

A Complete Bibliography of Publications in *Annals of Statistics (2020–2029)*

Nelson H. F. Beebe
University of Utah
Department of Mathematics, 110 LCB
155 S 1400 E RM 233
Salt Lake City, UT 84112-0090
USA

Tel: +1 801 581 5254

FAX: +1 801 581 4148

E-mail: beebe@math.utah.edu, beebe@acm.org,
beebe@computer.org (Internet)

WWW URL: <https://www.math.utah.edu/~beebe/>

14 October 2024

Version 1.10

Title word cross-reference

β [CHK⁺24]. D [BMY20, HdBCAM21]. ℓ_1 [Hua20, LS22b]. $\ell_{2,\infty}$ [CLC⁺21a].
 ℓ_p [AFW22, WSB⁺23]. F [PLD21]. k [CGZ22b, KKZ21]. L^2 [Sta24]. M
[GLN20, LY20, RW20b]. n [Ché24, SHSS⁺21]. p [BCL⁺23, Ché24]. S
[LGRG23]. t [HL24]. U [BDH24, BKS21, HXWP21]. X [NCDK24].

-boosting [Sta24]. **-estimation** [LGRG23]. **-estimator** [GLN20].
-estimators [LY20, RW20b]. **-means** [KKZ21]. **-model** [CHK⁺24]. **-norma**
[LS22b]. **-optimal** [BMY20]. **-penalized** [Hua20]. **-regularized** [WSB⁺23].
-statistic [BKS21]. **-statistics** [HL24, BDH24, HXWP21]. **-tests** [PLD21].
-values [BCL⁺23].

2876 [BGvZ21]. **2D** [NT24]. **2D-Navier** [NT24].

40 [BGvZ21].

acceleration [SF24]. **acceptance** [STG21]. **accuracies** [JS22]. **accuracy** [Goo22, KR24, KRSW21, Zhi20]. **across** [HT23]. **action** [WQW23].
activation [Kut20, SH20a, SHV24]. **acyclic** [RERS23]. **adaptable** [LAP⁺20]. **Adaptation** [FGKS21, AC24, CW22a, CW22b, PS22]. **Adaptive** [ALMM22, BBNW20, BNX22, CG21b, CCNT21, DW23a, GLCS20, HS21a, MLMR24, OL24, RCS21, SvZ20, AWS22, BR24, CW21, CW22a, CP22a, CKP24, DP21, FGS21b, LH23, MM21, PHL20, RCSN22, TSY20, WGS⁺22].
Adaptively [BNR23]. **adaptivity** [CCZ24, JKL21]. **addition** [SM23].
Additive [JP20, JPV21, CP22a, GMW21, LPMP24]. **Adjusted** [ZA23, ZWH⁺20, ZGV22]. **admissibility** [DLY22, Str21]. **Admissible** [MS20, VWW22, DR21a, GHS21]. **adversarial** [BJ23, HJ24, JS22, TY23].
advisor [vdGK21]. **Affine** [DP22]. **Affine-equivariant** [DP22]. **after** [Tia20]. **alarm** [Pol21]. **Algorithm** [ZCW22, CP22a, FGS21b, GZ22b].
algorithmic [ZJ23]. **algorithms** [BB21, BV20, BGL⁺20, CKP24, DC23, Fan22, SWJ21, STG21, SL23].
alignment [DFZ24]. **All-in-one** [DM22]. **Almost** [Cox20]. **alpha** [DDP21].
alpha-divergence [DDP21]. **alternatives** [PS20]. **AMP** [CFM23].
analyses [CCF21]. **Analysis** [JMM20, NLS21, SWJ21, AFWZ20, BSS20, BW23, CZ21, CLP21a, CvdP21, Cho20, DKA20, Dob20, HJ24, JS22, LPYZ24, PV20b, RSH20, RW20b, SO23, SHSS⁺21, SLY22, SWZ22, WSB⁺23, ZC23, vDD24]. **Analytical** [LW20].
ancestral [Ger24]. **Ann** [BGvZ21]. **anytime** [POLdHG24]. **anytime-valid** [POLdHG24]. **application** [AR21, ALPW22, BCPW23, HYF23, KJJS20, KJJS22, LUZ21, LLM20, RY21, SG20, SMZ22]. **applications** [BZ21, BBNW20, BBSMW22, CBS20, CMW23, CP21a, CC23, CM22b, DZ23, EJ20, EB22, GSS22, HW21a, HLS22, LEV21, LWL21, LPYZ24, OL24, VW21, ZCW22]. **approach** [BDH21, CZ21, Che22, DP21, DM23, DW23b, GKM21, HdBCAM21, PV20b, WWZ⁺24]. **approaches** [NCDK24]. **Approximate** [KYZ21, SS22, BJ22, JSLH23, MV21, Fan22]. **approximation** [Che21, DDJ24, DZ20a, Goo22, KR24, Kol22, Lop22]. **approximations** [AR20, CCKK22, DZ23]. **arbitrary** [VWW22]. **Archimax** [CFN20].
ARFIMA [HCCI22]. **armed** [CP22a, CCL24, Cha20]. **array** [CT22].
array-based [CT22]. **arrays** [DDG21, HLS22, PWLL21, SM23]. **aspect** [MW24]. **Assessment** [KS20, CFNP21]. **asset** [BCPW23]. **Assigning** [KPST23]. **assimilation** [NT24]. **assisted** [BGL⁺20, CJN24, DQW20, Tan20]. **associated** [LZ22a]. **association** [HLM23]. **assumption** [BNR23, FGRS22]. **assumptions** [BG21, HJ20, vDD24]. **asymmetrically** [CCF21]. **Asymmetry** [CCF21].
Asymptotic [BB21, Bha20, CVFL22, DDJ24, DR21b, GFLS21, Goo22, Hua20, HS21b, KJJS20, LHY20, QLY23, RS20b, SW07, SWZ22, ZZZP22, KLR⁺20, KZ21, LEV21, LS22b, SWFD21, KJJS22, ZSW22].
Asymptotically [HXWP21, FY23, KB22, Pol21]. **Asymptotics** [CM21, DZ24, HSS22, Han23, Li22, LW22, LSW21, YZZ22]. **Augmented** [HW21b]. **autocovariance** [BS23a]. **autoregression** [AF23].

autoregressions [CM21]. **autoregressive** [GKM21, WT23, DZ23].
auxiliary [CCZ22]. **Average** [SAH21, LL22, LQW⁺22, PMM⁺20, YNB⁺22].
average-case [PMM⁺20]. **Averages** [KLR⁺20]. **averaging**
[CL24, DS21, KBW20].

Backfitting [GHO22]. **backward** [DC23, LSV20]. **balancing** [WQW23].
balls [HJWW20, MM21]. **Banach** [DKA20]. **bandable** [LR20b]. **bandit**
[Cha20]. **bandits** [CP22a, CCL24]. **bands** [DW23b, PLD21]. **barriers**
[CM22a, SW22]. **based** [ALMM22, Bha20, BDH21, BP24, CFF20, Cha22b,
CT22, DDP21, Dob22, GKM21, LEV21, LY20, LS22a, LSC⁺24, MPW23,
OQC22, PSD24, RGvdL22, ZD22, ZZZ24, ZXZL24, ZZYS20, ZS20]. **basis**
[BCCP23]. **Batch** [LQW⁺22]. **batching** [HL24]. **Bayes** [ADXR20, BB20,
BG20, CR20, DR21a, GvdVZ20, HKSW21, MS20, MJ22, OL24]. **Bayes-like**
[BB20]. **Bayesian**
[AC24, AD22, BSS20, CvdP21, CR21, CLP21b, DRR20, GKM21, GR22, Kle21,
Li22, MNP21, PR22, RvdV20, RSH20, RvdP20, RS20b, RS24, WG23, ZC23].
Beginning [EG21]. **behavior** [KLR⁺20]. **benefits** [KM21a]. **Berry** [Zhi20].
best [WWM20]. **Betti** [RKP23]. **between**
[BB21, CGK22, DDB20, HLM23, ZXZL24]. **Beyond**
[AL21, DZ20a, PS20, BCRT23, CC23]. **Bias** [KZ21, DSH23]. **bias-variance**
[DSH23]. **binary** [CJLZ24, FNZ22, LUZ21]. **binomial** [SHSS⁺21].
biomarker [HS22]. **bit** [DMR22]. **bivariate** [Efr22, MPW20]. **block**
[BZ23b, HZ20, KW22, XJL20, ZLN22, ZA23, ZVB21, SPY20]. **blocks**
[ZVB21]. **blockwise** [YKN24, ZZZ24]. **Board** [Ano23a, Ano23b, Ano23c,
Ano23d, Ano23e, Ano23f, Ano24a, Ano24b, Ano24c, Ano24d]. **Boosted**
[LCI21]. **boosting** [LS22b, Sta24]. **Bootstrap** [CJN24, DZ20a, Hid21, Kol22,
LY20, CZ20, CCKK22, HL20, IM21, Lop22, MPK20, ZP22, Zhi20].
Bootstrap-assisted [CJN24]. **Bootstrapping** [LLM20, RKP23, BDH24].
boundary [ACR24, EB22, RSH20, SM20]. **bounded** [CG21b]. **Bounds**
[YNB⁺22, BNR20, DSH23, GLCS20, JSLH23, KR20, OQC22, OvdG21,
RW20a]. **breaker** [LO23]. **Breaking** [MWW23]. **breaks** [LLS24]. **Bregman**
[BFL21, SWJ21]. **bridge** [WWM20]. **Bridging** [CFMY21, DDB20, FMM23].
broad [CT22]. **bulk** [FSW21].

calculations [BBSMW22]. **calibrated** [Tan20]. **Calibration** [VW21, FL22].
can [LR20a]. **Canonical** [AV23, SF22, SS20]. **Carlo**
[AL21, DMS20, FT23, HBDD20, KJJS20, KJJS22, MMS23]. **CART**
[CR21, CC23]. **Carving** [Pan23]. **case** [PMM⁺20]. **Causal**
[GMPE21, BFPM21, Ger24, IM21, KS20, KBG20, KBRW24, RvdV20, ZD22].
censored [DQW20, Efr22, HPTZ22, TYZ20]. **censoring** [Efr21]. **Central**
[LWL21, Lop22, CCKK22, LPYZ24]. **chain** [BS23a]. **chains**
[ALPW22, DDB20, Kol22, SPY20]. **Change**
[SF24, XWZY24, CNYY21, DM20, FLS20, HKTY24, HKW21, LGS21,
VFLRB23, WYR21, WZVS22, ZWL20]. **Change-point**

[XWZY24, CNY21, DM20, FLS20, HKTY24, VFLRB23]. **change-points** [ZWL20]. **changing** [Dre23]. **characteristic** [TCPS23]. **Characterization** [Ger24, KLR⁺20, LO23]. **Characterizing** [BKRS23]. **Charles** [EG21, Str21]. **charts** [Pol21]. **chi** [ZA23]. **chi-square** [ZA23]. **choice** [MBR21]. **Cholesky** [LR20b]. **Choosing** [CGK22]. **class** [BSS20, CT22, GX20, WZL22]. **classes** [ZC23]. **Classification** [KRSW21, CW21, CBS20, HS22, JS22, SBC24]. **classifier** [CW21]. **classifiers** [LS22b]. **classifying** [KBG20]. **closed** [GHS21]. **closure** [FRB24]. **CLT** [LHBS23, SMZ22]. **cluster** [Leu22]. **cluster-randomized** [Leu22]. **Clustering** [SPY20, AFW22, AR21, ADXR20, BBNW20, BFL21, BGL⁺20, GM22, KKZ21, LZZ21, LZ22b]. **co** [BJ22]. **co-sufficient** [BJ22]. **coefficients** [GW22]. **Cointegration** [BG22]. **columns** [MWY23]. **combination** [HS22, VW21]. **Combinatorial** [ZL24, MW22, WWZ⁺24]. **communication** [DH24, SvZ20, SVvZ23]. **Community** [JLLX21, YQ21, CLM22, PC20, XJL20, YLFS22, ZZ20]. **compact** [KB22]. **compare** [DK22]. **Comparison** [ALPW22]. **comparisons** [CGZ22a, MW22, PMM⁺20]. **compatibility** [BS23c]. **complementary** [GW22]. **Completely** [BS23c]. **completion** [WP22, XYZ21]. **Complex** [HW21a]. **Complexity** [ZC23, DR24, DH24, LSC⁺24, MMS23, MN20, YZZ22, ZGMS24]. **compilers** [KBG20]. **component** [Nda22, PRV20, SO23]. **components** [BDWW22, DY21, FSW21, KLN20, KM21b, MK21a]. **compound** [RSH20]. **computation** [OL24, PS22]. **Computational** [HMR23, SW22, SS22, CW20, DH24, HWZ22, LZ22b, LX23, ZZ20]. **computationally** [XYZ21]. **concave** [FGKS21, HS21b]. **Concentration** [AR20, AR21, SS20, PV20a, RvdP20]. **Concordance** [SSL21]. **Conditional** [FT23, FL22, SL23, AC21, BJ22, BFR23, CPH23, GSUC21, HHPS20, KNBW22, LSV20, LS22a, NBW21, NCDK24, SP20, YNB⁺22]. **conditioning** [HJ20]. **conditions** [KB22, Lah21, LY20, RCSN22]. **Confidence** [DHZ21, EB22, BPS20, BNR20, DW23b, FLS20, HRMS21, LY20, PLD21]. **Conformal** [BCRT23, BCL⁺23]. **confounders** [Ger24]. **confounding** [GĆB22, YNB⁺22]. **conjunctions** [KS20]. **connected** [KL21]. **connections** [BS23c]. **connectivity** [YQ21]. **consequences** [KMW20]. **Consistency** [Dob22, GS22, PR22, AY23, GKM21, HKSW21, JT21, Lah21, NT24, SS20]. **Consistent** [BCCG21, EJ20, HCCI22, Nic24, ZWL20, DHS20, LSWMC24, PC20, SHDH22]. **constancy** [SWFD21]. **constant** [DDB20, GHZ20]. **constrained** [BS23a, HS22, RW20b, dÁLM21]. **constraints** [HSS22, Han23, PTW21, RS20a, SvZ20, SVvZ23, XS21]. **Construction** [PWLL21, HLS22]. **Contents** [Ano23g, Ano23h, Ano23i, Ano23j, Ano23k, Ano23l, Ano24e, Ano24f, Ano24g, Ano24h]. **contextual** [CCL24]. **Continuous** [RGvdL22, DKA20, DWW⁺24, SO23]. **Continuous-time** [RGvdL22, SO23]. **continuum** [CP22a]. **continuum-armed** [CP22a]. **contributions** [FS21, Str21]. **control** [CCZ22, FLS20, FL22, MM21, Pol21, RV22, ZL24]. **Controlled** [HBDD20].

Controlling [SXF24, GHS21]. **Convergence** [CCK24, LPYZ24, WN22, XYY20, ZG20, ZW21, BB21, BE22, CWZ21, CW22b, CFM23, CPT23, CM22b, DHK⁺20, HS21b, KL21, RS20a, RS24]. **convex** [BZ23a, CZ21, CCZ24, CM22a, CFMY21, HSS22, Han23, LZ22a, PTW21]. **convexity** [CFM23, Cox20, JMM20]. **copula** [GKV⁺22, ZGV22]. **copulas** [BP24, CFN20, ES21]. **corrected** [ZA23]. **Correction** [BGvZ21, FZ21, LBvdL21, SHV24, ZSW22]. **correlated** [DD23, DGR23]. **correlation** [GFLS21, HY22, LWL21, XY20]. **correlation-free** [XY20]. **correlations** [DHS20]. **corroboration** [KS20]. **cost** [CWZ21, CW22b]. **count** [CL22]. **Coupled** [LSV20]. **coupling** [JLL21]. **Covariance** [DMR22, AMR20, BD20, BDWW22, BSS20, CHP20, CP22b, CQZ23, Ché24, DY21, DZ24, DKH21, GLN20, HW20, LW20, LHY20, Li22, LHBS23, LSW21, LGRG23, MZ20, Mou22, QLY23, RW23, SP20, WP22, XYY20, ZW21, ZZZPZ22]. **covariate** [KM21a, LH23, MPW23, WL22]. **covariate-adaptive** [LH23]. **covariate-shift** [KM21a]. **covariates** [LCI21, LH23, WL22]. **Coverage** [CG21a, WG23, HL24, RS20b]. **Cox** [ZMW22]. **Cramér** [GSS22]. **Cramér-type** [GSS22]. **credible** [CG21a, RS20b, WG23]. **criteria** [CT22, SSL21]. **criterion** [BDSW22]. **criticism** [DK22]. **cross** [CC23, CLC21b, FJLX22]. **cross-sectional** [FJLX22]. **cross-validated** [CLC21b]. **cross-validation** [CC23]. **crossed** [GHO22]. **CrowdSourcing** [PCV23]. **cryo** [FLS⁺24]. **cryo-EM** [FLS⁺24]. **Cube** [BE22]. **cure** [BEPV22, PV20b]. **current** [Efr21]. **curse** [HJ24, MWW23]. **curved** [SS20]. **curves** [PLD21, TCPS23]. **cycles** [BFPM21].

DAG [ZC23]. **data** [CLC⁺21a, CP21a, CPT23, CFMY21, CP21b, Che22, CL22, DSUC23, DKA20, DQW20, DM23, ES21, EH23, FWZ21, FNL20, FJLX22, HS21a, KL20, LS22a, LM21a, LLM20, MWY23, MP23, MK21b, NT24, RW23, RCSN22, SBC24, SLY22, Tan20, TYZ20, WZVS22, WZL22, YCF24, YSK21, ZWH⁺20, ZZZ24, dRdCMP21]. **data-adaptive** [RCSN22]. **dataset** [QTD24]. **datasets** [Cha22a]. **debias** [XZZ22]. **Debiased** [YSK21, GCB22]. **Debiasing** [BZ23a, ZP22]. **decay** [LLM20]. **decision** [AO22a, CG21b, HW23, LQW⁺22, SSL21, YZZ22]. **decomposition** [JLLX21]. **Deconvolution** [GLL22, BG21, RS24]. **Deep** [CJQY24, JSLH23, ZMW22, FGZ24, KL21, Kut20, SH20a, SHV24]. **degree** [SW22, ZA23]. **degree-corrected** [ZA23]. **delayed** [STG21]. **delayed-acceptance** [STG21]. **denoised** [WY20]. **denoising** [BDW21, CC23, FGS21a, GLCS20, SG20]. **dense** [XM23]. **densities** [KK20, NWB22, SG20]. **Density** [BG21, BE22, BFR23, Efr22, FGKS21, HT23, MJ22, PLD21, RCSN22, XS21, ZW21]. **dependence** [AC21, CLP21b, Dre23, EFdH⁺22, FL22, LEV21, SWFD21, Vel22, VWW22, XWZY24, ZZYS20]. **dependencies** [BDH24]. **dependent** [CLP21a, DSUC23, GSS22, Ing20, LCI21, Pol21, YQ21, ZLN22, dRdCMP21]. **derivatives** [LL22]. **descent** [CLTZ20, DDP21, DDB20, ZS22]. **Design**

[DLY22, HLS22, LFR21, PMM⁺20, SGWH20, ZD22]. **design-based** [ZD22]. **Designs** [JPV20, BMY20, CMW23, CT22, HW21a, KYZ21, Leu22, LO23, TX21, WM21]. **Detecting** [WGS⁺22]. **Detection** [LLS24, BM22, Bha20, CW20, CLM22, DM20, EKJ20, HKTY24, JLLX21, LGS21, MLMR24, PC20, SF24, VFLRB23, WYR21, YQ21, ZZ20]. **deviation** [ERV20, GSS22]. **deviations** [BDH21, vDD24]. **difference** [Cha22b, SMZ22]. **difference-based** [Cha22b]. **differences** [DK22]. **differentiable** [LC24]. **differential** [CWZ21, CGC20, LBY23, PSD24, RS20a]. **Differentially** [AMBL23, BRS23, CHK⁺24, LTMC24]. **diffusions** [AWS22, BR24, GR22, NR20, Nic24]. **Dimension** [LS22a, CJQY24, DQW20, FGRS22, FNZ22, GMMM21, HdBCAM21, HS21a, KLYL20, LL22, ZZYS20]. **dimensional** [BDP23, BZ21, BCPW23, BV20, BW23, BFZ22, BJZ24, CZ21, CS20, CM22a, CP21a, CQZ23, CVFL22, DDP21, DZ20b, DQW20, DM23, DZ24, DWYZ23, DFZ24, DHS20, FWZ21, FLY23, FNL20, FJLX22, GZ22a, GFLS21, GW22, GLP20, GMW21, GĆB22, HW20, HSS22, HMRT22, HXWP21, Ing20, JZLM23, JO20, Kol22, LW20, LPMP24, LWL21, LLS24, LS22b, LGS21, LHBS23, NR20, SF22, Sta24, SVvZ23, Tan20, WS20, WZVS22, WT23, XS21, XWZY24, XY20, ZW21, ZC23, ZXZL24]. **dimensions** [BDH24, BP24, CCKK22, CLC21b, FT23, Han21, HS23, Lah21, LLHL21, LLM20, Lop22, MBR21, ZZZ24]. **diminishing** [WL22]. **directed** [RERS23]. **directions** [PRV20]. **disclosure** [CFNP21]. **discovery** [CCZ22, FL22, GLP20, GMPE21, GHS21, KR20, MLMR24, RV22, SXF24, ZL24]. **discrete** [GZ22b, HMR23, MBR21, SO23]. **discrete-time** [SO23]. **discriminant** [BW23, CZ21]. **discriminators** [MBR21]. **Discussion** [Kut20]. **disjoint** [BZ23b]. **Dispersal** [HT23]. **displacement** [JMM20]. **Distance** [ZZYS20, BBSMW22, CLP21b, DCM24, ERV20, GFLS21, NWB22]. **Distance-based** [ZZYS20]. **distances** [ZGMS24]. **Distributed** [CW22a, CW22b, CP21b, CJLZ24, DS21, LTMC24, SvZ20, SVvZ23]. **Distribution** [HdBCAM21, XY20, BDW21, BG21, BB21, BSS20, Bha20, DW23b, Efr21, GLL22, HZ20, LHY20, MM21, Mur21, RV22, SHDH22, TY23, XYY20]. **distribution-free** [SHDH22]. **distributionally** [DN21]. **distributions** [AO22b, AV23, BBSMW22, GFLS21, HY22, HKW21, KKZ21, Lei21, MS20, PR22, PHL20, ZG20]. **divergence** [DDP21]. **divergent** [CHP20]. **diverging** [LHBS23, MW24, TYZ20, WL22]. **do** [FGZ24]. **document** [BBSMW22]. **documents** [KPST23]. **domain** [AvD20, Hid21, Li22, LSW21, MPK20, RY21, YKN24]. **Donoho** [BKRS23]. **Double** [DQW20]. **Double-slicing** [DQW20]. **Doubly** [GĆB22, DWW⁺24, NCDK24]. **drift** [AWS22, CGC20, NR20]. **driven** [CHHW21, LLSS21]. **duality** [ZGMS24]. **dyadic** [CC23]. **dynamic** [BJZ24, DZ24, LSWMC24, OQC22, WYR21]. **dynamical** [MN20].

E-statistics [POLdHG24]. **E-values** [VW21]. **Early** [Sta24]. **Edge** [CHK⁺24, SXF24]. **edges** [AMR20]. **Edgeworth** [HL24, KK20, ZX22, Zhi22].

Edgeworth-type [Zhi22]. **Editorial** [Ano23a, Ano23b, Ano23c, Ano23d, Ano23e, Ano23f, Ano24a, Ano24b, Ano24c, Ano24d]. **effect** [CDRV21, DWW⁺24, JPV20, KBRW24, LW22, MH22, SM23, YNB⁺22]. **effects** [BJZ24, GHO22, KBG20, KYZ21, SAH21, Tan20]. **Efficiency** [FY23, STG21, KZ21]. **Efficient** [BS23a, BS23b, HLM23, KLN20, LPMP24, QTD24, vdVW21, Cha20, XYZ21]. **Eigenvalue** [CCF21, CHP20, QLY23]. **eigenvalues** [CHP20, HY22, LHY20, ZZPZ22]. **eigenvector** [AFWZ20, CCF21, XYY20]. **elaborate** [KS20]. **elbows** [BRS23]. **elicitability** [FZ16, FZ21]. **ellipsoids** [ZS22]. **Empirical** [BG20, DDG21, ES21, MN20, BE22, BFR23, BEV20, BP24, CR20, CLvdG22, Han21, TYZ20, XYY20, YKN24]. **energy** [CFM23]. **enrichment** [LFR21]. **entire** [FGS21a]. **entries** [XYZ21]. **Entropic** [ZGMS24, BB21, BNR23]. **entropy** [BFR23, HJWW20]. **Entrywise** [AFWZ20]. **enumerator** [TX21]. **Envelope** [ZS20]. **Envelope-based** [ZS20]. **equations** [CGC20, NT24, PSD24, TYZ20]. **equivalence** [GM22, MH20, ZC23]. **equivariant** [DP22, MS20]. **ergodic** [BR24]. **ergodicity** [DMS20]. **Erratum** [Ché24, KJJS22]. **error** [GZ22a, JZLM23, JSLH23, OQC22, RW20a, Tia20]. **errors** [BG21, HL24, JPV22, KP22]. **Esseen** [Zhi20]. **estimate** [CS20]. **estimates** [KL21, MJ21, ZW21]. **Estimating** [CDRV21, GZ22a, MK21a, BGvZ12, BGvZ21, JPV20, RCSN22, TYZ20]. **Estimation** [CCZ24, DZ20c, DK21, KZ21, Kol22, KM21b, MP23, MV21, PCV23, TCPS23, Vel22, ABL23, AWS22, ATW24, BCCP23, BDP23, BB20, BZ23a, BS23b, BDM22, BFR23, BBNW20, BNX22, BBSMW22, BCCG21, BRS23, CWZ21, CLC⁺21a, CW22a, CW22b, CKP24, CNY21, CHK⁺24, CG21b, CJLZ24, CL24, Ché24, CL22, CCNT21, CGC20, DL22, DZ24, DMR22, DRR20, DWYZ23, DFZ24, DR24, Efr21, Efr22, EJ20, FLS⁺24, FLS20, FGKS21, FNZ22, GHZ20, GM20, GSUC21, GLN20, Goo22, HJWW20, HWZ22, HPTZ22, HW21b, HT23, Hop20, HLM23, HR21, KBRW24, KLN20, KP22, LN22, LEV21, LW22, LLS24, LR20b, LSW21, LGRG23, LC24, LM21b, LX23, MBNWW24, MPW20, MS20, MZ20, MW24, MK21b, NWB22, OW21, PMM⁺20, PSD24, QTD24, RY21, RGvdL22, SW22, SH20b, SGWH20, Tan20, TSY20, TY23, TV24, WT23]. **estimation** [WY20, XJL20, XS21, vdVW21]. **estimator** [DM22, GLN20, Hua20, MWW23, SG20, WWM20, YSK21, ZS22]. **estimators** [BZ23a, BE22, BDH21, CFF20, CJN24, Cha22b, FY23, HZ20, HS23, HS21b, LY20, MMS23, RW20b, SMZ22, ZZZ24]. **Euclidean** [CP21a, JPV21]. **Euler** [TCPS23]. **evaluation** [HW23]. **events** [EFdH⁺22]. **Evidence** [ZLSK22, KS20]. **Exact** [BV20, DGR23, Han23, Mou22, KYZ21]. **exchangeability** [BCRT23]. **exchangeable** [DDG21, WN22]. **Existence** [DKH21, CS20]. **expansion** [BCCP23, KK20]. **expansions** [HL24, ZX22, Zhi22]. **expected** [AFWZ20, TCPS23]. **expectile** [GSUC21]. **experiments** [DLY22, LH23, ZD22]. **Exploration** [DCM24]. **exponential** [KMW20, LUZ21, LZ22a, SS20]. **exponential-family** [SS20]. **extended** [DR21a, HS21b]. **Extending** [MPK20]. **extension** [BEPV22]. **extensions**

[FGS21a]. **extent** [KS20]. **extraction** [CP21a]. **extrema** [CM22b].
extremal [DSUC23]. **Extreme** [EH23, GSUC21, Dre23, EFdH⁺22, LHY20].
extremes [LEV21, REZ23, ZVB21].

Factor [LLSS21, BBNW20, BW23, CL24, Dob20, FMM23, HKTY24, LR20b].
Factor-driven [LLSS21]. **factorial** [TX21]. **factorization** [PC20]. **factors**
[KS20, YNB⁺22, ZLSK22]. **fair** [AO22a]. **fairness** [CS22]. **False** [FLS20,
RV22, BNR20, CCZ22, FL22, GHS21, KR20, MLMR24, Pol21, SXF24, ZL24].
families [BNR20, KMW20, LUZ21, LZ22a]. **family** [SS20]. **far** [AD22].
feasible [Cha22a]. **feature** [CP21a]. **features** [HJ24]. **field** [ZZ20]. **fields**
[KB22, LSW21, NR20, TCPS23]. **filling** [CT22]. **filter** [LSV20]. **filtering**
[CC23, GLCS20, WGS⁺22]. **filters** [CSSV22]. **Finding** [LSWMC24]. **Finetti**
[WN22]. **Finite** [MMS23, AD22, KM21b, MK21a, Zhi22]. **Finite-sample**
[MMS23]. **Fisher** [YWR24, DR24, LSWMC24]. **fit** [BJ22]. **fixed**
[Li22, LSW21]. **fixed-domain** [Li22, LSW21]. **flat** [BATU23]. **flats** [WM21].
flexible [CCK24, HLS22]. **flow** [YWR24]. **forests**
[CVFL22, MGS20, RvdP20]. **formal** [KK20]. **forms** [QTD24]. **Foundations**
[BFP21]. **fourth** [BDM22]. **fourth-moment** [BDM22]. **fractional**
[DK21, MP23, TX21]. **Frame** [dÁLM21]. **Frame-constrained** [dÁLM21].
framework [Cha22b, CC23, CS22, GvdVZ20, HWZ22, PHL20, vDD24].
Fréchet [BM23, CM22b, DM20, LL22, LM21a, MH22, PLD21]. **free**
[CFM23, FLY23, HK22, KBB⁺20, Pan23, SHDH22, XY20]. **frequency**
[AvD20, Cho20, DK22, Hid21, MPK20, MP23, Nic24, RY21, RW23, SWZ22,
YKN24]. **Frequentist** [Kle21, RS20b, RS24]. **full** [CGZ22a]. **fully**
[KL21, SHDH22]. **function** [BCCP23, BGvZ12, BGvZ21, CW22b, CCK24,
Kut20, SH20a, SHV24, SH20b, vDD24]. **function-valued** [vDD24].
Functional [DKA20, LL22, AvD20, BS23b, BRS23, CKP24, CM21, ES21,
KL20, LPMP24, LS22a, LLS24, LLM20, SLY22]. **functionals**
[KLN20, KZ21, Kol22]. **functions** [AMR20, CCZ24, CG21b, DKA20, DW23b,
GH21, HdBCAM21, LSW21, WC20]. **Fundamental**
[CM22a, EKJ20, MW24]. **Fuse** [MK21a]. **fusion** [WWZ⁺24].

GANS [BCST20]. **gap** [DDB20]. **Garza** [DLY22]. **Gaussian**
[BATU23, CW22a, CMW23, DM22, DZ20a, DL22, DWYZ23, FGRS22,
GIKM22, HSS22, Hop20, JT21, KR24, Kol22, Li22, LZZ21, LSW21, LX23,
MNP21, Mur21, Nda22, NT24, RY21, SG20, WY20, YWR24, ZLN22].
Gaussian-subordinated [ZLN22]. **genealogies** [KJJS20, KJJS22].
General [Cha22a, BG21, CMW23, Cha22b, FSW21, GvdVZ20, GSS22,
Han21, LO23, MWY23, MPK20, PV20b, QLY23, QTD24, TYZ20, vDD24].
generalised [SP20]. **Generalization** [OQC22, HJ24, LAP⁺20, MZ22].
generalize [LR20a]. **Generalized**
[ZJS22, ALS23, CJN24, FGS21b, HWZ22, LHY20, SWJ21, TYZ20].
generalizing [KBG20]. **genetic** [ZZZ24]. **Geometric**
[KLR⁺20, Bha20, CP21a, DMS20]. **Geometrizing** [RS20a]. **geometry**

[Eva20]. **Gibbs** [BCCP23, SM20]. **Global** [CLM22, CPT23, Cox20, Han21].
go [NLS21]. **goodness** [BJ22]. **goodness-of-fit** [BJ22]. **gradient**
[CLTZ20, DDP21, DDB20, YWR24, ZS22]. **gradient-based** [DDP21].
gradually [BDH21]. **gram** [LPYZ24]. **graph** [Lei21, LW22]. **Graphical**
[BR23, Che22, LZ22a]. **graphons** [ALS23]. **graphs**
[AMR20, Bha20, BCCG21, Che22, DZ20b, DD23, Ger24, GGCvL20, MH20,
RERS23, SS20, XM23]. **greater** [Ché24]. **Grenander** [CJN24].
Grenander-type [CJN24]. **GRID** [GLP20]. **Gromov** [ZGMS24]. **group**
[BMNT23, FLS⁺24, POLdHG24, MK21a]. **Grouped** [HMR23]. **Groups**
[MW22, AO22b, JPV22]. **growing** [MBR21]. **guarantee** [MLMR24].
guarantees [CLC⁺21a, CPT23, MNP21, ZZ20, Zhi22].

Half [BDSW22]. **Half-trek** [BDSW22]. **Hamiltonian** [DMS20]. **hardness**
[SP20]. **Hardy** [FGS21a]. **Hawkes** [CL22, DRR20]. **hazards**
[CLP21a, LCI21]. **HC** [PS20]. **Heavy**
[AC24, BCCG21, DSUC23, FWZ21, GSUC21, GMPE21, HY22, KP22].
Heavy-tailed
[AC24, BCCG21, DSUC23, FWZ21, GSUC21, GMPE21, HY22, KP22]. **helps**
[CW22a, CCF21]. **heterogeneous** [EH23, KBRW24]. **heteroscedastic**
[GSUC21, KP22]. **Heteroskedastic** [ZCW22, YCF24]. **hidden**
[BNX22, GCB22]. **hierarchically** [CLP21a]. **hierarchy** [AO22a]. **High**
[BCPW23, BJZ24, Cho20, DZ24, DHS20, FWZ21, GCB22, HSS22, XS21,
BDP23, BDH24, BZ21, BV20, BW23, BFZ22, BP24, CZ21, CS20, CM22a,
CP21a, CQZ23, CCKK22, CLC21b, CVFL22, DQW20, DM23, DWYZ23,
DFZ24, FLY23, FLS⁺24, FNL20, FGRS22, FJLX22, FNZ22, FT23, GZ22a,
GFLS21, GW22, GMMM21, GLP20, GMW21, HW20, Han23, HS23,
HMRT22, HXWP21, Ing20, JZLM23, JO20, KR20, Kol22, Lah21, LPMP24,
LLS24, LS22b, LLHL21, LGS21, LLM20, Lop22, MP23, PV20a, PWLL21,
RW23, SF22, Sta24, SVvZ23, Tan20, WS20, WZVS22, WT23, XWZY24,
XY20, ZW21, ZZZ24, ZC23, ZXZL24, ZZYS20]. **High-dimensional**
[BCPW23, BJZ24, DZ24, DHS20, FWZ21, GCB22, HSS22, XS21, BDP23,
BZ21, BV20, BW23, BFZ22, CZ21, CS20, CM22a, CP21a, CQZ23, CVFL22,
DQW20, DM23, DWYZ23, DFZ24, FLY23, FNL20, FJLX22, GZ22a, GFLS21,
GW22, GMW21, HMRT22, HXWP21, Ing20, JZLM23, JO20, Kol22,
LPMP24, LLS24, LS22b, LGS21, SF22, Sta24, SVvZ23, Tan20, WS20,
WZVS22, WT23, XWZY24, XY20, ZW21, ZC23, ZXZL24]. **High-frequency**
[Cho20, MP23, RW23]. **high-noise** [FLS⁺24]. **high-probability** [KR20].
Higher [DK22, FZ16, HL24, OvdG21, FZ21]. **Higher-order** [HL24].
Hilbert [LC24]. **Hilbert-valued** [LC24]. **Hilbertian** [JP20]. **hoc** [BNR20].
homogeneity [WWZ⁺24]. **Hotelling** [LAP⁺20]. **HSIC** [ALMM22]. **Hunt**
[EG21]. **Hurst** [SH20b]. **hypergraphs** [YLFS22]. **hypersphere** [KP23].
Hypothesis [JZLM23, WS20, AV23, CMW23, FZP20, GGCvL20, KS20].

i.i.d [BNR23, CGC20]. **Identifiability** [ADXR20, BDSW22, GX20, PRV20].

ignorability [HW23]. **image** [SM20]. **imbalance** [WL22]. **impact** [FGZ24].
impacts [LH23]. **importance** [DP21]. **Improved** [CCKK22, Ché24].
imputed [Cha22a]. **incomplete** [CLC⁺21a]. **independence**
 [ALMM22, BJ22, BKS21, BP24, CPH23, DHS20, FJLX22, KNBW22, LEV21,
 MH20, NBW21, NCDK24, SP20, SHDH22, ZPZ22, ZXZL24]. **independent**
 [DZ20a, HXWP21, MWY23, Pol21, SO23]. **index** [BM23]. **indices** [ZXZL24].
individualized [CLM22, FNZ22]. **inequalities** [ALPW22, Zhi20]. **Inference**
 [CFN20, CHLZ23, DSUC23, HHPS20, LFR21, PV20a, RW23, WZVS22,
 XZZ22, XM23, YCF24, AMBL23, BDWW22, BCS20, BCRT21, BZ21, BS23a,
 BJZ24, BEV20, CCZ24, CJN24, CZ20, CLTZ20, CP21b, CJLZ24, CHHW21,
 CHL⁺24, DZ20c, DZ23, Dre23, DCM24, DK21, DP22, EH23, GFLS21, GH21,
 GR22, GMW21, GCB22, HYF23, HPTZ22, KR24, KLYL20, KW22, KBB⁺20,
 LPYZ24, LBvdL21, NR20, Nic24, PR22, PTW21, Pan23, RvdV20, SWZ22,
 SL23, SM20, Tan20, WC20, XWZY24, YKN24, ZZ20, ZWH⁺20, ZJ23, ZF24].
inferences [ZD22]. **Infinite** [DDP21]. **Infinite-dimensional** [DDP21].
infinity [AD22]. **information** [CCZ22, DR24, EB22, SSL21]. **informative**
 [CSSV22]. **inhomogeneous** [CLM22, GGCvL20]. **instrumental** [ZLSK22].
instruments [KBG20]. **integral** [DM23]. **integrated** [GKV⁺22].
Integrative [PTW21]. **intensity** [SMZ22]. **interacting** [KJJS20, KJJS22].
interaction [BCCP23]. **Interactive** [BRS23, CW22a]. **interference**
 [JPV20, Leu22, LW22, SAH21]. **interpolate** [LR20a]. **interpolated** [LS22b].
interpolation [HMRT22, MZ22]. **interpolators** [CLvdG22]. **interval**
 [BZ23a]. **intervals** [BPS20, CG21a, DHZ21, WG23]. **intervention**
 [RGvdL22]. **intervention-specific** [RGvdL22]. **Intrinsic** [SLY22, HS21a].
invalid [ZLSK22]. **invariance** [Dob22, EG21, POLdHG24].
invariance-based [Dob22]. **invariant** [AO22b, Fan22, GIKM22]. **inverse**
 [Han23, LLHL21, MWW23, MNP21, YSK21]. **inverse-variance** [YSK21].
Irreducibility [DMS20]. **Ising** [BK20, GM20, XM23]. **Isotonic**
 [DZ20b, PS22, DHZ21, FGS21a, GHZ20, HZ20, MPW20, WG23]. **Isotropic**
 [AMR20, LSW21]. **Iterative** [GZ22b, CPT23].

jackknife [BCRT21]. **jittering** [CHK⁺24]. **Joint** [GM20, LHY20]. **Just**
 [LR20a].

Kendall [LWL21]. **Kernel** [LR20a, AR21, HSL24, LPMP24, SS22]. **kernels**
 [WP22]. **Kesten** [ALS23]. **knockoffs** [BCS20, HJ20, SJ22, WSB⁺23].
Krause [FGS21a]. **Kronecker** [DKH21].

labels [KM21a]. **LAGO** [NLS21]. **Large**
 [CFF20, KW22, BG22, CCZ22, DK22, GHO22, HTYZ20, HYF23, LW20,
 LHY20, LWL21, LR20b, LHBS23, ZPZ22]. **large-dimensional**
 [LW20, LHBS23]. **Large-scale** [KW22, HTYZ20]. **largest** [CHP20]. **Lasso**
 [CMW23, GCB22, CHHW21, KFG24, Lah21, CLC21b, LPMP24, MM21].
LASSO-driven [CHHW21]. **latent** [BDSW22, BCPW23, BW23, BFBM21,

Ger24, GX20, HKTY24, SS23, WN22, WZL22]. **latent-class** [WZL22]. **law** [EH23]. **laws** [CHP20]. **layer** [JMM20, PC20]. **layers** [GMMM21]. **lazy** [MZ22]. **learn** [NLS21]. **learn-as-you-go** [NLS21]. **learnable** [SS23]. **Learning** [ALS23, BK20, DM23, DN21, MW22, YWR24, ABL23, CW21, CCL24, CKP24, CBS20, DW23a, FS23, HS21a, HK22, LL20, LSC⁺24, LQW⁺22, NIS⁺21, OQC22, RCS21, SWJ21, WQW23, ZMW22, ZC23]. **least** [HMRT22, KP22, Mou22, OvdG21, ZS20]. **lengths** [Pol21]. **level** [BE22, RCSN22, WM21]. **libraries** [CCK24]. **Lie** [JPV22]. **lifetimes** [Efr22]. **like** [BB20]. **Likelihood** [BM22, BBSMW22, BEV20, BMNT23, CS20, EJ20, FLS⁺24, GH21, GKM21, Goo22, HSS22, RY21, SG20, TYZ20, YKN24]. **Limit** [AO22b, HZ20, KMW20, BATU23, BKRS23, CCKK22, HW21a, LWL21, LPYZ24, Lop22, LX23]. **Limiting** [CHP20, HY22]. **limits** [CW20, EKJ20, Kle21, LZ22b, MW24]. **Linear** [HS22, ATW24, BM22, BZ23a, BFZ22, DL22, DS21, FSW21, FGS21b, GZ22a, GvdVZ20, GW22, Han23, HW21b, HS21b, Ing20, KB22, KLN20, KBB⁺20, LWL21, LGRG23, Mou22, MBR21, SF22, Sta24, ZZPZ22, ZMW22]. **Linearized** [GMMM21]. **linearly** [DLS20]. **Lipschitz** [HJWW20]. **loadings** [CL24]. **Local** [BDP23, CBS20, CFM23, HTYZ20, KNBW22, CM22b, CPH23, Eva20, LBY23, MH20, RS20a, SXF24]. **localization** [VFLRB23, WYR21]. **Locally** [LZ22a, ZF24, BRS23, DR24, FY23, ZW21]. **locating** [CM22b]. **location** [BGvZ12, BGvZ21, DWYZ23, DP22, MS20, PV20a, SG20]. **log** [FGKS21]. **log-concave** [FGKS21]. **logistic** [BMY20, CS20, HTYZ20]. **long** [BDP23, Hid21, ZLN22]. **long-range** [ZLN22]. **long-run** [BDP23]. **longitudinal** [FNL20, SLY22, WZL22]. **loss** [LSWMC24, RGvdL22]. **loss-based** [RGvdL22]. **losses** [TY23]. **low** [AFWZ20, CCF21, CHLZ23, DM23, FWZ21, HS21a, LX23, MV21, MW24, Nic24, SW22, XYZ21, XZZ22]. **low-degree** [SW22]. **low-dimensional** [DM23]. **low-rank** [CCF21, CHLZ23, FWZ21, LX23, MV21, MW24, XZZ22]. **lower** [DSH23, Mou22]. **LSS** [LHBS23]. **lunch** [HK22].

machine [LL20]. **machines** [HS21a]. **Majority** [LTMC24]. **make** [BK20]. **manifolds** [JSLH23]. **many** [Pol21]. **maps** [HR21, MBNWW24]. **margin** [SXF24]. **Marginal** [KM21a, ALPW22]. **marginalized** [MH20]. **Markov** [SPY20, ALPW22, BS23a, DDB20, FZP20, HW23, LQW⁺22, MH20, RERS23, YZZ22]. **Markovian** [AL21]. **MARS** [KFG24]. **massive** [CP21b]. **Matching** [DD23]. **Matérn** [LSW21]. **matrices** [AFWZ20, AR21, BDP23, BDWW22, CHP20, CLC⁺21a, CCF21, DZ20c, DY21, DZ24, Fan22, HW20, HY22, LW20, LWL21, LPYZ24, LR20b, LHBS23, LGRG23, MPW20, MWY23, MV21, Mou22, RW23, XYY20, ZZPZ22]. **matrix** [BM22, BDW21, BSS20, CW20, FWZ21, HKTY24, LHY20, MW24, PC20, QLY23, TV24]. **matrix-valued** [HKTY24]. **Max** [FJLX22, LLM20, PR22]. **max-stable** [PR22]. **Max-sum** [FJLX22]. **maxima** [BDH24, BZ23b, DZ20a, DHS20]. **maximal** [HLM23, RW23]. **Maximum** [FLS⁺24, BGvZ12, BGvZ21, CS20, EJ20, Goo22, SG20]. **MCMC**

[ALPW22, PHL20]. **Mean** [Hop20, BDH21, CW22a, CKP24, Ché24, DM22, DL22, GSS22, LBvdL21, LM21b, RGvdL22, ZZ20]. **means** [KKZ21, LL20, MH22, XY20]. **measure** [AC21, DR24, HdBCAM21, SP20, WN22]. **measurement** [BG21, JPV22, JZLM23]. **measurements** [ATW24, Nic24]. **measures** [ALMM22, BB21, Vel22]. **Measuring** [CLP21b]. **median** [LL20]. **median-of-means** [LL20]. **Memorization** [MZ22]. **memory** [Hid21]. **Mendelian** [MWW23, YSK21, ZWH⁺20]. **merging** [VWW22]. **Message** [Fan22, MV21]. **method** [BZ23b, CHK⁺24, Che21, CGZ22b, GLP20, MW22, RCSN22, WY20, YKN24]. **methods** [Dob20, HL24, MPK20, PTW21, PC20, SvZ20]. **Metric** [DCM24, ABL23, CM22b, HKSW21, KB22, LM21a]. **metric-space** [LM21a]. **metrics** [ZZYS20]. **Metropolis** [STG21]. **microclustering** [DCT21]. **microscopy** [KMW21]. **mimic** [RV22]. **Minimax** [BFR23, BGL⁺20, CW21, CP22a, CHL⁺24, FZP20, HR21, KBRW24, KBW22, LN22, LR20b, LGS21, MGS20, NBW21, NWB22, TY23, BNR23, CS22, Efr21, FNZ22, HW21b, KMW21, Mou22, MJ22]. **Minimax-optimal** [BGL⁺20]. **minimisation** [DDP21]. **minimization** [MN20]. **minimizer** [CCZ24]. **minimizers** [CLvdG22, Han21]. **minimizing** [SJ22]. **minimum** [CCZ24, CDRV21, CLvdG22, Cox20, LS22b, RGvdL22]. **minimum-** [LS22b]. **Missing** [BS23c, CFMY21, Che22, Efr21, LPYZ24, SBC24, YCF24]. **misspecification** [DHK⁺20]. **mixed** [EJ20, EB22, FSW21, LZ22a, MP23, PWLL21, RERS23]. **mixing** [WN22]. **mixture** [ADXR20, AY23, AD22, CLP21a, DP21, JLLX21, KM21b, LZZ21, MK21a, Nda22, SG20]. **mixtures** [DGMMR21, DWYZ23, LX23, MW22, WY20, YWR24]. **MLE** [CGZ22b, DKH21]. **modal** [GH21]. **Model** [BGL⁺20, Eva20, GIKM22, Ing20, Tan20, BPS20, BDW21, BEPV22, BK20, CHK⁺24, CLTZ20, CL24, CCNT21, DLS20, EKJ20, GM20, HSS22, KBB⁺20, LHY20, Li22, LSC⁺24, LZZ21, MBR21, Nda22, NCDK24, Pan23, Tia20, WSB⁺23, XJL20, ZD22, ZMW22]. **model-** [NCDK24]. **Model-assisted** [Tan20]. **model-based** [LSC⁺24, ZD22]. **model-free** [KBB⁺20, Pan23]. **model-X** [WSB⁺23]. **modeling** [Mur21]. **models** [ADXR20, AY23, AD22, BM22, BDSW22, BR23, BZ23a, BBNW20, BBSMW22, BW23, BFPM21, BFZ22, BMY20, CP22a, CLP21b, CJLZ24, CHLZ23, DHZ21, DCT21, DZ24, DN21, EJ20, EB22, FSW21, FMM23, FLS20, FGS21b, FY23, GvdVZ20, GKM21, GSUC21, GMPE21, GIKM22, GMW21, GX20, HS21b, JZLM23, JO20, KZ21, Kol22, KM21b, LZ22a, LGRG23, MK21a, MN20, PV20b, RS24, SS20, SS23, Sta24, Vel22, WT23, WN22, WZL22, XM23, XWZY24, ZA23, ZC23]. **moderate** [GSS22]. **modern** [HLS22]. **moment** [BDM22]. **moments** [CHK⁺24, KKZ21, LS22a, MW22, WY20, ZX22]. **Mondrian** [MGS20]. **Monitoring** [HKW21]. **monotone** [BMNT23, CG21a, DHZ21, WC20]. **monotonicity** [FGS21a]. **Monte** [AL21, DMS20, FT23, HBDD20, KJJS20, KJJS22, MMS23]. **Motif** [BDM22].

MSE [DGR23]. **MSE-optimal** [DGR23]. **multi** [CCL24, Cha20, DZ20b, DW23a, GH21, NR20, PC20]. **multi-armed** [CCL24, Cha20]. **multi-dimensional** [DZ20b, NR20]. **multi-layer** [PC20]. **multi-modal** [GH21]. **multi-task** [DW23a]. **multiclass** [HTYZ20]. **Multidimensional** [KMW20, GR22]. **multifactor** [DLY22]. **multilayer** [CLM22, JLLX21]. **multimodal** [PHL20]. **multinomial** [BMY20, LLM20]. **Multiple** [ZVB21, ACR24, ATW24, CCZ22, CR20, DHZ21, FLY23, HZ20, HLM23, WGS⁺22, ZLSK22]. **multiplier** [CZ20]. **multiply** [Cha22a, QTD24]. **multiply-imputed** [Cha22a]. **multireference** [DFZ24]. **Multiscale** [CvdP21, CP21a, KMW20]. **multitask** [HK22]. **Multivariate** [FGS21a, GS22, AWS22, BGvZ12, BGvZ21, BSS20, BNX22, CG21b, Ché24, DRR20, DP22, EJ20, FGKS21, GLL22, KBW20, KM21b, LM21b, PR22, PSD24, REZ23, WG23, WZL22, ZVB21].

Navier [NT24]. **Near** [LLM20, Lop22, EB22]. **Near-parametric** [LLM20]. **nearest** [CBS20]. **nearly** [DL22]. **Necessary** [KB22, Lah21]. **need** [XZZ22]. **neighbour** [CBS20]. **Nested** [RERS23]. **Network** [Lei21, AF23, JMM20, JKL21, KL21, LW22, SS23, ZX22]. **networks** [CLM22, FGZ24, GMMM21, HYF23, JPV20, JLLX21, KLR⁺20, Kut20, MZ22, PC20, SH20a, SHV24, WYR21]. **neural** [GMMM21, JMM20, KL21, Kut20, MZ22, SH20a, SHV24]. **no** [HK22, XZZ22]. **no-free-lunch** [HK22]. **Noise** [CFMY21, AV23, DGR23, FGZ24, FLS⁺24, GLL22, dÁLM21]. **Noisy** [Han23, AMBL23, DM23, SM20, XYZ21]. **non** [CP21a, JPV21, ZGV22]. **non-** [ZGV22]. **non-Euclidean** [CP21a, JPV21]. **Nonasymptotic** [JSLH23, RW20a, HRMS21]. **Nonclassical** [Zhi20]. **nonconvex** [CPT23, CFMY21, JZLM23, SWJ21]. **Nonexchangeable** [DCT21]. **nonignorable** [MK21b]. **noninteractive** [BRS23]. **Nonlinear** [AF23, SO23, CJQY24, DM23, JZLM23, LW20, MNP21, PSD24, SW07, SWZ22, ZSW22]. **nonlinear-type** [SWZ22]. **nonmonotone** [Che22]. **Nonparametric** [CPH23, CGC20, DRR20, Efr22, GR22, JPV22, Kut20, NR20, RSH20, SH20a, SBC24, AC24, ADXR20, AY23, AD22, BS23c, BCCG21, CW21, CW22b, CLP21b, CG21a, Cha20, DWW⁺24, GS22, GLP20, HRMS21, JSLH23, KBW20, KH23, KM21b, LN22, LCI21, MPW23, SG20, SGWH20, SVvZ23, WC20, XS21, ZS22, vdVW21, SHV24]. **Nonregular** [FNZ22]. **nonresponse** [MK21b]. **nonreversible** [AWS22]. **nonsmooth** [DDJ24, SWJ21]. **nonsparse** [BFZ22, SF22]. **nonspiked** [CHP20]. **nonstandard** [DR21a, LY20]. **nonstationary** [BR23, DZ20c, DZ23, TCPS23, vDD24]. **nonunique** [LBvdL21]. **norm** [AWS22, BDH21, CLvdG22]. **norma** [LS22b]. **normal** [BSS20, Che21, Ché24, FY23, KZ21]. **normality** [DDJ24, QLY23]. **normalization** [WS20]. **normalized** [GSS22]. **norms** [TV24]. **note** [BGvZ21, FZ21, LBvdL21, ZSW22]. **novelty** [MLMR24]. **null** [RV22]. **number** [KM21b, MK21a, TYZ20, WL22, ZWL20]. **numbers** [RKP23]. **numerical** [HL20].

objects [DCM24]. **oblique** [CCK24]. **observations** [CSSV22, Ing20, LPYZ24, SLY22]. **observed** [HW23, KL20, WN22]. **Off** [HW23, BKRS23, CS22, DSH23, SS22]. **Off-policy** [HW23]. **offline** [LSC⁺24, WQW23]. **offs** [DH24]. **One** [LC24, DM22, DMR22]. **one-bit** [DMR22]. **One-step** [LC24]. **Online** [GH21, HKTY24, FRB24, KR20, ZS22]. **Only** [GHS21]. **operator** [CP22b, DM23]. **operators** [BD20]. **Optimal** [ABL23, ATW24, BM22, BGvZ12, BGvZ21, BKS21, BS23c, BW23, CWZ21, CW22b, CFNP21, CCZ22, CNY21, Cha22b, CGZ22a, DLS20, DWYZ23, HJWW20, JKL21, LX23, MBR21, PCV23, RCS23, SGWH20, SVvZ23, TSY20, TV24, VFLRB23, WYR21, WY20, XJL20, ADXR20, BB21, BNR23, BMY20, BGL⁺20, CG21b, DGR23, FZP20, GS22, Han21, HWZ22, HR21, KB21, KL20, LSWMC24, Leu22, LO23, LBvdL21, MBNWW24, MPW20, MK21b, MGS20, Nda22, NBW21, SSL21, SM20, WT23, XYZ21, ZLN22]. **Optimality** [CCZ24, CGZ22b, LZZ21, OL24, CQZ23, DDJ24, DR21b, KBW22, LLHL21, LM21b, LZ22b, MJ22, ZCW22]. **Optimally** [MPW23]. **Optimization** [AO22a, AMBL23, CZ21, CPT23, CFMY21, DR21b, DN21, HMR23, JZLM23]. **oracle** [BG20, BS23b, RV22]. **orbit** [FLS⁺24]. **Order** [SM23, BZ21, BK20, FZ16, FZ21, HL24, HCCI22, OvdG21]. **Order-of-addition** [SM23]. **ordering** [AL21, SM23]. **Orthogonal** [FS23, CT22, HLS22, PWLL21, SM23]. **Osband** [FZ21, FZ16]. **other** [BZ21, DHZ21, RKP23]. **outcome** [HLM23, LBvdL21]. **outcomes** [RGvdL22]. **outlier** [CDRV21]. **outliers** [BCL⁺23, CFMY21]. **overlapping** [BBNW20, ZVB21]. **overparametrization** [HJ24].

p [VWW22]. **p-values** [VWW22]. **Pairwise** [BCCP23, CGZ22a, MW22, PMM⁺20]. **panel** [BCPW23, FJLX22, ZZZ24]. **panel-based** [ZZZ24]. **parabolic** [Cho20]. **parallel** [Pol21, WM21]. **Parameter** [PSD24, ATW24, CWZ21, LSW21, MM21]. **parameters** [CLTZ20, GM20, Li22, LC24]. **Parametric** [ZGV22, LLM20]. **Partial** [CGZ22b, GX20, KS20, PMM⁺20, ZS20]. **partially** [HW23, KL20, ZMW22]. **particle** [CSSV22, FLS⁺24, KJJS20, KJJS22, LSV20]. **partition** [DCT21]. **partitioning** [CFF20]. **partitioning-based** [CFF20]. **passing** [MV21, Fan22]. **paths** [CGC20]. **pathwise** [BR24]. **Pattern** [Che22]. **PCA** [AFW22, CFMY21, Dob20, DH24, RW20a, SS22, YCF24, ZCW22]. **PDEs** [Cho20]. **Penalized** [TYZ20, Hua20, HS21b, OQC22]. **penalties** [CM22a]. **performance** [DN21]. **Permutation** [Dob20, PCV23, BKS21, KNBW22, KBW22]. **permutations** [MPW20, MW22, PS22]. **persistent** [CGK22, RKP23]. **perspective** [AD22, BKRS23, KMW21]. **perspectives** [HMR23]. **perturbed** [CCF21]. **Peskun** [AL21]. **Phase** [CKP24, BV20, CS20, GZ22a, Hua20, MZ22]. **phenomenon** [BS23b, BDM22, DLY22]. **piecewise** [BZ23b, CG21b, GHZ20]. **planted** [LZ22b]. **plot** [ZD22]. **Plugin** [MBNWW24]. **Poincaré** [ALPW22]. **point** [BCCP23, CNY21, DM20, FLS20, HKTY24, HKW21, LGS21,

VFLRB23, WYR21, XWZY24]. **points** [EB22, WZVS22, ZWL20]. **Poisson** [JZLM23, RSH20]. **policy** [HW23, LQW⁺22]. **polygon** [JKL21]. **polynomial** [Hop20, JSLH23]. **polynomials** [CG21b, SW22]. **population** [LHY20]. **populations** [HY22]. **position** [SS23]. **positive** [FLS20]. **positives** [BNR20]. **positivity** [LUZ21, REZ23]. **possible** [DK22, GLL22, RV22]. **possibly** [LBvdL21, ZLSK22]. **Post** [BNR20, ZJ23, BPS20, KLYL20, KBB⁺20, PTW21]. **post-model-selection** [BPS20]. **Post-selection** [ZJ23, KBB⁺20, PTW21]. **Posterior** [RvdP20, SHSS⁺21, KK20, Mur21, NT24, SM20, ZG20]. **posteriors** [AR20]. **power** [EH23, WSB⁺23]. **Powerful** [SJ22]. **practically** [BDH24]. **practice** [LL20]. **pre** [CL24]. **pre-averaging** [CL24]. **Precise** [HJ24, JS22, LS22b]. **precision** [BDP23, DZ20c, LR20b]. **Prediction** [OvdG21, Tia20, BCRT23, DLS20, KB22, ZZZ24]. **predictions** [BK20]. **Predictive** [BCRT21, HHPS20, MJ22, SL23]. **predictors** [HLM23, JPV21]. **prefactors** [JSLH23]. **presence** [DK21, SAH21]. **prices** [OW21]. **pricing** [BCPW23]. **Principal** [FSW21, BDWW22, DY21, KLN20, PRV20]. **principle** [FWZ21, FRB24, FZ16, FZ21]. **principles** [CCZ24]. **prior** [RSH20]. **priors** [BSS20, MNP21, NT24, RS20b]. **privacy** [CWZ21, LBY23, RS20a]. **private** [AMBL23, AV23, BRS23, CHK⁺24, DR24, LTMC24]. **probability** [BB21, KR20]. **problem** [Cha20, NIS⁺21]. **problems** [AO22a, DH24, Han23, MNP21, PCV23]. **procedure** [MK21a]. **procedures** [BGvZ12, BGvZ21, DR21a, GHS21, WGS⁺22]. **process** [BATU23, DDG21, HPTZ22, JT21, Li22, MNP21, Mur21, NT24]. **processes** [BCCP23, CL22, DRR20, FZP20, Hid21, HW23, HCCI22, LQW⁺22, MPK20, MP23, YZZ22, ZW21, ZLN22, vDD24]. **profession** [FS21]. **profile** [ZWH⁺20]. **profiles** [DCM24]. **Projected** [WQW23]. **projection** [KBW20]. **projections** [KPST23]. **Projective** [SS23]. **promotion** [BEPV22]. **properties** [BCST20, CFF20, CVFL22, HS21b, RERS23, RS20b]. **proportion** [KR20]. **proportions** [GHS21]. **Propriety** [Mur21]. **protocol** [CW22a]. **proxy** [KRSW21]. **pseudo** [ALPW22, GKM21]. **pseudo-likelihood** [GKM21]. **pseudo-marginal** [ALPW22]. **pure** [LN22].

quadratic [BRS23, CZ21]. **quantification** [BG20, CR21, MNP21]. **quantify** [vDD24]. **quantifying** [CS22]. **quantile** [BCPW23, HdBCAM21, HPTZ22]. **quantiles** [GS22, KP23]. **quantization** [DMR22]. **quantum** [FY23, LN22].

Random [BS23c, LW22, AFWZ20, BD20, BM22, CPT23, CVFL22, DZ20a, DCT21, DD23, DCM24, GSS22, GHO22, GGCvL20, HJ24, KB22, LPYZ24, LSW21, SS20, SGWH20, STG21, TCPS23]. **randomization** [Dob22, MWW23, YSK21, ZWH⁺20]. **randomized** [Leu22, LH23]. **range** [SWFD21, ZLN22]. **Rank** [CL24, LEV21, ZXZL24, AFWZ20, CP22b, CCF21, CHLZ23, DHS20, FWZ21, HYF23, LWL21, LX23, MV21, MW24, RW23, SHDH22, XYZ21, XZZ22].

Rank-based [LEV21, ZXZL24]. **ranking** [CGZ22a, CGZ22b]. **ranks** [GS22, HdBCAM21]. **Rao** [YWR24]. **rare** [DK22, PS20]. **rare/weak** [PS20].
Rate [Leu22, WT23, CW21, CW22b, CCZ22, DHK⁺20, FL22, Han21, KL21, MLMR24, RV22, SXF24, SM20, TY23, ZL24]. **Rate-optimal** [Leu22, WT23, SM20]. **Rates** [DFZ24, HS21b, BB21, BKS21, BFR23, CWZ21, CCK24, GS22, HS21a, HJWW20, Hop20, KBRW24, LGS21, LLM20, MGS20, RS20a, TSY20, XJL20, ZG20]. **ratio** [BM22, BMNT23, HSS22].
ratios [MW24]. **reach** [ABL23]. **recollections** [Che21]. **Reconciling** [NCDK24, RY21, ZD22]. **reconstructability** [SJ22]. **reconstruction** [KL20, RW20a]. **recovery** [BGL⁺20, CGZ22b, DD23, FWZ21, GZ22b, Nda22, RSH20]. **rectangular** [TV24]. **reduction** [CJQY24, DQW20, KLYL20, KZ21, LL22, LS22a].
reference [BNR20, Mur21, ZZZ24]. **Refined** [GSS22]. **reflections** [Che21].
regime [LLSS21]. **regimes** [LSWMC24, OQC22]. **regions** [EB22, FLS20, LY20]. **regression** [BATU23, BGvZ12, BG20, BGvZ21, BCPW23, BV20, BM23, BNX22, BJ23, CS20, CCK24, CM22a, CG21a, CM22b, CS22, DSUC23, DZ20b, DHZ21, DS21, FGS21a, GZ22a, GW22, GLP20, GSUC21, HZ20, HTYZ20, HS23, HJ24, HHPS20, HPTZ22, Ing20, JP20, JPV21, JPV22, JT21, JSLH23, KR20, KL21, KBB⁺20, Kut20, LLSS21, LPMP24, LR20a, LLHL21, LM21a, MPW23, OQC22, PS22, PLD21, RvdP20, SH20a, SHV24, SGWH20, SF22, WG23, XWZY24, ZP22, ZS22, ZGV22, dÁLM21]. **regression-based** [OQC22].
regressions [GHO22, dRdCMP21]. **regret** [BNR23]. **regrets** [CP22a].
regular [XM23]. **regularization** [BNR23, DGMMR21, ZGMS24, dÁLM21].
regularized [BZ23a, CLvdG22, HSL24, HS23, JLLX21, LM21a, OvdG21, Tan20, WSB⁺23].
reinforcement [LSC⁺24, WQW23]. **related** [DH24]. **Relaxing** [BNR23, FGRS22, HJ20]. **relevant** [BDH21]. **ReLU** [Kut20, FGZ24, SH20a, SHV24]. **replicating** [WGS⁺22]. **representation** [Lei21]. **Rerandomization** [WL22]. **Rerandomized** [MWW23].
resampling [CSSV22, ZLN22]. **research** [BFdGG21]. **residual** [HYF23].
residuals [Vel22]. **resilience** [ZJS22]. **resolution** [KMW21]. **response** [BNX22, CJLZ24, FGS21b, PLD21]. **responses** [BJ23, FNZ22, JP20, JPV21].
restricted [GX20]. **restrictions** [KH23]. **results** [DDG21, SS20]. **reversible** [AL21, BS23a, GR22]. **revisited** [NIS⁺21, ZP22]. **reward** [LQW⁺22]. **Rho** [BB20]. **Rho-Bayes** [BB20]. **Ridge** [ZP22]. **Ridgeless** [LR20a, HMRT22].
Riemannian [SLY22]. **right** [DR24]. **risk** [CFNP21, CLvdG22, CS22, DR21a, GLCS20, Han21, Han23, HHPS20, Hua20, MN20, Mou22, QTD24].
risk-fairness [CS22]. **RKHS** [MPW23, ZZYS20]. **RKHS-based** [MPW23, ZZYS20]. **Robust** [BB20, BCS20, BFL21, CZ20, DL22, FLY23, GLN20, KBW20, KKZ21, LL20, LM21b, MZ20, OW21, SM20, CFMY21, CCNT21, DM22, DWW⁺24, DW23a, DN21, FWZ21, HJ24, Hua20, NCDK24, QTD24, WT23, YZZ22, ZWH⁺20, ZJS22]. **robustness** [CLvdG22, LBY23].
root [BE22, BNR23, Lei21]. **root-entropic** [BNR23]. **rotationally** [Fan22].

rough [CHL⁺24]. **rule** [LBvdL21, Pol21]. **Run** [Pol21, BDP23].

saddlepoint [Goo22]. **Safe** [DP21]. **Sample**
 [YZZ22, Bha20, CHP20, CFF20, GW22, GGCvL20, HSL24, HY22, KRSW21,
 LHY20, LSC⁺24, LHBS23, MMS23, Mou22, QLY23, XYY20, XY20, YSK21,
 ZZZP22, ZGMS24, ZWH⁺20, Zhi22, ZWL20]. **sample-splitting** [ZWL20].
sampling [BJ22, BDM22, DP21, HTYZ20, HW21a, LSV20]. **Scalable**
 [HPTZ22, BV20]. **scalar** [BR24]. **scale**
 [CCZ22, GHO22, HTYZ20, KW22, MS20]. **scales** [HT23]. **scanning**
 [KMW20]. **scenario** [AL21]. **Schatten** [TV24]. **schemes** [CSSV22, PSD24].
score [ZWH⁺20]. **ScreeNOT** [DGR23]. **search** [Tia20]. **Second**
 [BZ21, SMZ22]. **Second-order** [BZ21]. **sectional** [FJLX22]. **Segmentation**
 [FLS20]. **selection** [BPS20, BMNT23, CDRV21, Eva20, GKM21, GLP20,
 GIKM22, HMR23, HCCI22, Ing20, JT21, KBB⁺20, Lah21, LTM24, PTW21,
 RCS23, WWM20, ZL24, ZWL20, ZJ23]. **self** [GSS22, WS20].
self-normalization [WS20]. **self-normalized** [GSS22]. **selfnormalization**
 [WZVS22]. **semi** [CBS20]. **semi-supervised** [CBS20]. **Semiparametric**
 [MK21b, RvdV20, WZL22, BEV20, CJLZ24, ZGV22, dRdCMP21]. **sensitive**
 [PS20]. **sensitivity** [DK22]. **separability** [BD20]. **separable** [DY21].
sequence [BS23a, HSS22, HKW21]. **sequences** [ACR24, HRMS21, WN22].
sequential [FZP20, FT23, HBDD20, HW23, KJJS20, KJJS22, MMS23].
series [AvD20, BR23, BZ23b, CFF20, CNY21, Cha22b, CL24, DZ20c, DZ23,
 Ger24, HKTY24, LLS24, SW07, Vel22, WS20, YKN24, ZVB21, ZSW22]. **Set**
 [Han21, BE22]. **sets** [RCSN22, RS20b]. **settings** [KR20]. **Settling** [LSC⁺24].
shape [BS23a, KH23, RCSN22, XS21]. **shape-constrained** [BS23a]. **Sharp**
 [ACR24, BR24, CPT23, CQZ23, Efr21, KBG20, Nda22]. **shift**
 [KM21a, MPW23, QTD24]. **short** [SWFD21]. **short-range** [SWFD21].
shrinkage [DZ24, FWZ21, FGRS22, LW20]. **sieve** [RS20b, ZS22]. **sign**
 [LTM24]. **signal** [BM22, CC23]. **signals**
 [CQZ23, GHZ20, GLL22, SO23, WGS⁺22]. **signed** [JKL21]. **signed-polygon**
 [JKL21]. **significance** [FNL20]. **significant** [BDH24]. **signs** [HdBCAM21].
similarity [BR24]. **simple** [AC21]. **simplices** [NIS⁺21]. **Simultaneous**
 [KR20, ZF24]. **Single** [BM23, FLS⁺24]. **single-particle** [FLS⁺24]. **Singular**
 [BDW21, DGR23, EB22, MWY23]. **Singularity** [DHK⁺20, KM21a]. **SIR**
 [TSY20]. **size** [BGvZ12, BGvZ21, DDB20]. **sizes** [ZVB21]. **sketching**
 [GW22]. **slab** [CR20]. **sliced** [LLHL21]. **slicing** [DQW20]. **sliding** [BZ23b].
SLOPE [BKRS23]. **smooth**
 [HR21, KZ21, Kol22, LSWM24, MBNWW24, NWB22, TCPS23].
smoothing [DC23, LPMP24]. **Sobolev** [ZS22]. **solution** [Cha20]. **Some**
 [BCST20, Che21, BM22]. **Sort** [MK21a]. **space**
 [CT22, CM22b, CHHW21, DKA20, EFdH⁺22, GIKM22, LM21a].
space-filling [CT22]. **space-time** [EFdH⁺22]. **spaces**
 [DZ20b, HKSW21, KB22]. **Sparse**
 [BV20, DGMMR21, GZ22a, TSY20, ALS23, ACR24, BBSMW22, BCCG21,

CW20, CZ21, CQZ23, CCNT21, FMM23, GLN20, GMW21, LGS21, MM21, MJ22, SLY22, SS23, WYR21, ZS20]. **sparsity** [BMNT23]. **Spatial** [EFdH⁺22, KP23, LEV21, Leu22]. **SPDEs** [ATW24]. **specific** [RGvdL22]. **Spectral** [CL22, HSL24, LPYZ24, PC20, AFW22, AR21, BM22, CGZ22b, LWL21, LZZ21, SW07, XYY20, ZW21, ZPZ22, ZSW22]. **spectrum** [GKV⁺22]. **spherical** [CM21, PV20a]. **spherically** [MS20]. **spike** [CR20]. **Spiked** [DY21, BM22, BDWW22, CHP20, DLS20, EKJ20, JO20, LHY20, ZPZ22]. **spikes** [LHBS23]. **spline** [HS21b]. **split** [ZD22]. **split-plot** [ZD22]. **splitting** [PSD24, ZWL20]. **square** [ZA23]. **squared** [GZ22a]. **squares** [HMRT22, KP22, Mou22, OvdG21, ZS20]. **stability** [ZJ23]. **stabilizing** [RKP23]. **stable** [BR24, MP23, PR22, SL23]. **stage** [BGvZ12, BGvZ21, LFR21]. **standard** [ERV20]. **StarTrek** [ZL24]. **state** [WQW23]. **state-action** [WQW23]. **states** [LN22]. **stationarity** [AvD20]. **stationary** [BCCP23, BZ23b, CGK22, MPK20, ZW21]. **Statist** [BGvZ21]. **statistic** [BKS21]. **Statistical** [BDWW22, CW20, CLTZ20, CHL⁺24, Dre23, DH24, GMW21, LZ22b, MNP21, ZWH⁺20, AO22a, CLC⁺21a, CP21b, FS23, FY23, HWZ22, HMR23, JS22, KLYL20, KMW20, KMW21, LPYZ24, NIS⁺21, NR20, SWJ21, SWZ22, SS22, LBvdL21]. **Statistical-computational** [DH24]. **Statistically** [XYZ21]. **Statistics** [PS22, BM22, BDH24, DCM24, HXWP21, HL24, JKL21, LWL21, LLM20, POLdHG24, QLY23, RKP23, WSB⁺23, ZPZ22, ZJS22]. **status** [Efr21]. **Stein** [BZ21, Che21, EG21, MH22, Str21, vdVW21]. **step** [BEV20, DDB20, LC24]. **Stigum** [ALS23]. **Stochastic** [CP22a, BB21, CLTZ20, Cho20, CGC20, DDJ24, DDB20, DR21b, PSD24, XJL20, ZS22]. **Stokes** [NT24]. **stopping** [Sta24]. **streams** [Pol21]. **strength** [PWLL21]. **Strong** [GKM21]. **structural** [BFPM21, LLS24, vDD24]. **structure** [Dre23, GZ22b, GLP20, HKTY24, KW22, WN22, YLFS22]. **structured** [BBNW20, BK20, GvdVZ20, Han21, KR20, LGRG23]. **structures** [BFZ22, DM23, LZ22b]. **studies** [NLS21]. **study** [CT22, SM23, WC20]. **sub** [DL22, Hop20]. **sub-Gaussian** [DL22, Hop20]. **subgraph** [BDM22]. **subgroup** [RCS23]. **submanifolds** [TY23]. **SubOptimality** [CGZ22b]. **subordinated** [ZLN22]. **subsampling** [HYF23]. **subsets** [EJ20]. **Subspace** [CLC⁺21a, BDW21]. **successive** [KPST23]. **sufficient** [BJ22, CJQY24, DQW20, KB22, Lah21, LL22]. **sum** [FJLX22]. **summary** [YSK21, ZWH⁺20]. **summary-data** [YSK21, ZWH⁺20]. **sums** [DZ20a, GSS22]. **Sup** [AWS22, BDH21]. **Sup-norm** [AWS22, BDH21]. **super** [BS23b]. **super-oracle** [BS23b]. **superhedging** [OW21]. **SuperMix** [DGMMR21]. **superresolution** [KMW21]. **Supervised** [WWZ⁺24, CBS20]. **support** [HS21a, RSH20]. **sure** [Cox20, BZ21, FGRS22]. **surfaces** [BD20]. **Surprises** [HMRT22]. **surrogate** [LSWMC24, SWJ21]. **Survival** [CLP21a, CvdP21, HLM23, PV20b, WZL22]. **symmetric** [MS20]. **symmetry** [GIKM22, XS21]. **synchrosqueezing** [SWZ22]. **systems** [KJJS20, KJJS22].

Table [Ano23g, Ano23h, Ano23i, Ano23j, Ano23k, Ano23l, Ano24e, Ano24f, Ano24g, Ano24h]. **tables** [DK22]. **tackling** [MPW23]. **tail** [ES21, Mou22]. **tailed** [AC24, BCCG21, DSUC23, FWZ21, GSUC21, GMPE21, HY22, KP22]. **tails** [FGZ24]. **Tanner** [BKRS23]. **TAP** [CFM23]. **targeted** [RGvdL22]. **targeting** [PHL20]. **task** [DW23a]. **teacher** [vdGK21]. **tempered** [AR20]. **temporal** [XWZY24]. **Tensor** [LZ22b, CL24, DH24, HWZ22, JLLX21, XYZ21]. **tensors** [XZZ22]. **Test** [FNL20, HW20, ALMM22, BD20, DWW⁺24, SWFD21, XY20, ZA23]. **Testability** [BFZ22]. **Testing** [AvD20, BJ22, BDH24, BCL⁺23, BP24, CP22b, GM22, JO20, KH23, PRV20, YLFS22, ACR24, BKS21, BS23c, BR24, BDH21, CCZ22, CR20, CMW23, CQZ23, CPH23, DHS20, FLY23, GW22, GS22, GGCvL20, GHS21, HXWP21, JZLM23, JKL21, KRSW21, KMW21, NBW21, NCDK24, POLdHG24, SP20, SVvZ23, WS20, ZXZL24, vdVW21]. **tests** [AV23, BM22, BKS21, Bha20, Cha22a, Dob22, DW23b, FZP20, FJLX22, HSL24, HSS22, KBW20, KNBW22, KBW22, PLD21, PS20, SHDH22]. **their** [AR20, AMR20, DR21a, ZC23]. **theorem** [CCKK22, EG21, HK22, LWL21, Lop22, dRdCMP21]. **theorems** [AO22b, GSS22, HW21a, LPYZ24]. **Theoretical** [ZZ20, BCST20, YZZ22]. **Theory** [LL20, AFW22, CHL⁺24, HZ20, KS20, KMW20, LS22b, SW07, ZSW22]. **thesis** [vdGK21]. **threshold** [ALS23, DD23]. **thresholding** [DGR23, GLN20, SF22, ZP22]. **thresholds** [Bha20, FNZ22]. **thumb** [Pol21]. **tie** [LO23]. **tie-breaker** [LO23]. **Tierney** [AL21]. **Time** [HRMS21, AvD20, BR23, BEPV22, BZ23b, CNY21, Cha22b, CM22b, CL24, CHHW21, DL22, DZ20c, DZ23, EFdH⁺22, Ger24, HKTY24, Hop20, LCI21, LLS24, RW23, RGvdL22, SO23, SW07, SWZ22, Vel22, WS20, YKN24, ZSW22, ZVB21]. **time-dependent** [LCI21]. **time-frequency** [SWZ22]. **Time-uniform** [HRMS21]. **time-varying** [RW23]. **top** [CGZ22b]. **top-** [CGZ22b]. **topic** [BBSMW22]. **topics** [KPST23]. **Total** [LUZ21, LM21a, REZ23, FGS21a, GLCS20, KYZ21, OvdG21, dÁLM21]. **trace** [LHY20]. **trade** [BKRS23, CS22, DSH23, DH24, SS22]. **trade-off** [BKRS23, CS22, DSH23, SS22]. **trade-offs** [DH24]. **training** [HJ24, JS22, MZ22]. **trajectories** [CM22b]. **Transfer** [CW21, CCL24, CKP24, RCS21]. **transform** [SWZ22]. **transform-toward** [SWZ22]. **transformations** [AO22b]. **transformed** [DLS20]. **transition** [CKP24, CS20, GZ22a, Hua20, MZ22]. **transitions** [BV20]. **transport** [GS22, HR21, MBNWW24]. **transportation** [BB21, HdBCAM21]. **treatment** [BJZ24, DWW⁺24, JPV20, LSWMC24, LW22, LBvdL21, OQC22, SAH21, SM23, SSL21, Tan20, YNB⁺22]. **tree** [BK20]. **tree-structured** [BK20]. **trees** [CCK24, CG21b, MGS20, RvdP20]. **trek** [BDSW22]. **trend** [CC23, EFdH⁺22, GLCS20]. **trimmed** [LM21b]. **tuning** [FLY23, MM21]. **Two** [BEV20, BRS23, GW22, GGCvL20, WM21, BGvZ12, BGvZ21, Bha20, DK22, GMMM21, HSL24, HKTY24, JMM20, KRSW21, KKZ21, LLSS21, LFR21, Nda22, XY20, YSK21, ZWH⁺20, ZXZL24]. **two-layer** [JMM20].

two-layers [GMMM21]. **Two-level** [WM21]. **two-regime** [LLSS21].
Two-sample
 [GW22, GGCvL20, Bha20, HSL24, KRSW21, XY20, YSK21, ZWH⁺20].
two-stage [BGvZ12, BGvZ21, LFR21]. **Two-step** [BEV20]. **two-way**
 [HKTY24]. **Tyler** [GLN20]. **type** [CJN24, GSS22, SWZ22, Zhi22]. **types**
 [Pol21].

unbalanced [CLC⁺21a]. **Uncertainty**
 [CR21, BG20, CCZ24, HTYZ20, MNP21]. **understandings** [YZZ22]. **unified**
 [WC20]. **Uniform** [AY23, CM22b, HW21a, MM21, DN21, HRMS21].
Uniformly [BPS20]. **uniqueness** [Cox20, DKH21]. **univariate**
 [FGS21b, GLCS20]. **Universal** [BJ23, HYF23, HKSW21]. **Universality**
 [HS23]. **universally** [SHDH22]. **unknown**
 [CW22a, Ché24, GLL22, MPW20, MS20, PS22, RV22, SAH21, TY23].
unlabeled [KLR⁺20]. **Unmixing** [NIS⁺21]. **unobserved** [LH23, YNB⁺22].
upper [RW20a]. **using**
 [BCCP23, BNR20, EJ20, GS22, KS20, Kut20, LSWMC24, Lei21, MP23,
 RW23, SH20a, SHV24, Tan20, Vel22, WGS⁺22, YWR24, ZWH⁺20].

Valid [KBB⁺20, BPS20, POLdHG24]. **validated** [CLC21b]. **validation**
 [CC23]. **validity** [Kle21, KK20, MPK20]. **value**
 [DGR23, Dre23, EH23, HHPS20, SSL21]. **value-at-risk** [HHPS20]. **valued**
 [CM22b, HKTY24, LM21a, LC24, vDD24]. **values**
 [BCL⁺23, MWY23, VW21, VWW22]. **Variable**
 [BMNT23, JT21, BDSW22, BGL⁺20, GLP20, HMR23, Lah21, WWM20, ZL24].
variables [BNX22, BFP21, GSS22, LUZ21, ZLSK22]. **variance** [BDP23,
 CW22a, Cha22b, DSH23, LLM20, MWW23, SWFD21, SGWH20, YSK21].
variation [CG21b, FGS21a, GLCS20, LM21a, OvdG21, dÁLM21].
Variational [RW20b, AR20, BKRS23, KR24, OL24, ZG20, ZZ20]. **VARs**
 [BG22]. **varying** [BDH21, RW23]. **vector**
 [BDW21, CCNT21, DL22, GKM21, HS21a, NR20, SHDH22, WT23]. **vectors**
 [DZ20a, MS20, ZXZL24]. **versus** [BRS23, PMM⁺20, SS22]. **via**
 [ALPW22, AMBL23, BDH24, BKS21, BDM22, BFR23, BNR23, CLP21a,
 CHK⁺24, CZ20, DN21, DH24, FGS21a, GW22, HYF23, HL24, JMM20,
 JLLX21, KFG24, KBW20, MK21a, MV21, SJ22, WS20, WZVS22, WY20,
 XS21, ZWL20, ZJ23]. **Volatility** [JLL21, CHL⁺24, CGK22, DZ24, SMZ22].
vote [LTMC24].

walk [STG21]. **warping** [CM22b]. **Wasserstein**
 [BBSMW22, CLP21b, NWB22, PLD21, RS24, YWR24, ZGMS24]. **way**
 [HKTY24]. **ways** [VWW22]. **weak**
 [ALPW22, BE22, DK22, LS22a, LLM20, PRV20, PS20]. **weakly**
 [CSSV22, dRdCMP21]. **weighted** [MWW23, XJL20, YSK21]. **weights**
 [WQW23]. **Which** [WWM20]. **white** [dÁLM21]. **Whittle** [BDP23, RY21].

Wigner [EKJ20]. **Wilks** [dRdCMP21]. **Willem** [BFdGG21, FS21, vdGK21]. **winner** [MWW23]. **winsorized** [GSS22]. **without** [Cox20, Efr21]. **Wordlength** [TX21]. **working** [HS21a]. **Worst** [PMM⁺20]. **Worst-case** [PMM⁺20]. **Wynn** [FGS21b].

X [WSB⁺23].

Zwet [BFdGG21, FS21, vdGK21].

References

Aamari:2023:ORE

- [ABL23] Eddie Aamari, Clément Berenfeld, and Clément Levrard. Optimal reach estimation and metric learning. *Annals of Statistics*, 51(3):1086–1108, June 2023. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-51/issue-3/Optimal-reach-estimation-and-metric-learning/10.1214/23-AOS2281.full>.

Azadkia:2021:SMC

- [AC21] Mona Azadkia and Sourav Chatterjee. A simple measure of conditional dependence. *Annals of Statistics*, 49(6):3070–3102, December 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-6/A-simple-measure-of-conditional-dependence/10.1214/21-AOS2073.full>.

Agapiou:2024:HTB

- [AC24] Sergios Agapiou and Ismaël Castillo. Heavy-tailed Bayesian nonparametric adaptation. *Annals of Statistics*, 52(4):1433–1459, August 2024. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-52/issue-4/Heavy-tailed-Bayesian-nonparametric-adaptation/10.1214/24-AOS2397.full>.

Abraham:2024:SMT

- [ACR24] Kweku Abraham, Ismaël Castillo, and Étienne Roquain. Sharp multiple testing boundary for sparse sequences. *Annals of Statistics*, 52(4):1564–1591, August 2024. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (elec-

tronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-52/issue-4/Sharp-multiple-testing-boundary-for-sparse-sequences/10.1214/24-AOS2404.full>.

Argiento:2022:IFB

- [AD22] Raffaele Argiento and Maria De Iorio. Is infinity that far? A Bayesian nonparametric perspective of finite mixture models. *Annals of Statistics*, 50(5):2641–2663, October 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-5/Is-infinity-that-far-A-Bayesian-nonparametric-perspective-of-finite/10.1214/22-AOS2201.full>.

Aragam:2020:INM

- [ADXR20] Bryon Aragam, Chen Dan, Eric P. Xing, and Pradeep Ravikumar. Identifiability of nonparametric mixture models and Bayes optimal clustering. *Annals of Statistics*, 48(4):2277–2302, August 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-48/issue-4/Identifiability-of-nonparametric-mixture-models-and-Bayes-optimal-clustering/10.1214/19-AOS1887.full>.

Armillotta:2023:NNA

- [AF23] Mirko Armillotta and Konstantinos Fokianos. Nonlinear network autoregression. *Annals of Statistics*, 51(6):2526–2552, December 2023. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-51/issue-6/Nonlinear-network-autoregression/10.1214/23-AOS2345.full>.

Abbe:2022:TPS

- [AFW22] Emmanuel Abbe, Jianqing Fan, and Kaizheng Wang. An ℓ_p theory of PCA and spectral clustering. *Annals of Statistics*, 50(4):2359–2385, August 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-4/An-%e2%84%93p-theory-of-PCA-and-spectral-clustering/10.1214/22-AOS2196.full>.

Abbe:2020:EEA

- [AFWZ20] Emmanuel Abbe, Jianqing Fan, Kaizheng Wang, and Yiqiao Zhong. Entrywise eigenvector analysis of random matrices with low expected rank. *Annals of Statistics*, 48(3): 1452–1474, June 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-48/issue-3/Entrywise-eigenvector-analysis-of-random-matrices-with-low-expected-rank/10.1214/19-AOS1854.full>.

Andrieu:2021:PTO

- [AL21] Christophe Andrieu and Samuel Livingstone. Peskun–Tierney ordering for Markovian Monte Carlo: Beyond the reversible scenario. *Annals of Statistics*, 49(4):1958–1981, August 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-4/PeskunTierney-ordering-for-Markovian-Monte-Carlo--Beyond-the-reversible/10.1214/20-AOS2008.full>.

Albert:2022:ATI

- [ALMM22] Mélisande Albert, Béatrice Laurent, Amandine Marrel, and Anouar Meynaoui. Adaptive test of independence based on HSIC measures. *Annals of Statistics*, 50(2):858–879, April 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-2/Adaptive-test-of-independence-based-on-HSIC-measures/10.1214/21-AOS2129.full>.

Andrieu:2022:CMC

- [ALPW22] Christophe Andrieu, Anthony Lee, Sam Power, and Andi Q. Wang. Comparison of Markov chains via weak Poincaré inequalities with application to pseudo-marginal MCMC. *Annals of Statistics*, 50(6):3592–3618, December 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-6/Comparison-of-Markov-chains-via-weak-Poincar%C3%A9-inequalities-with-application/10.1214/22-AOS2241.full>.

Abbe:2023:LSG

- [ALS23] Emmanuel Abbe, Shuangping Li, and Allan Sly. Learning sparse graphons and the generalized Kesten–Stigum threshold. *Annals of Statistics*, 51(2):599–623, April 2023. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-51/issue-2/Learning-sparse-graphons-and-the-generalized-KestenStigum-threshold/10.1214/23-AOS2262.full>.

Avella-Medina:2023:DPI

- [AMBL23] Marco Avella-Medina, Casey Bradshaw, and Po-Ling Loh. Differentially private inference via noisy optimization. *Annals of Statistics*, 51(5):2067–2092, October 2023. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-51/issue-5/Differentially-private-inference-via-noisy-optimization/10.1214/23-AOS2321.full>.

Anderes:2020:ICF

- [AMR20] Ethan Anderes, Jesper Møller, and Jakob G. Rasmussen. Isotropic covariance functions on graphs and their edges. *Annals of Statistics*, 48(4):2478–2503, August 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-48/issue-4/Isotropic-covariance-functions-on-graphs-and-their-edges/10.1214/19-AOS1896.full>.

Anonymous:2023:EBa

- [Ano23a] Anonymous. Editorial board. *Annals of Statistics*, 51(1):??, February 2023. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-51/issue-1/Editorial-Board/aos511p1.full>.

Anonymous:2023:EBb

- [Ano23b] Anonymous. Editorial board. *Annals of Statistics*, 51(2):??, April 2023. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-51/issue-2/Editorial-Board/aos512p1.full>.

Anonymous:2023:EBc

- [Ano23c] Anonymous. Editorial board. *Annals of Statistics*, 51 (3):??, June 2023. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-51/issue-3/Editorial-Board/aos513p1.full>.

Anonymous:2023:EBd

- [Ano23d] Anonymous. Editorial board. *Annals of Statistics*, 51 (4):??, August 2023. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-51/issue-4/Editorial-Board/aos514p1.full>.

Anonymous:2023:EBe

- [Ano23e] Anonymous. Editorial board. *Annals of Statistics*, 51(5):??, October 2023. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-51/issue-5/Editorial-Board/aos515p1.full>.

Anonymous:2023:EBf

- [Ano23f] Anonymous. Editorial board. *Annals of Statistics*, 51(6):??, December 2023. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-51/issue-6/Editorial-Board/aos516p1.full>.

Anonymous:2023:TCa

- [Ano23g] Anonymous. Table of contents. *Annals of Statistics*, 51 (1):??, February 2023. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-51/issue-1/Table-of-Contents/aos511c1.full>.

Anonymous:2023:TCb

- [Ano23h] Anonymous. Table of contents. *Annals of Statistics*, 51 (2):??, April 2023. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-51/issue-2/Table-of-Contents/aos512c1.full>.

Anonymous:2023:TCc

- [Ano23i] Anonymous. Table of contents. *Annals of Statistics*, 51 (3):??, June 2023. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-51/issue-3/Table-of-Contents/aos513c1.full>.

Anonymous:2023:TCd

- [Ano23j] Anonymous. Table of contents. *Annals of Statistics*, 51 (4):??, August 2023. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-51/issue-4/Table-of-Contents/aos514c1.full>.

Anonymous:2023:TCe

- [Ano23k] Anonymous. Table of contents. *Annals of Statistics*, 51 (5):??, October 2023. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-51/issue-5/Table-of-Contents/aos515c1.full>.

Anonymous:2023:TCf

- [Ano23l] Anonymous. Table of contents. *Annals of Statistics*, 51 (6):??, December 2023. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-51/issue-6/Table-of-Contents/aos516c1.full>.

Anonymous:2024:EBa

- [Ano24a] Anonymous. Editorial board. *Annals of Statistics*, 52(1):??, February 2024. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-52/issue-1/Editorial-Board/aos521p1.full>.

Anonymous:2024:EBb

- [Ano24b] Anonymous. Editorial board. *Annals of Statistics*, 52 (2):??, April 2024. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-52/issue-2/Editorial-Board/aos522p1.full>.

Anonymous:2024:EBc

- [Ano24c] Anonymous. Editorial board. *Annals of Statistics*, 52 (3):??, June 2024. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-52/issue-3/Editorial-Board/aos523p1.full>.

Anonymous:2024:EBd

- [Ano24d] Anonymous. Editorial board. *Annals of Statistics*, 52 (4):??, August 2024. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-52/issue-4/Editorial-Board/aos524p1.full>.

Anonymous:2024:TCa

- [Ano24e] Anonymous. Table of contents. *Annals of Statistics*, 52 (1):??, February 2024. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-52/issue-1/Table-of-Contents/aos521c1.full>.

Anonymous:2024:TCb

- [Ano24f] Anonymous. Table of contents. *Annals of Statistics*, 52 (2):??, April 2024. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-52/issue-2/Table-of-Contents/aos522c1.full>.

Anonymous:2024:TCc

- [Ano24g] Anonymous. Table of contents. *Annals of Statistics*, 52 (3):??, June 2024. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-52/issue-3/Table-of-Contents/aos523c1.full>.

Anonymous:2024:TCd

- [Ano24h] Anonymous. Table of contents. *Annals of Statistics*, 52 (4):??, August 2024. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-52/issue-4/Table-of-Contents/aos524c1.full>.

Aswani:2022:OHF

- [AO22a] Anil Aswani and Matt Olfat. Optimization hierarchy for fair statistical decision problems. *Annals of Statistics*, 50(6):3144–3173, December 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-6/Optimization-hierarchy-for-fair-statistical-decision-problems/10.1214/22-AOS2217.full>.

Austern:2022:LTD

- [AO22b] Morgane Austern and Peter Orbanz. Limit theorems for distributions invariant under groups of transformations. *Annals of Statistics*, 50(4):1960–1991, August 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-4/Limit-theorems-for-distributions-invariant-under-groups-of-transformations/10.1214/21-AOS2165.full>.

Alquier:2020:CTP

- [AR20] Pierre Alquier and James Ridgway. Concentration of tempered posteriors and of their variational approximations. *Annals of Statistics*, 48(3):1475–1497, June 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-48/issue-3/Concentration-of-tempered-posteriors-and-of-their-variational-approximations/10.1214/19-AOS1855.full>.

Amini:2021:CKM

- [AR21] Arash A. Amini and Zahra S. Razaee. Concentration of kernel matrices with application to kernel spectral clustering. *Annals of Statistics*, 49(1):531–556, February 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-1/Concentration-of-kernel-matrices-with-application-to-kernel-spectral-clustering/10.1214/20-AOS1967.full>.

Altmeyer:2024:OPE

- [ATW24] Randolph Altmeyer, Anton Tiepner, and Martin Wahl. Optimal parameter estimation for linear SPDEs from multiple measurements. *Annals of Statistics*, 52(4):1307–1333, August 2024.

CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-52/issue-4/Optimal-parameter-estimation-for-linear-SPDEs-from-multiple-measurements/10.1214/24-AOS2364.full>.

Awan:2023:CND

- [AV23] Jordan Awan and Salil Vadhan. Canonical noise distributions and private hypothesis tests. *Annals of Statistics*, 51(2):547–572, April 2023. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-51/issue-2/Canonical-noise-distributions-and-private-hypothesis-tests/10.1214/23-AOS2259.full>.

Aue:2020:TSF

- [AvD20] Alexander Aue and Anne van Delft. Testing for stationarity of functional time series in the frequency domain. *Annals of Statistics*, 48(5):2505–2547, October 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-48/issue-5/Testing-for-stationarity-of-functional-time-series-in-the-frequency/10.1214/19-AOS1895.full>.

Aeckerle-Willems:2022:SNA

- [AWS22] Cathrine Aeckerle-Willems and Claudia Strauch. Sup-norm adaptive drift estimation for multivariate nonreversible diffusions. *Annals of Statistics*, 50(6):3484–3509, December 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-6/Sup-norm-adaptive-drift-estimation-for-multivariate-nonreversible-diffusions/10.1214/22-AOS2237.full>.

Aragam:2023:UCN

- [AY23] Bryon Aragam and Ruiyi Yang. Uniform consistency in non-parametric mixture models. *Annals of Statistics*, 51(1):362–390, February 2023. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-51/issue-1/Uniform-consistency-in-nonparametric-mixture-models/10.1214/22-AOS2255.full>.

Barthelme:2023:GPR

- [BATU23] Simon Barthelmé, Pierre-Olivier Amblard, Nicolas Tremblay, and Konstantin Usevich. Gaussian process regression in the flat limit. *Annals of Statistics*, 51(6):2471–2505, December 2023. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-51/issue-6/Gaussian-process-regression-in-the-flat-limit/10.1214/23-AOS2336.full>.

Baraud:2020:RBL

- [BB20] Yannick Baraud and Lucien Birgé. Robust Bayes-like estimation: Rho-Bayes estimation. *Annals of Statistics*, 48(6):3699–3720, December 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-48/issue-6/Robust-Bayes-like-estimation-Rho-Bayes-estimation/10.1214/20-AOS1948.full>.

Bercu:2021:ADC

- [BB21] Bernard Bercu and Jérémie Bigot. Asymptotic distribution and convergence rates of stochastic algorithms for entropic optimal transportation between probability measures. *Annals of Statistics*, 49(2):968–987, April 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-2/Asymptotic-distribution-and-convergence-rates-of-stochastic-algorithms-for-entropic/10.1214/20-AOS1987.full>.

Bing:2020:AES

- [BBNW20] Xin Bing, Florentina Bunea, Yang Ning, and Marten Wegkamp. Adaptive estimation in structured factor models with applications to overlapping clustering. *Annals of Statistics*, 48(4):2055–2081, August 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-48/issue-4/Adaptive-estimation-in-structured-factor-models-with-applications-to-overlapping/10.1214/19-AOS1877.full>.

Bing:2022:LES

- [BBSMW22] Xin Bing, Florentina Bunea, Seth Strimas-Mackey, and Marten Wegkamp. Likelihood estimation of sparse topic distribu-

tions in topic models and its applications to Wasserstein document distance calculations. *Annals of Statistics*, 50(6):3307–3333, December 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-6/Likelihood-estimation-of-sparse-topic-distributions-in-topic-models-and/10.1214/22-AOS2229.full>.

Borgs:2021:CNE

- [BCCG21] Christian Borgs, Jennifer T. Chayes, Henry Cohn, and Shirshendu Ganguly. Consistent nonparametric estimation for heavy-tailed sparse graphs. *Annals of Statistics*, 49(4):1904–1930, August 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-4/Consistent-nonparametric-estimation-for-heavy-tailed-sparse-graphs/10.1214/20-AOS1985.full>.

Ba:2023:PIF

- [BCCP23] Ismaïla Ba, Jean-François Coeurjolly, and Francisco Cuevas-Pacheco. Pairwise interaction function estimation of stationary Gibbs point processes using basis expansion. *Annals of Statistics*, 51(3):1134–1158, June 2023. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-51/issue-3/Pairwise-interaction-function-estimation-of-stationary-Gibbs-point-processes-using/10.1214/23-AOS2284.full>.

Bates:2023:TOC

- [BCL⁺23] Stephen Bates, Emmanuel Candès, Lihua Lei, Yaniv Romano, and Matteo Sesia. Testing for outliers with conformal p -values. *Annals of Statistics*, 51(1):149–178, February 2023. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-51/issue-1/Testing-for-outliers-with-conformal-p-values/10.1214/22-AOS2244.full>.

Belloni:2023:HDL

- [BCPW23] Alexandre Belloni, Mingli Chen, Oscar Hernan Madrid Padilla, and Zixuan (Kevin) Wang. High-dimensional latent panel quantile regression with an application to asset pricing. *Annals of Statistics*, 51(1):96–121, February 2023. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (elec-

tronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-51/issue-1/High-dimensional-latent-panel-quantile-regression-with-an-application-to/10.1214/22-AOS2223.full>.

Barber:2021:PIJ

- [BCRT21] Rina Foygel Barber, Emmanuel J. Candès, Aaditya Ramdas, and Ryan J. Tibshirani. Predictive inference with the jackknife+. *Annals of Statistics*, 49(1):486–507, February 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-1/Predictive-inference-with-the-jackknife/10.1214/20-AOS1965.full>.

Barber:2023:CPB

- [BCRT23] Rina Foygel Barber, Emmanuel J. Candès, Aaditya Ramdas, and Ryan J. Tibshirani. Conformal prediction beyond exchangeability. *Annals of Statistics*, 51(2):816–845, April 2023. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-51/issue-2/Conformal-prediction-beyond-exchangeability/10.1214/23-AOS2276.full>.

Barber:2020:RIK

- [BCS20] Rina Foygel Barber, Emmanuel J. Candès, and Richard J. Samworth. Robust inference with knockoffs. *Annals of Statistics*, 48(3):1409–1431, June 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-48/issue-3/Robust-inference-with-knockoffs/10.1214/19-AOS1852.full>.

Biau:2020:STP

- [BCST20] Gérard Biau, Benoît Cadre, Maxime Sangnier, and Ugo Tanielian. Some theoretical properties of GANS. *Annals of Statistics*, 48(3):1539–1566, June 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-48/issue-3/Some-theoretical-properties-of-GANS/10.1214/19-AOS1858.full>.

Bagchi:2020:TSC

- [BD20] Pramita Bagchi and Holger Dette. A test for separability in covariance operators of random surfaces. *Annals of Statistics*, 48

(4):2303–2322, August 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-48/issue-4/A-test-for-separability-in-covariance-operators-of-random-surfaces/10.1214/19-AOS1888.full>.

Bucher:2021:DG

- [BDH21] Axel Bücher, Holger Dette, and Florian Heinrichs. Are deviations in a gradually varying mean relevant? A testing approach based on sup-norm estimators. *Annals of Statistics*, 49(6):3583–3617, December 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-6/Are-deviations-in-a-gradually-varying-mean-relevant-A-testing/10.1214/21-AOS2098.full>.

Bastian:2024:TP

- [BDH24] Patrick Bastian, Holger Dette, and Johannes Heiny. Testing for practically significant dependencies in high dimensions via bootstrapping maxima of U -statistics. *Annals of Statistics*, 52(2):628–653, April 2024. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-52/issue-2/Testing-for-practically-significant-dependencies-in-high-dimensions-via-bootstrapping/10.1214/24-AOS2361.full>.

Bhattacharya:2022:ME

- [BDM22] Bhaswar B. Bhattacharya, Sayan Das, and Sumit Mukherjee. Motif estimation via subgraph sampling: The fourth-moment phenomenon. *Annals of Statistics*, 50(2):987–1011, April 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-2/Motif-estimation-via-subgraph-sampling-The-fourth-moment-phenomenon/10.1214/21-AOS2134.full>.

Baek:2023:LWE

- [BDP23] Changryong Baek, Marie-Christine Düker, and Vlasos Pipiras. Local Whittle estimation of high-dimensional long-run variance and precision matrices. *Annals of Statistics*, 51(6):2386–2414, December 2023. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-51/issue-6/>

Local-Whittle-estimation-of-high-dimensional-long-run-
variance-and/10.1214/23-AOS2330.full.

Barber:2022:HTC

- [BDSW22] Rina Foygel Barber, Mathias Drton, Nils Sturman, and Luca Weihs. Half-trek criterion for identifiability of latent variable models. *Annals of Statistics*, 50(6):3174–3196, December 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-6/Half-trek-criterion-for-identifiability-of-latent-variable-models/10.1214/22-AOS2221.full>.

Bao:2021:SVS

- [BDW21] Zhigang Bao, Xiukai Ding, and Ke Wang. Singular vector and singular subspace distribution for the matrix denoising model. *Annals of Statistics*, 49(1):370–392, February 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-1/Singular-vector-and-singular-subspace-distribution-for-the-matrix-denoising/10.1214/20-AOS1960.full>.

Bao:2022:SIP

- [BDWW22] Zhigang Bao, Xiukai Ding, Jingming Wang, and Ke Wang. Statistical inference for principal components of spiked covariance matrices. *Annals of Statistics*, 50(2):1144–1169, April 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-2/Statistical-inference-for-principal-components-of-spiked-covariance-matrices/10.1214/21-AOS2143.full>.

Berthet:2022:CRW

- [BE22] Philippe Berthet and John H. J. Einmahl. Cube root weak convergence of empirical estimators of a density level set. *Annals of Statistics*, 50(3):1423–1446, June 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-3/Cube-root-weak-convergence-of-empirical-estimators-of-a-density/10.1214/21-AOS2157.full>.

Beyhum:2022:EPT

- [BEPV22] Jad Beyhum, Anouar El Ghouch, François Portier, and Ingrid Van Keilegom. On an extension of the promotion time cure model. *Annals of Statistics*, 50(1):537–559, February 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-1/On-an-extension-of-the-promotion-time-cure-model/10.1214/21-AOS2119.full>.

Bravo:2020:TSS

- [BEV20] Francesco Bravo, Juan Carlos Escanciano, and Ingrid Van Keilegom. Two-step semiparametric empirical likelihood inference. *Annals of Statistics*, 48(1):1–26, February 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/euclid.aos/1581930123>.

Bickel:2021:WVZ

- [BFdGG21] Peter Bickel, Marta Fiocco, Mathisca de Gunst, and Friedrich Götze. Willem van Zwet’s research. *Annals of Statistics*, 49(5):2439–2447, October 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-5/Willem-van-Zwets-research/10.1214/21-AOS2060.full>.

Brecheteau:2021:RBC

- [BFL21] Claire Brécheteau, Aurélie Fischer, and Clément Levrard. Robust Bregman clustering. *Annals of Statistics*, 49(3):1679–1701, June 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-3/Robust-Bregman-clustering/10.1214/20-AOS2018.full>.

Bongers:2021:FSC

- [BFPM21] Stephan Bongers, Patrick Forré, Jonas Peters, and Joris M. Mooij. Foundations of structural causal models with cycles and latent variables. *Annals of Statistics*, 49(5):2885–2915, October 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-5/Foundations-of-structural-causal-models-with-cycles-and-latent-variables/10.1214/21-AOS2064.full>.

Bilodeau:2023:MRC

- [BFR23] Blair Bilodeau, Dylan J. Foster, and Daniel M. Roy. Minimax rates for conditional density estimation via empirical entropy. *Annals of Statistics*, 51(2):762–790, April 2023. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-51/issue-2/Minimax-rates-for-conditional-density-estimation-via-empirical-entropy/10.1214/23-AOS2270.full>.

Bradic:2022:THD

- [BFZ22] Jelena Bradic, Jianqing Fan, and Yinchu Zhu. Testability of high-dimensional linear models with nonsparse structures. *Annals of Statistics*, 50(2):615–639, April 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-2/Testability-of-high-dimensional-linear-models-with-nonsparse-structures/10.1214/19-AOS1932.full>.

Belitser:2020:EBO

- [BG20] Eduard Belitser and Subhashis Ghosal. Empirical Bayes oracle uncertainty quantification for regression. *Annals of Statistics*, 48(6):3113–3137, December 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-48/issue-6/Empirical-Bayes-oracle-uncertainty-quantification-for-regression/10.1214/19-AOS1845.full>.

Belomestny:2021:DDU

- [BG21] Denis Belomestny and Alexander Goldenshluger. Density deconvolution under general assumptions on the distribution of measurement errors. *Annals of Statistics*, 49(2):615–649, April 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-2/Density-deconvolution-under-general-assumptions-on-the-distribution-of-measurement/10.1214/20-AOS1969.full>.

Bykhovskaya:2022:CLV

- [BG22] Anna Bykhovskaya and Vadim Gorin. Cointegration in large VARs. *Annals of Statistics*, 50(3):1593–1617, June 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic).

(electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-3/Cointegration-in-large-VARs/10.1214/21-AOS2164.full>.

Bunea:2020:MAV

- [BGL⁺20] Florentina Bunea, Christophe Giraud, Xi Luo, Martin Royer, and Nicolas Verzelen. Model assisted variable clustering: Minimax-optimal recovery and algorithms. *Annals of Statistics*, 48(1): 111–137, February 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/euclid.aos/1581930128>.

Belitser:2012:OTS

- [BGvZ12] Eduard Belitser, Subhashis Ghosal, and Harry van Zanten. Optimal two-stage procedures for estimating location and size of the maximum of a multivariate regression function. *Annals of Statistics*, 40(6):2850–2876, December 2012. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <http://projecteuclid.org/euclid.aos/1360332186>. See correction [BGvZ21].

Belitser:2021:CNS

- [BGvZ21] Eduard Belitser, Subhashis Ghosal, and Harry van Zanten. Correction note: “Optimal two-stage procedures for estimating location and size of the maximum of a multivariate regression function” Ann. Statist. **40** (2012) 2850–2876. *Annals of Statistics*, 49(1):612–613, February 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-1/Correction-note--Optimal-two-stage-procedures-for-estimating-location/10.1214/20-AOS1993.full>. See [BGvZ12].

Bhattacharya:2020:ADD

- [Bha20] Bhaswar B. Bhattacharya. Asymptotic distribution and detection thresholds for two-sample tests based on geometric graphs. *Annals of Statistics*, 48(5):2879–2903, October 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-48/issue-5/Asymptotic-distribution-and-detection-thresholds-for-two-sample-tests-based/10.1214/19-AOS1913.full>.

Barber:2022:TGF

- [BJ22] Rina Foygel Barber and Lucas Janson. Testing goodness-of-fit and conditional independence with approximate co-sufficient sampling. *Annals of Statistics*, 50(5):2514–2544, October 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-5/Testing-goodness-of-fit-and-conditional-independence-with-approximate-co/10.1214/22-AOS2187.full>.

Blanchard:2023:URA

- [BJ23] Moïse Blanchard and Patrick Jaillet. Universal regression with adversarial responses. *Annals of Statistics*, 51(3):1401–1426, June 2023. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-51/issue-3/Universal-regression-with-adversarial-responses/10.1214/23-AOS2299.full>.

Bradic:2024:HDI

- [BJZ24] Jelena Bradic, Weijie Ji, and Yuqian Zhang. High-dimensional inference for dynamic treatment effects. *Annals of Statistics*, 52(2):415–440, April 2024. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-52/issue-2/High-dimensional-inference-for-dynamic-treatment-effects/10.1214/24-AOS2352.full>.

Bresler:2020:LTS

- [BK20] Guy Bresler and Mina Karzand. Learning a tree-structured Ising model in order to make predictions. *Annals of Statistics*, 48(2):713–737, April 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/euclid.aos/1590480031>.

Bu:2023:CST

- [BKRS23] Zhiqi Bu, Jason M. Klusowski, Cynthia Rush, and Weijie J. Su. Characterizing the SLOPE trade-off: A variational perspective and the Donoho–Tanner limit. *Annals of Statistics*, 51(1):33–61, February 2023. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-51/issue-1/>

Characterizing-the-SLOPE-trade-off--A-variational-perspective-
and/10.1214/22-AOS2194.full.

Berrett:2021:ORI

- [BKS21] Thomas B. Berrett, Ioannis Kontoyiannis, and Richard J. Samworth. Optimal rates for independence testing via U -statistic permutation tests. *Annals of Statistics*, 49(5):2457–2490, October 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-5/Optimal-rates-for-independence-testing-via-U-statistic-permutation-tests/10.1214/20-AOS2041.full>.

Banerjee:2022:OSD

- [BM22] Debapratim Banerjee and Zongming Ma. Optimal signal detection in some spiked random matrix models: Likelihood ratio tests and linear spectral statistics. *Annals of Statistics*, 50(4):1910–1932, August 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-4/Optimal-signal-detection-in-some-spiked-random-matrix-models/10.1214/21-AOS2150.full>.

Bhattacharjee:2023:SIF

- [BM23] Satarupa Bhattacharjee and Hans-Georg Müller. Single index Fréchet regression. *Annals of Statistics*, 51(4):1770–1798, August 2023. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-51/issue-4/Single-index-Fr%C3%A9chet-regression/10.1214/23-AOS2307.full>.

Butucea:2023:VSM

- [BMNT23] Cristina Butucea, Enno Mammen, Mohamed Ndaoud, and Alexandre B. Tsybakov. Variable selection, monotone likelihood ratio and group sparsity. *Annals of Statistics*, 51(1):312–333, February 2023. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-51/issue-1/Variable-selection-monotone-likelihood-ratio-and-group-sparsity/10.1214/22-AOS2251.full>.

Bu:2020:ODM

- [BM20] Xianwei Bu, Dibyen Majumdar, and Jie Yang. D -optimal designs for multinomial logistic models. *Annals of Statistics*, 48

(2):983–1000, April 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/euclid.aos/1590480042>.

Blanchard:2020:PHC

- [BNR20] Gilles Blanchard, Pierre Neuvial, and Etienne Roquain. Post hoc confidence bounds on false positives using reference families. *Annals of Statistics*, 48(3):1281–1303, June 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-48/issue-3/Post-hoc-confidence-bounds-on-false-positives-using-reference-families/10.1214/19-AOS1847.full>.

Bilodeau:2023:RDA

- [BNR23] Blair Bilodeau, Jeffrey Negrea, and Daniel M. Roy. Relaxing the i.i.d. assumption: Adaptively minimax optimal regret via root-entropic regularization. *Annals of Statistics*, 51(4):1850–1876, August 2023. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-51/issue-4/Relaxing-the-iid-assumption--Adaptively-minimax-optimal-regret-via/10.1214/23-AOS2315.full>.

Bing:2022:AEM

- [BNX22] Xin Bing, Yang Ning, and Yaosheng Xu. Adaptive estimation in multivariate response regression with hidden variables. *Annals of Statistics*, 50(2):640–672, April 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-2/Adaptive-estimation-in-multivariate-response-regression-with-hidden-variables/10.1214/21-AOS2059.full>.

Bucher:2024:TIH

- [BP24] Axel Bücher and Cambyse Pakzad. Testing for independence in high dimensions based on empirical copulas. *Annals of Statistics*, 52(1):311–334, February 2024. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-52/issue-1/Testing-for-independence-in-high-dimensions-based-on-empirical-copulas/10.1214/23-AOS2348.full>.

Bachoc:2020:UVC

- [BPS20] François Bachoc, David Preinerstorfer, and Lukas Steinberger. Uniformly valid confidence intervals post-model-selection. *Annals of Statistics*, 48(1):440–463, February 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/euclid.aos/1581930142>.

Basu:2023:GMN

- [BR23] Sumanta Basu and Suhasini Subba Rao. Graphical models for nonstationary time series. *Annals of Statistics*, 51(4):1453–1483, August 2023. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-51/issue-4/Graphical-models-for-nonstationary-time-series/10.1214/22-AOS2205.full>.

Brutsche:2024:SAP

- [BR24] Johannes Brutsche and Angelika Rohde. Sharp adaptive and pathwise stable similarity testing for scalar ergodic diffusions. *Annals of Statistics*, 52(3):1127–1151, June 2024. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-52/issue-3/Sharp-adaptive-and-pathwise-stable-similarity-testing-for-scalar-ergodic/10.1214/24-AOS2386.full>.

Butucea:2023:IVN

- [BRS23] Cristina Butucea, Angelika Rohde, and Lukas Steinberger. Interactive versus noninteractive locally differentially private estimation: Two elbows for the quadratic functional. *Annals of Statistics*, 51(2):464–486, April 2023. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-51/issue-2/Interactive-versus-noninteractive-locally-differentially-private-estimation--Two-elbows/10.1214/22-AOS2254.full>.

Berg:2023:ESC

- [BS23a] Stephen Berg and Hyebin Song. Efficient shape-constrained inference for the autocovariance sequence from a reversible Markov chain. *Annals of Statistics*, 51(6):2440–2470, December 2023. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals->

of-statistics/volume-51/issue-6/Efficient-shape-constrained-
inference-for-the-autocovariance-sequence-from-a/10.
1214/23-AOS2335.full.

Berrett:2023:EFE

- [BS23b] Thomas B. Berrett and Richard J. Samworth. Efficient functional estimation and the super-oracle phenomenon. *Annals of Statistics*, 51(2):668–690, April 2023. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-51/issue-2/Efficient-functional-estimation-and-the-super-oracle-phenomenon/10.1214/23-AOS2265.full>.

Berrett:2023:ONT

- [BS23c] Thomas B. Berrett and Richard J. Samworth. Optimal non-parametric testing of missing completely at random and its connections to compatibility. *Annals of Statistics*, 51(5):2170–2193, October 2023. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-51/issue-5/Optimal-nonparametric-testing-of-Missing-Completely-At-Random-and-its/10.1214/23-AOS2326.full>.

Berger:2020:BAC

- [BSS20] James O. Berger, Dongchu Sun, and Chengyuan Song. Bayesian analysis of the covariance matrix of a multivariate normal distribution with a new class of priors. *Annals of Statistics*, 48(4):2381–2403, August 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-48/issue-4/Bayesian-analysis-of-the-covariance-matrix-of-a-multivariate-normal/10.1214/19-AOS1891.full>.

Bertsimas:2020:SHD

- [BV20] Dimitris Bertsimas and Bart Van Parys. Sparse high-dimensional regression: Exact scalable algorithms and phase transitions. *Annals of Statistics*, 48(1):300–323, February 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/euclid.aos/1581930136>.

Bing:2023:ODA

- [BW23] Xin Bing and Marten Wegkamp. Optimal discriminant analysis in high-dimensional latent factor models. *Annals of Statistics*,

51(3):1232–1257, June 2023. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-51/issue-3/Optimal-discriminant-analysis-in-high-dimensional-latent-factor-models/10.1214/23-AOS2289.full>.

Bellec:2021:SOS

- [BZ21] Pierre C. Bellec and Cun-Hui Zhang. Second-order Stein: SURE for SURE and other applications in high-dimensional inference. *Annals of Statistics*, 49(4):1864–1903, August 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-4/Second-order-Stein--SURE-for-SURE-and-other-applications/10.1214/20-AOS2005.full>.

Bellec:2023:DCR

- [BZ23a] Pierre C. Bellec and Cun-Hui Zhang. Debiasing convex regularized estimators and interval estimation in linear models. *Annals of Statistics*, 51(2):391–436, April 2023. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-51/issue-2/Debiasing-convex-regularized-estimators-and-interval-estimation-in-linear-models/10.1214/22-AOS2243.full>.

Bucher:2023:DSB

- [BZ23b] Axel Bücher and Leandra Zanger. On the disjoint and sliding block maxima method for piecewise stationary time series. *Annals of Statistics*, 51(2):573–598, April 2023. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-51/issue-2/On-the-disjoint-and-sliding-block-maxima-method-for-piecewise/10.1214/23-AOS2260.full>.

Cannings:2020:LNN

- [CBS20] Timothy I. Cannings, Thomas B. Berrett, and Richard J. Samworth. Local nearest neighbour classification with applications to semi-supervised learning. *Annals of Statistics*, 48(3):1789–1814, June 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-48/issue-3/Local-nearest->

neighbour-classification-with-applications-to-semi-supervised-learning/10.1214/19-AOS1868.full.

Chaudhuri:2023:CVF

- [CC23] Anamitra Chaudhuri and Sabyasachi Chatterjee. A cross-validation framework for signal denoising with applications to trend filtering, dyadic CART and beyond. *Annals of Statistics*, 51(4):1534–1560, August 2023. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-51/issue-4/A-cross-validation-framework-for-signal-denoising-with-applications-to/10.1214/23-AOS2283.full>.

Chen:2021:AHE

- [CCF21] Yuxin Chen, Chen Cheng, and Jianqing Fan. Asymmetry helps: Eigenvalue and eigenvector analyses of asymmetrically perturbed low-rank matrices. *Annals of Statistics*, 49(1):435–458, February 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-1/Asymmetry-helps--Eigenvalue-and-eigenvector-analyses-of-asymmetrically-perturbed/10.1214/20-AOS1963.full>.

Cattaneo:2024:CRO

- [CCK24] Matias D. Cattaneo, Rajita Chandak, and Jason M. Klusowski. Convergence rates of oblique regression trees for flexible function libraries. *Annals of Statistics*, 52(2):466–490, April 2024. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-52/issue-2/Convergence-rates-of-oblique-regression-trees-for-flexible-function-libraries/10.1214/24-AOS2354.full>.

Chernozhuokov:2022:ICL

- [CCKK22] Victor Chernozhuokov, Denis Chetverikov, Kengo Kato, and Yuta Koike. Improved central limit theorem and bootstrap approximations in high dimensions. *Annals of Statistics*, 50(5):2562–2586, October 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-5/Improved-central-limit-theorem-and-bootstrap-approximations-in-high-dimensions/10.1214/22-AOS2193.full>.

Cai:2024:TLC

- [CCL24] Changxiao Cai, T. Tony Cai, and Hongzhe Li. Transfer learning for contextual multi-armed bandits. *Annals of Statistics*, 52(1):207–232, February 2024. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-52/issue-1/Transfer-learning-for-contextual-multi-armed-bandits/10.1214/23-AOS2341.full>.

Comminges:2021:ARE

- [CCNT21] L. Comminges, O. Collier, M. Ndaoud, and A. B. Tsybakov. Adaptive robust estimation in sparse vector model. *Annals of Statistics*, 49(3):1347–1377, June 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-3/Adaptive-robust-estimation-in-sparse-vector-model/10.1214/20-AOS2002.full>.

Cao:2022:OFD

- [CCZ22] Hongyuan Cao, Jun Chen, and Xianyang Zhang. Optimal false discovery rate control for large scale multiple testing with auxiliary information. *Annals of Statistics*, 50(2):807–857, April 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-2/Optimal-false-discovery-rate-control-for-large-scale-multiple-testing/10.1214/21-AOS2128.full>.

Cai:2024:EIM

- [CCZ24] T. Tony Cai, Ran Chen, and Yuancheng Zhu. Estimation and inference for minimizer and minimum of convex functions: Optimality, adaptivity and uncertainty principles. *Annals of Statistics*, 52(1):392–411, February 2024. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-52/issue-1/Estimation-and-inference-for-minimizer-and-minimum-of-convex-functions/10.1214/24-AOS2355.full>.

Carpentier:2021:EME

- [CDRV21] Alexandra Carpentier, Sylvain Delattre, Etienne Roquain, and Nicolas Verzelen. Estimating minimum effect with outlier selection. *Annals of Statistics*, 49(1):272–294, February 2021.

CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-1/Estimating-minimum-effect-with-outlier-selection/10.1214/20-AOS1956.full>.

Cattaneo:2020:LSP

- [CFF20] Matias D. Cattaneo, Max H. Farrell, and Yingjie Feng. Large sample properties of partitioning-based series estimators. *Annals of Statistics*, 48(3):1718–1741, June 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-48/issue-3/Large-sample-properties-of-partitioning-based-series-estimators/10.1214/19-AOS1865.full>.

Celentano:2023:LCT

- [CFM23] Michael Celentano, Zhou Fan, and Song Mei. Local convexity of the TAP free energy and AMP convergence for. *Annals of Statistics*, 51(2):519–546, April 2023. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-51/issue-2/Local-convexity-of-the-TAP-free-energy-and-AMP-convergence/10.1214/23-AOS2257.full>.

Chen:2021:BCN

- [CFMY21] Yuxin Chen, Jianqing Fan, Cong Ma, and Yuling Yan. Bridging convex and nonconvex optimization in robust PCA: Noise, outliers and missing data. *Annals of Statistics*, 49(5):2948–2971, October 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-5/Bridging-convex-and-nonconvex-optimization-in-robust-PCA--Noise/10.1214/21-AOS2066.full>.

Chatelain:2020:IAC

- [CFN20] Simon Chatelain, Anne-Laure Fougères, and Johanna G. Neslehová. Inference for Archimax copulas. *Annals of Statistics*, 48(2):1025–1051, April 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/euclid.aos/1590480044>.

Camerlenghi:2021:ODR

- [CFNP21] Federico Camerlenghi, Stefano Favaro, Zacharie Naulet, and Francesca Panero. Optimal disclosure risk assessment. *An-*

nals of Statistics, 49(2):723–744, April 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-2/Optimal-disclosure-risk-assessment/10.1214/20-AOS1975.full>.

Chakraborty:2021:CCI

- [CG21a] Moumita Chakraborty and Subhashis Ghosal. Coverage of credible intervals in nonparametric monotone regression. *Annals of Statistics*, 49(2):1011–1028, April 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-2/Coverage-of-credible-intervals-in-nonparametric-monotone-regression/10.1214/20-AOS1989.full>.

Chatterjee:2021:AEM

- [CG21b] Sabyasachi Chatterjee and Subhajit Goswami. Adaptive estimation of multivariate piecewise polynomials and bounded variation functions by optimal decision trees. *Annals of Statistics*, 49(5):2531–2551, October 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-5/Adaptive-estimation-of-multivariate-piecewise-polynomials-and-bounded-variation-functions/10.1214/20-AOS2045.full>.

Comte:2020:NDE

- [CGC20] Fabienne Comte and Valentine Genon-Catalot. Nonparametric drift estimation for i.i.d. paths of stochastic differential equations. *Annals of Statistics*, 48(6):3336–3365, December 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-48/issue-6/Nonparametric-drift-estimation-for-iid-paths-of-stochastic-differential-equations/10.1214/19-AOS1933.full>.

Chronopoulos:2022:CBP

- [CGK22] Ilias Chronopoulos, Liudas Giraitis, and George Kapetanios. Choosing between persistent and stationary volatility. *Annals of Statistics*, 50(6):3466–3483, December 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-6/Choosing-between-persistent-and-stationary-volatility/10.1214/22-AOS2236.full>.

Chen:2022:OFR

- [CGZ22a] Pinhan Chen, Chao Gao, and Anderson Y. Zhang. Optimal full ranking from pairwise comparisons. *Annals of Statistics*, 50(3):1775–1805, June 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-3/Optimal-full-ranking-from-pairwise-comparisons/10.1214/22-AOS2175.full>.

Chen:2022:PRT

- [CGZ22b] Pinhan Chen, Chao Gao, and Anderson Y. Zhang. Partial recovery for top- k ranking: Optimality of MLE and SubOptimality of the spectral method. *Annals of Statistics*, 50(3):1618–1652, June 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-3/Partial-recovery-for-top-k-ranking--Optimality-of-MLE/10.1214/21-AOS2166.full>.

Chan:2020:MAB

- [Cha20] Hock Peng Chan. The multi-armed bandit problem: An efficient nonparametric solution. *Annals of Statistics*, 48(1):346–373, February 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/euclid.aos/1581930138>.

Chan:2022:GFT

- [Cha22a] Kin Wai Chan. General and feasible tests with multiply-imputed datasets. *Annals of Statistics*, 50(2):930–948, April 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-2/General-and-feasible-tests-with-multiply-imputed-datasets/10.1214/21-AOS2132.full>.

Chan:2022:ODB

- [Cha22b] Kin Wai Chan. Optimal difference-based variance estimators in time series: a general framework. *Annals of Statistics*, 50(3):1376–1400, June 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-3/Optimal-difference-based-variance-estimators-in-time-series--A/10.1214/21-AOS2154.full>.

Chen:2021:SMN

- [Che21] Louis H. Y. Chen. Stein’s method of normal approximation: Some recollections and reflections. *Annals of Statistics*, 49(4): 1850–1863, August 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-4/Steins-method-of-normal-approximation-Some-recollections-and-reflections/10.1214/21-AOS2083.full>.

Chen:2022:PGG

- [Che22] Yen-Chi Chen. Pattern graphs: a graphical approach to nonmonotone missing data. *Annals of Statistics*, 50(1):129–146, February 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-1/Pattern-graphs-A-graphical-approach-to-nonmonotone-missing-data/10.1214/21-AOS2094.full>.

Chetelat:2024:EIM

- [Ché24] Didier Chételat. Erratum: Improved multivariate normal mean estimation with unknown covariance when p is greater than n . *Annals of Statistics*, 52(1):412, February 2024. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-52/issue-1/Erratum--Improved-multivariate-normal-mean-estimation-with-unknown-covariance/10.1214/23-AOS2344.full>.

Chernozhukov:2021:LDI

- [CHHW21] Victor Chernozhukov, Wolfgang Karl Härdle, Chen Huang, and Weining Wang. LASSO-driven inference in time and space. *Annals of Statistics*, 49(3):1702–1735, June 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-3/LASSO-driven-inference-in-time-and-space/10.1214/20-AOS2019.full>.

Chang:2024:EDP

- [CHK⁺24] Jinyuan Chang, Qiao Hu, Eric D. Kolaczyk, Qiwei Yao, and Fengting Yi. Edge differentially private estimation in the β -model via jittering and method of moments. *Annals of Statistics*, 52(2):708–728, April 2024. CODEN ASTSC7. ISSN 0090-5364

(print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-52/issue-2/Edge-differentially-private-estimation-in-the-%ce%b2-model-via-jittering/10.1214/24-AOS2365.full>.

Chong:2024:SIR

- [CHL⁺24] Carsten H. Chong, Marc Hoffmann, Yanghui Liu, Mathieu Rosenbaum, and Grégoire Szymansky. Statistical inference for rough volatility: Minimax theory. *Annals of Statistics*, 52(4): 1277–1306, August 2024. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-52/issue-4/Statistical-inference-for-rough-volatility-Minimax-theory/10.1214/23-AOS2343.full>.

Chernozhukov:2023:ILR

- [CHLZ23] Victor Chernozhukov, Christian Hansen, Yuan Liao, and Yinchu Zhu. Inference for low-rank models. *Annals of Statistics*, 51(3):1309–1330, June 2023. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-51/issue-3/Inference-for-low-rank-models/10.1214/23-AOS2293.full>.

Chong:2020:HFA

- [Cho20] Carsten Chong. High-frequency analysis of parabolic stochastic PDEs. *Annals of Statistics*, 48(2):1143–1167, April 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/euclid.aos/1590480049>.

Cai:2020:LLD

- [CHP20] T. Tony Cai, Xiao Han, and Guangming Pan. Limiting laws for divergent spiked eigenvalues and largest nonspiked eigenvalue of sample covariance matrices. *Annals of Statistics*, 48(3):1255–1280, June 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-48/issue-3/Limiting-laws-for-divergent-spiked-eigenvalues-and-largest-nonspiked-eigenvalue/10.1214/18-AOS1798.full>.

Chen:2024:DEI

- [CJLZ24] Xi Chen, Wenbo Jing, Weidong Liu, and Yichen Zhang. Distributed estimation and inference for semiparametric binary response models. *Annals of Statistics*, 52(3):922–

947, June 2024. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-52/issue-3/Distributed-estimation-and-inference-for-semiparametric-binary-response-models/10.1214/24-AOS2376.full>.

Cattaneo:2024:BAI

- [CJN24] Matias D. Cattaneo, Michael Jansson, and Kenichi Nagasawa. Bootstrap-assisted inference for generalized grenander-type estimators. *Annals of Statistics*, 52(4):1509–1533, August 2024. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-52/issue-4/Bootstrap-assisted-inference-for-generalized-Grenander-type-estimators/10.1214/24-AOS2402.full>.

Chen:2024:DNS

- [CJQY24] YinFeng Chen, YuLing Jiao, Rui Qiu, and Zhou Yu. Deep nonlinear sufficient dimension reduction. *Annals of Statistics*, 52(3):1201–1226, June 2024. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-52/issue-3/Deep-nonlinear-sufficient-dimension-reduction/10.1214/24-AOS2390.full>.

Cai:2024:TLF

- [CKP24] T. Tony Cai, Dongwoo Kim, and Hongming Pu. Transfer learning for functional mean estimation: Phase transition and adaptive algorithms. *Annals of Statistics*, 52(2):654–678, April 2024. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-52/issue-2/Transfer-learning-for-functional-mean-estimation--Phase-transition-and/10.1214/24-AOS2362.full>.

Cheysson:2022:SEH

- [CL22] Felix Cheysson and Gabriel Lang. Spectral estimation of Hawkes processes from count data. *Annals of Statistics*, 50(3):1722–1746, June 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-3/Spectral-estimation-of-Hawkes-processes-from-count-data/10.1214/22-AOS2173.full>.

Chen:2024:RFL

- [CL24] Weilin Chen and Clifford Lam. Rank and factor loadings estimation in time series tensor factor model by pre-averaging. *Annals of Statistics*, 52(1):364–391, February 2024. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-52/issue-1/Rank-and-factor-loadings-estimation-in-time-series-tensor-factor/10.1214/23-AOS2350.full>.

Cai:2021:SEU

- [CLC⁺21a] Changxiao Cai, Gen Li, Yuejie Chi, H. Vincent Poor, and Yuxin Chen. Subspace estimation from unbalanced and incomplete data matrices: $\ell_{2,\infty}$ statistical guarantees. *Annals of Statistics*, 49(2):944–967, April 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-2/Subspace-estimation-from-unbalanced-and-incomplete-data-matrices--%e2%84%932/10.1214/20-AOS1986.full>.

Chetverikov:2021:CVL

- [CLC21b] Denis Chetverikov, Zhipeng Liao, and Victor Chernozhukov. On cross-validated Lasso in high dimensions. *Annals of Statistics*, 49(3):1300–1317, June 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-3/On-cross-validated-Lasso-in-high-dimensions/10.1214/20-AOS2000.full>.

Chen:2022:GIC

- [CLM22] Shuxiao Chen, Sifan Liu, and Zongming Ma. Global and individualized community detection in inhomogeneous multilayer networks. *Annals of Statistics*, 50(5):2664–2693, October 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-5/Global-and-individualized-community-detection-in-inhomogeneous-multilayer-networks/10.1214/22-AOS2202.full>.

Camerlenghi:2021:SAH

- [CLP21a] Federico Camerlenghi, Antonio Lijoi, and Igor Prünster. Survival analysis via hierarchically dependent mixture hazards. *Annals of Statistics*, 49(2):863–884, April 2021. CO-

DEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-2/Survival-analysis-via-hierarchically-dependent-mixture-hazards/10.1214/20-AOS1982.full>.

Catalano:2021:MDW

- [CLP21b] Marta Catalano, Antonio Lijoi, and Igor Prünster. Measuring dependence in the Wasserstein distance for Bayesian nonparametric models. *Annals of Statistics*, 49(5):2916–2947, October 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-5/Measuring-dependence-in-the-Wasserstein-distance-for-Bayesian-nonparametric-models/10.1214/21-AOS2065.full>.

Chen:2020:SIM

- [CLTZ20] Xi Chen, Jason D. Lee, Xin T. Tong, and Yichen Zhang. Statistical inference for model parameters in stochastic gradient descent. *Annals of Statistics*, 48(1):251–273, February 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/euclid.aos/1581930134>.

Chinot:2022:RMN

- [CLvdG22] Geoffrey Chinot, Matthias Löffler, and Sara van de Geer. On the robustness of minimum norm interpolators and regularized empirical risk minimizers. *Annals of Statistics*, 50(4):2306–2333, August 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-4/On-the-robustness-of-minimum-norm-interpolators-and-regularized-empirical/10.1214/22-AOS2190.full>.

Caponera:2021:ASF

- [CM21] Alessia Caponera and Domenico Marinucci. Asymptotics for spherical functional autoregressions. *Annals of Statistics*, 49(1):346–369, February 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-1/Asymptotics-for-spherical-functional-autoregressions/10.1214/20-AOS1959.full>.

Celentano:2022:FBH

- [CM22a] Michael Celentano and Andrea Montanari. Fundamental barriers to high-dimensional regression with convex penalties. *Annals of Statistics*, 50(1):170–196, February 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-1/Fundamental-barriers-to-high-dimensional-regression-with-convex-penalties/10.1214/21-AOS2100.full>.

Chen:2022:UCL

- [CM22b] Yaqing Chen and Hans-Georg Müller. Uniform convergence of local Fréchet regression with applications to locating extrema and time warping for metric space valued trajectories. *Annals of Statistics*, 50(3):1573–1592, June 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-3/Uniform-convergence-of-local-Fr%C3%A9chet-regression-with-applications-to-locating/10.1214/21-AOS2163.full>.

Celentano:2023:LGG

- [CMW23] Michael Celentano, Andrea Montanari, and Yuting Wei. The lasso with general Gaussian designs with applications to hypothesis testing. *Annals of Statistics*, 51(5):2194–2220, October 2023. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-51/issue-5/The-Lasso-with-general-Gaussian-designs-with-applications-to-hypothesis/10.1214/23-AOS2327.full>.

Chan:2021:OCP

- [CNY21] Ngai Hang Chan, Wai Leong Ng, Chun Yip Yau, and Haihan Yu. Optimal change-point estimation in time series. *Annals of Statistics*, 49(4):2336–2355, August 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-4/Optimal-change-point-estimation-in-time-series/10.1214/20-AOS2039.full>.

Cox:2020:ASU

- [Cox20] Gregory Cox. Almost sure uniqueness of a global minimum without convexity. *Annals of Statistics*, 48(1):584–606, Febru-

ary 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/euclid.aos/1581930148>.

Chandler:2021:MGF

- [CP21a] Gabriel Chandler and Wolfgang Polonik. Multiscale geometric feature extraction for high-dimensional and non-Euclidean data with applications. *Annals of Statistics*, 49(2):988–1010, April 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-2/Multiscale-geometric-feature-extraction-for-high-dimensional-and-non-Euclidean/10.1214/20-AOS1988.full>.

Chen:2021:DSI

- [CP21b] Song Xi Chen and Liuhua Peng. Distributed statistical inference for massive data. *Annals of Statistics*, 49(5):2851–2869, October 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-5/Distributed-statistical-inference-for-massive-data/10.1214/21-AOS2062.full>.

Cai:2022:SCA

- [CP22a] T. Tony Cai and Hongming Pu. Stochastic continuum-armed bandits with additive models: Minimax regrets and adaptive algorithm. *Annals of Statistics*, 50(4):2179–2204, August 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-4/Stochastic-continuum-armed-bandits-with-additive-models--Minimax-regrets/10.1214/22-AOS2182.full>.

Charkaborty:2022:TRC

- [CP22b] Anirvan Charkaborty and Victor M. Panaretos. Testing for the rank of a covariance operator. *Annals of Statistics*, 50(6):3510–3537, December 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-6/Testing-for-the-rank-of-a-covariance-operator/10.1214/22-AOS2238.full>.

Christgau:2023:NCL

- [CPH23] Alexander Mangulad Christgau, Lasse Petersen, and Niels Richard Hansen. Nonparametric conditional local independence testing. *Annals of Statistics*, 51(5):2116–2144, October 2023. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-51/issue-5/Nonparametric-conditional-local-independence-testing/10.1214/23-AOS2323.full>.

Chandrasekher:2023:SGC

- [CPT23] Kabir Aladin Chandrasekher, Ashwin Pananjady, and Christos Thrampoulidis. Sharp global convergence guarantees for iterative nonconvex optimization with random data. *Annals of Statistics*, 51(1):179–210, February 2023. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-51/issue-1/Sharp-global-convergence-guarantees-for-iterative-nonconvex-optimization-with-random/10.1214/22-AOS2246.full>.

Chen:2023:SOH

- [CQZ23] Song Xi Chen, Yumou Qiu, and Shuyi Zhang. Sharp optimality for high-dimensional covariance testing under sparse signals. *Annals of Statistics*, 51(5):1921–1945, October 2023. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-51/issue-5/Sharp-optimality-for-high-dimensional-covariance-testing-under-sparse-signals/10.1214/23-AOS2310.full>.

Castillo:2020:SSE

- [CR20] Ismaël Castillo and Étienne Roquain. On spike and slab empirical Bayes multiple testing. *Annals of Statistics*, 48(5):2548–2574, October 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-48/issue-5/On-spike-and-slab-empirical-Bayes-multiple-testing/10.1214/19-AOS1897.full>.

Castillo:2021:UQB

- [CR21] Ismaël Castillo and Veronika Rocková. Uncertainty quantification for Bayesian CART. *Annals of Statistics*, 49(6):3482–3509, December 2021. CODEN ASTSC7. ISSN 0090-5364

(print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-6/Uncertainty-quantification-for-Bayesian-CART/10.1214/21-AOS2093.full>.

Candes:2020:PTE

- [CS20] Emmanuel J. Candès and Pragma Sur. The phase transition for the existence of the maximum likelihood estimate in high-dimensional logistic regression. *Annals of Statistics*, 48(1):27–42, February 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/euclid.aos/1581930124>.

Chzhen:2022:MFQ

- [CS22] Evgenii Chzhen and Nicolas Schreuder. A minimax framework for quantifying risk-fairness trade-off in regression. *Annals of Statistics*, 50(4):2416–2442, August 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-4/A-minimax-framework-for-quantifying-risk-fairness-trade-off-in/10.1214/22-AOS2198.full>.

Chopin:2022:RSP

- [CSSV22] Nicolas Chopin, Sumeetpal S. Singh, Tomás Soto, and Matti Viola. On resampling schemes for particle filters with weakly informative observations. *Annals of Statistics*, 50(6):3197–3222, December 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-6/On-resampling-schemes-for-particle-filters-with-weakly-informative-observations/10.1214/22-AOS2222.full>.

Chen:2022:SOA

- [CT22] Guanzhou Chen and Boxin Tang. A study of orthogonal array-based designs under a broad class of space-filling criteria. *Annals of Statistics*, 50(5):2925–2949, October 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-5/A-study-of-orthogonal-array-based-designs-under-a-broad/10.1214/22-AOS2215.full>.

Castillo:2021:MBS

- [CvdP21] Ismaël Castillo and Stéphanie van der Pas. Multiscale Bayesian survival analysis. *Annals of Statistics*, 49(6):3559–3582, December 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-6/Multiscale-Bayesian-survival-analysis/10.1214/21-AOS2097.full>.

Chi:2022:APH

- [CVFL22] Chien-Ming Chi, Patrick Vossler, Yingying Fan, and Jinchi Lv. Asymptotic properties of high-dimensional random forests. *Annals of Statistics*, 50(6):3415–3438, December 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-6/Asymptotic-properties-of-high-dimensional-random-forests/10.1214/22-AOS2234.full>.

Cai:2020:SCL

- [CW20] T. Tony Cai and Yihong Wu. Statistical and computational limits for sparse matrix detection. *Annals of Statistics*, 48(3):1593–1614, June 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-48/issue-3/Statistical-and-computational-limits-for-sparse-matrix-detection/10.1214/19-AOS1860.full>.

Cai:2021:TLN

- [CW21] T. Tony Cai and Hongji Wei. Transfer learning for non-parametric classification: Minimax rate and adaptive classifier. *Annals of Statistics*, 49(1):100–128, February 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-1/Transfer-learning-for-nonparametric-classification--Minimax-rate-and-adaptive/10.1214/20-AOS1949.full>.

Cai:2022:DAG

- [CW22a] T. Tony Cai and Hongji Wei. Distributed adaptive Gaussian mean estimation with unknown variance: Interactive protocol helps adaptation. *Annals of Statistics*, 50(4):1992–2020, August 2022. CODEN ASTSC7. ISSN 0090-5364

(print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-4/Distributed-adaptive-Gaussian-mean-estimation-with-unknown-variance--Interactive/10.1214/21-AOS2167.full>.

Cai:2022:DNF

- [CW22b] T. Tony Cai and Hongji Wei. Distributed nonparametric function estimation: Optimal rate of convergence and cost of adaptation. *Annals of Statistics*, 50(2):698–725, April 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-2/Distributed-nonparametric-function-estimation--Optimal-rate-of-convergence-and/10.1214/21-AOS2124.full>.

Cai:2021:CPO

- [CWZ21] T. Tony Cai, Yichen Wang, and Linjun Zhang. The cost of privacy: Optimal rates of convergence for parameter estimation with differential privacy. *Annals of Statistics*, 49(5):2825–2850, October 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-5/The-cost-of-privacy--Optimal-rates-of-convergence-for/10.1214/21-AOS2058.full>.

Chen:2020:RIM

- [CZ20] Xi Chen and Wen-Xin Zhou. Robust inference via multiplier bootstrap. *Annals of Statistics*, 48(3):1665–1691, June 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-48/issue-3/Robust-inference-via-multiplier-bootstrap/10.1214/19-AOS1863.full>.

Cai:2021:COA

- [CZ21] T. Tony Cai and Linjun Zhang. A convex optimization approach to high-dimensional sparse quadratic discriminant analysis. *Annals of Statistics*, 49(3):1537–1568, June 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-3/A-convex-optimization-approach-to-high-dimensional-sparse-quadratic-discriminant/10.1214/20-AOS2012.full>.

delAlamo:2021:FCT

- [dÁLM21] Miguel del Álamo, Housen Li, and Axel Munk. Frame-constrained total variation regularization for white noise regression. *Annals of Statistics*, 49(3):1318–1346, June 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-3/Frame-constrained-total-variation-regularization-for-white-noise-regression/10.1214/20-AOS2001.full>.

Dau:2023:BSA

- [DC23] Hai-Dang Dau and Nicolas Chopin. On backward smoothing algorithms. *Annals of Statistics*, 51(5):2145–2169, October 2023. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-51/issue-5/On-backward-smoothing-algorithms/10.1214/23-AOS2324.full>.

Dubey:2024:MSE

- [DCM24] Paromita Dubey, Yaqing Chen, and Hans-Georg Müller. Metric statistics: Exploration and inference for random objects with distance profiles. *Annals of Statistics*, 52(2):757–792, April 2024. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-52/issue-2/Metric-statistics--Exploration-and-inference-for-random-objects-with/10.1214/24-AOS2368.full>.

DiBenedetto:2021:NRP

- [DCT21] Giuseppe Di Benedetto, François Caron, and Yee Whye Teh. Nonexchangeable random partition models for microclustering. *Annals of Statistics*, 49(4):1931–1957, August 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-4/Nonexchangeable-random-partition-models-for-microclustering/10.1214/20-AOS2003.full>.

Ding:2023:MRT

- [DD23] Jian Ding and Hang Du. Matching recovery threshold for correlated random graphs. *Annals of Statistics*, 51(4):1718–1743, August 2023. CODEN ASTSC7. ISSN 0090-5364

(print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-51/issue-4/Matching-recovery-threshold-for-correlated-random-graphs/10.1214/23-AOS2305.full>.

Dieuleveut:2020:BGB

- [DDB20] Aymeric Dieuleveut, Alain Durmus, and Francis Bach. Bridging the gap between constant step size stochastic gradient descent and Markov chains. *Annals of Statistics*, 48(3):1348–1382, June 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-48/issue-3/Bridging-the-gap-between-constant-step-size-stochastic-gradient-descent/10.1214/19-AOS1850.full>.

Davezies:2021:EPR

- [DDG21] Laurent Davezies, Xavier D’Haultfoeuille, and Yannick Guyonvarch. Empirical process results for exchangeable arrays. *Annals of Statistics*, 49(2):845–862, April 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-2/Empirical-process-results-for-exchangeable-arrays/10.1214/20-AOS1981.full>.

Davis:2024:ANO

- [DDJ24] Damek Davis, Dmitriy Drusvyatskiy, and Liwei Jiang. Asymptotic normality and optimality in nonsmooth stochastic approximation. *Annals of Statistics*, 52(4):1485–1508, August 2024. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-52/issue-4/Asymptotic-normality-and-optimality-in-nonsmooth-stochastic-approximation/10.1214/24-AOS2401.full>.

Daudel:2021:IDG

- [DDP21] Kamélia Daudel, Randal Douc, and François Portier. Infinite-dimensional gradient-based descent for alpha-divergence minimisation. *Annals of Statistics*, 49(4):2250–2270, August 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-4/Infinite-dimensional-gradient-based-descent-for-alpha-divergence-minimisation/10.1214/20-AOS2035.full>.

Dou:2024:REH

- [DFZ24] Zehao Dou, Zhou Fan, and Harrison H. Zhou. Rates of estimation for high-dimensional multireference alignment. *Annals of Statistics*, 52(1):261–284, February 2024. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-52/issue-1/Rates-of-estimation-for-high-dimensional-multireference-alignment/10.1214/23-AOS2346.full>.

DeCastro:2021:SSR

- [DGMMR21] Y. De Castro, S. Gadat, C. Marteau, and C. Maugis-Rabusseau. SuperMix: Sparse regularization for mixtures. *Annals of Statistics*, 49(3):1779–1809, June 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-3/SuperMix-Sparse-regularization-for-mixtures/10.1214/20-AOS2022.full>.

Donoho:2023:SEM

- [DGR23] David Donoho, Matan Gavish, and Elad Romanov. ScreeNOT: Exact MSE-optimal singular value thresholding in correlated noise. *Annals of Statistics*, 51(1):122–148, February 2023. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-51/issue-1/ScreeNOT--Exact-MSE-optimal-singular-value-thresholding-in-correlated/10.1214/22-AOS2232.full>.

Dudeja:2024:SCT

- [DH24] Rishabh Dudeja and Daniel Hsu. Statistical-computational trade-offs in tensor PCA and related problems via communication complexity. *Annals of Statistics*, 52(1):131–156, February 2024. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-52/issue-1/Statistical-computational-trade-offs-in-tensor-PCA-and-related-problems/10.1214/23-AOS2331.full>.

Dwivedi:2020:SMC

- [DHK⁺20] Raaz Dwivedi, Nhat Ho, Koulik Khamaru, Martin J. Wainwright, Michael I. Jordan, and Bin Yu. Singularity, misspecification and the convergence rate of EM. *Annals of Statistics*, 48(6):

3161–3182, December 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-48/issue-6/Singularity-misspecification-and-the-convergence-rate-of-EM/10.1214/19-AOS1924.full>.

Drton:2020:HDC

- [DHS20] Mathias Drton, Fang Han, and Hongjian Shi. High-dimensional consistent independence testing with maxima of rank correlations. *Annals of Statistics*, 48(6):3206–3227, December 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-48/issue-6/High-dimensional-consistent-independence-testing-with-maxima-of-rank-correlations/10.1214/19-AOS1926.full>.

Deng:2021:CIM

- [DHZ21] Hang Deng, Qiyang Han, and Cun-Hui Zhang. Confidence intervals for multiple isotonic regression and other monotone models. *Annals of Statistics*, 49(4):2021–2052, August 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-4/Confidence-intervals-for-multiple-isotonic-regression-and-other-monotone-models/10.1214/20-AOS2025.full>.

Duffy:2021:EIP

- [DK21] James A. Duffy and Ioannis Kasparis. Estimation and inference in the presence of fractional. *Annals of Statistics*, 49(2):1195–1217, April 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-2/Estimation-and-inference-in-the-presence-of-fractional-d1-2/10.1214/20-AOS1998.full>.

Donoho:2022:HCC

- [DK22] David L. Donoho and Alon Kipnis. Higher criticism to compare two large frequency tables, with sensitivity to possible rare and weak differences. *Annals of Statistics*, 50(3):1447–1472, June 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-3/Higher-criticism-to-compare-two-large-frequency-tables-with-sensitivity/10.1214/21-AOS2158.full>.

Dette:2020:FDA

- [DKA20] Holger Dette, Kevin Kokot, and Alexander Aue. Functional data analysis in the Banach space of continuous functions. *Annals of Statistics*, 48(2):1168–1192, April 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/euclid.aos/1590480050>.

Drton:2021:EUK

- [DKH21] Mathias Drton, Satoshi Kuriki, and Peter Hoff. Existence and uniqueness of the Kronecker covariance MLE. *Annals of Statistics*, 49(5):2721–2754, October 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-5/Existence-and-uniqueness-of-the-Kronecker-covariance-MLE/10.1214/21-AOS2052.full>.

Depersin:2022:RSG

- [DL22] Jules Depersin and Guillaume Lecué. Robust sub-Gaussian estimation of a mean vector in nearly linear time. *Annals of Statistics*, 50(1):511–536, February 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-1/Robust-sub-Gaussian-estimation-of-a-mean-vector-in-nearly/10.1214/21-AOS2118.full>.

Dobriban:2020:OPL

- [DLS20] Edgar Dobriban, William Leeb, and Amit Singer. Optimal prediction in the linearly transformed spiked model. *Annals of Statistics*, 48(1):491–513, February 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/euclid.aos/1581930144>.

Dette:2022:DAG

- [DLY22] Holger Dette, Xin Liu, and Rong-Xian Yue. Design admissibility and de la Garza phenomenon in multifactor experiments. *Annals of Statistics*, 50(3):1247–1265, June 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-3/Design-admissibility-and-de-la-Garza-phenomenon-in-multifactor-experiments/10.1214/21-AOS2147.full>.

Dubey:2020:FCP

- [DM20] Paromita Dubey and Hans-Georg Müller. Fréchet change-point detection. *Annals of Statistics*, 48(6):3312–3335, December 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-48/issue-6/Fr%c3%a9chet-change-point-detection/10.1214/19-AOS1930.full>.

Dalalyan:2022:AOR

- [DM22] Arnak S. Dalalyan and Arshak Minasyan. All-in-one robust estimator of the Gaussian mean. *Annals of Statistics*, 50(2):1193–1219, April 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-2/All-in-one-robust-estimator-of-the-Gaussian-mean/10.1214/21-AOS2145.full>.

Ding:2023:LLD

- [DM23] Xiucui Ding and Rong Ma. Learning low-dimensional nonlinear structures from high-dimensional noisy data: an integral operator approach. *Annals of Statistics*, 51(4):1744–1769, August 2023. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-51/issue-4/Learning-low-dimensional-nonlinear-structures-from-high-dimensional-noisy-data/10.1214/23-AOS2306.full>.

Dirksen:2022:CEU

- [DMR22] Sjoerd Dirksen, Johannes Maly, and Holger Rauhut. Covariance estimation under one-bit quantization. *Annals of Statistics*, 50(6):3538–3562, December 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-6/Covariance-estimation-under-one-bit-quantization/10.1214/22-AOS2239.full>.

Durmus:2020:IGE

- [DMS20] Alain Durmus, Éric Moulines, and Eero Saksman. Irreducibility and geometric ergodicity of Hamiltonian Monte Carlo. *Annals of Statistics*, 48(6):3545–3564, December 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-48/issue-6/Irreducibility-and-geometric-ergodicity-of-Hamiltonian-Monte-Carlo/10.1214/20-AOS1930.full>.

of-statistics/volume-48/issue-6/Irreducibility-and-geometric-ergodicity-of-Hamiltonian-Monte-Carlo/10.1214/19-AOS1941.full.

Duchi:2021:LMU

- [DN21] John C. Duchi and Hongseok Namkoong. Learning models with uniform performance via distributionally robust optimization. *Annals of Statistics*, 49(3):1378–1406, June 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-3/Learning-models-with-uniform-performance-via-distributionally-robust-optimization/10.1214/20-AOS2004.full>.

Dobriban:2020:PMF

- [Dob20] Edgar Dobriban. Permutation methods for factor analysis and PCA. *Annals of Statistics*, 48(5):2824–2847, October 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-48/issue-5/Permutation-methods-for-factor-analysis-and-PCA/10.1214/19-AOS1907.full>.

Dobriban:2022:CIB

- [Dob22] Edgar Dobriban. Consistency of invariance-based randomization tests. *Annals of Statistics*, 50(4):2443–2466, August 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-4/Consistency-of-invariance-based-randomization-tests/10.1214/22-AOS2200.full>.

Delyon:2021:SAI

- [DP21] Bernard Delyon and François Portier. Safe adaptive importance sampling: a mixture approach. *Annals of Statistics*, 49(2):885–917, April 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-2/Safe-adaptive-importance-sampling-A-mixture-approach/10.1214/20-AOS1983.full>.

Durre:2022:AEI

- [DP22] Alexander Dürre and Davy Paindaveine. Affine-equivariant inference for multivariate location under. *Annals of Statistics*, 50(5):2616–2640, October 2022. CODEN ASTSC7. ISSN 0090-5364

(print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-5/Affine-equivariant-inference-for-multivariate-location-under-Lp-loss-functions/10.1214/22-AOS2199.full>.

Ding:2020:DSA

- [DQW20] Shanshan Ding, Wei Qian, and Lan Wang. Double-slicing assisted sufficient dimension reduction for high-dimensional censored data. *Annals of Statistics*, 48(4):2132–2154, August 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-48/issue-4/Double-slicing-assisted-sufficient-dimension-reduction-for-high-dimensional-censored/10.1214/19-AOS1880.full>.

Duanmu:2021:EAP

- [DR21a] Haosui Duanmu and Daniel M. Roy. On extended admissible procedures and their nonstandard Bayes risk. *Annals of Statistics*, 49(4):2053–2078, August 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-4/On-extended-admissible-procedures-and-their-nonstandard-Bayes-risk/10.1214/20-AOS2026.full>.

Duchi:2021:AOS

- [DR21b] John C. Duchi and Feng Ruan. Asymptotic optimality in stochastic optimization. *Annals of Statistics*, 49(1):21–48, February 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-1/Asymptotic-optimality-in-stochastic-optimization/10.1214/19-AOS1831.full>.

Duchi:2024:RCM

- [DR24] John C. Duchi and Feng Ruan. The right complexity measure in locally private estimation: It is not the Fisher information. *Annals of Statistics*, 52(1):1–51, February 2024. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-52/issue-1/The-right-complexity-measure-in-locally-private-estimation--It/10.1214/22-AOS2227.full>.

deChaumaray:2021:WTS

- [dRdCMP21] Marie du Roy de Chaumaray, Matthieu Marbac, and Valentin Patilea. Wilks' theorem for semiparametric regressions with weakly dependent data. *Annals of Statistics*, 49(6):3228–3254, December 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-6/Wilks-theorem-for-semiparametric-regressions-with-weakly-dependent-data/10.1214/21-AOS2081.full>.

Drees:2023:SIC

- [Dre23] Holger Drees. Statistical inference on a changing extreme value dependence structure. *Annals of Statistics*, 51(4):1824–1849, August 2023. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-51/issue-4/Statistical-inference-on-a-changing-extreme-value-dependence-structure/10.1214/23-AOS2314.full>.

Donnet:2020:NBE

- [DRR20] Sophie Donnet, Vincent Rivoirard, and Judith Rousseau. Nonparametric Bayesian estimation for multivariate Hawkes processes. *Annals of Statistics*, 48(5):2698–2727, October 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-48/issue-5/Nonparametric-Bayesian-estimation-for-multivariate-Hawkes-processes/10.1214/19-AOS1903.full>.

Dobriban:2021:DLR

- [DS21] Edgar Dobriban and Yue Sheng. Distributed linear regression by averaging. *Annals of Statistics*, 49(2):918–943, April 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-2/Distributed-linear-regression-by-averaging/10.1214/20-AOS1984.full>.

Derumigny:2023:LBB

- [DSH23] Alexis Derumigny and Johannes Schmidt-Hieber. On lower bounds for the bias-variance trade-off. *Annals of Statistics*, 51(4):1510–1533, August 2023. CODEN ASTSC7. ISSN 0090-5364

(print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-51/issue-4/On-lower-bounds-for-the-bias-variance-trade-off/10.1214/23-AOS2279.full>.

Daouia:2023:IER

- [DSUC23] Abdelaati Daouia, Gilles Stupfler, and Antoine Usseglio-Carleve. Inference for extremal regression with dependent heavy-tailed data. *Annals of Statistics*, 51(5):2040–2066, October 2023. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-51/issue-5/Inference-for-extremal-regression-with-dependent-heavy-tailed-data/10.1214/23-AOS2320.full>.

Duan:2023:ARM

- [DW23a] Yaqi Duan and Kaizheng Wang. Adaptive and robust multi-task learning. *Annals of Statistics*, 51(5):2015–2039, October 2023. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-51/issue-5/Adaptive-and-robust-multi-task-learning/10.1214/23-AOS2319.full>.

Dumbgen:2023:NAT

- [DW23b] Lutz Dümbgen and Jon A. Wellner. A new approach to tests and confidence bands for distribution functions. *Annals of Statistics*, 51(1):260–289, February 2023. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-51/issue-1/A-new-approach-to-tests-and-confidence-bands-for-distribution/10.1214/22-AOS2249.full>.

Doss:2024:NDR

- [DWW⁺24] Charles R. Doss, Guangwei Weng, Lan Wang, Ira Moscovice, and Tongtan Chantarat. A nonparametric doubly robust test for a continuous treatment effect. *Annals of Statistics*, 52(4):1592–1615, August 2024. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-52/issue-4/A-nonparametric-doubly-robust-test-for-a-continuous-treatment-effect/10.1214/24-AOS2405.full>.

Doss:2023:OEH

- [DWYZ23] Natalie Doss, Yihong Wu, Pengkun Yang, and Harrison H. Zhou. Optimal estimation of high-dimensional Gaussian location mixtures. *Annals of Statistics*, 51(1):62–95, February 2023. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-51/issue-1/Optimal-estimation-of-high-dimensional-Gaussian-location-mixtures/10.1214/22-AOS2207.full>.

Ding:2021:SSC

- [DY21] Xiucan Ding and Fan Yang. Spiked separable covariance matrices and principal components. *Annals of Statistics*, 49(2):1113–1138, April 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-2/Spiked-separable-covariance-matrices-and-principal-components/10.1214/20-AOS1995.full>.

Deng:2020:BGA

- [DZ20a] Hang Deng and Cun-Hui Zhang. Beyond Gaussian approximation: Bootstrap for maxima of sums of independent random vectors. *Annals of Statistics*, 48(6):3643–3671, December 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-48/issue-6/Beyond-Gaussian-approximation--Bootstrap-for-maxima-of-sums-of/10.1214/20-AOS1946.full>.

Deng:2020:IRM

- [DZ20b] Hang Deng and Cun-Hui Zhang. Isotonic regression in multi-dimensional spaces and graphs. *Annals of Statistics*, 48(6):3672–3698, December 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-48/issue-6/Isotonic-regression-in-multi-dimensional-spaces-and-graphs/10.1214/20-AOS1947.full>.

Ding:2020:EIP

- [DZ20c] Xiucan Ding and Zhou Zhou. Estimation and inference for precision matrices of nonstationary time series. *Annals of Statistics*, 48(4):2455–2477, August 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (elec-

tronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-48/issue-4/Estimation-and-inference-for-precision-matrices-of-nonstationary-time-series/10.1214/19-AOS1894.full>.

Ding:2023:AAN

- [DZ23] Xiucui Ding and Zhou Zhou. AutoRegressive approximations to nonstationary time series with inference and applications. *Annals of Statistics*, 51(3):1207–1231, June 2023. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-51/issue-3/AutoRegressive-approximations-to-nonstationary-time-series-with-inference-and-applications/10.1214/23-AOS2288.full>.

Ding:2024:HDC

- [DZ24] Yi Ding and Xinghua Zheng. High-dimensional covariance matrices under dynamic volatility models: Asymptotics and shrinkage estimation. *Annals of Statistics*, 52(3):1027–1049, June 2024. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-52/issue-3/High-dimensional-covariance-matrices-under-dynamic-volatility-models--Asymptotics/10.1214/24-AOS2381.full>.

Ekvall:2022:CRN

- [EB22] Karl Oskar Ekvall and Matteo Bottai. Confidence regions near singular information and boundary points with applications to mixed models. *Annals of Statistics*, 50(3):1806–1832, June 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-3/Confidence-regions-near-singular-information-and-boundary-points-with-applications/10.1214/22-AOS2177.full>.

Einmahl:2022:SDS

- [EFdH⁺22] John H. J. Einmahl, Ana Ferreira, Laurens de Haan, Cláudia Neves, and Chen Zhou. Spatial dependence and space-time trend in extreme events. *Annals of Statistics*, 50(1):30–52, February 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-1/Spatial-dependence-and-spacetime-trend-in-extreme-events/10.1214/21-AOS2067.full>.

Efromovich:2021:SMD

- [Efr21] Sam Efromovich. Sharp minimax distribution estimation for current status censoring with or without missing. *Annals of Statistics*, 49(1):568–589, February 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-1/Sharp-minimax-distribution-estimation-for-current-status-censoring-with-or/10.1214/20-AOS1970.full>.

Efromovich:2022:NBD

- [Efr22] Sam Efromovich. Nonparametric bivariate density estimation for censored lifetimes. *Annals of Statistics*, 50(5):2767–2792, October 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-5/Nonparametric-bivariate-density-estimation-for-censored-lifetimes/10.1214/22-AOS2209.full>.

Eaton:2021:CSI

- [EG21] Morris L. Eaton and Edward I. George. Charles Stein and invariance: Beginning with the Hunt–Stein theorem. *Annals of Statistics*, 49(4):1815–1822, August 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-4/Charles-Stein-and-invariance-Beginning-with-the-HuntStein-theorem/10.1214/21-AOS2075.full>.

Einmahl:2023:EVI

- [EH23] John H. J. Einmahl and Yi He. Extreme value inference for heterogeneous power law data. *Annals of Statistics*, 51(3):1331–1356, June 2023. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-51/issue-3/Extreme-value-inference-for-heterogeneous-power-law-data/10.1214/23-AOS2294.full>.

Ekvall:2020:CML

- [EJ20] Karl Oskar Ekvall and Galin L. Jones. Consistent maximum likelihood estimation using subsets with applications to multivariate mixed models. *Annals of Statistics*, 48(2):932–952, April 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic).

(electronic). URL <https://projecteuclid.org/euclid.aos/1590480040>.

ElAlaoui:2020:FLD

- [EKJ20] Ahmed El Alaoui, Florent Krzakala, and Michael Jordan. Fundamental limits of detection in the spiked Wigner model. *Annals of Statistics*, 48(2):863–885, April 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/euclid.aos/1590480037>.

Edelmann:2020:DSD

- [ERV20] Dominic Edelmann, Donald Richards, and Daniel Vogel. The distance standard deviation. *Annals of Statistics*, 48(6):3395–3416, December 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-48/issue-6/The-distance-standard-deviation/10.1214/19-AOS1935.full>.

Einmahl:2021:ETC

- [ES21] John H. J. Einmahl and Johan Segers. Empirical tail copulas for functional data. *Annals of Statistics*, 49(5):2672–2696, October 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-5/Empirical-tail-copulas-for-functional-data/10.1214/21-AOS2050.full>.

Evans:2020:MSL

- [Eva20] Robin J. Evans. Model selection and local geometry. *Annals of Statistics*, 48(6):3513–3544, December 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-48/issue-6/Model-selection-and-local-geometry/10.1214/19-AOS1940.full>.

Fan:2022:AMP

- [Fan22] Zhou Fan. Approximate Message Passing algorithms for rotationally invariant matrices. *Annals of Statistics*, 50(1):197–224, February 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-1/Approximate-Message-Passing-algorithms-for-rotationally-invariant-matrices/10.1214/21-AOS2101.full>.

Feng:2021:AML

- [FGKS21] Oliver Y. Feng, Adityanand Guntuboyina, Arlene K. H. Kim, and Richard J. Samworth. Adaptation in multivariate log-concave density estimation. *Annals of Statistics*, 49(1):129–153, February 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-1/Adaptation-in-multivariate-log-concave-density-estimation/10.1214/20-AOS1950.full>.

Fathi:2022:RGA

- [FGRS22] Max Fathi, Larry Goldstein, Gesine Reinert, and Adrien Saumard. Relaxing the Gaussian assumption in shrinkage and SURE in high dimension. *Annals of Statistics*, 50(5):2737–2766, October 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-5/Relaxing-the-Gaussian-assumption-in-shrinkage-and-SURE-in-high/10.1214/22-AOS2208.full>.

Fang:2021:MEI

- [FGS21a] Billy Fang, Adityanand Guntuboyina, and Bodhisattva Sen. Multivariate extensions of isotonic regression and total variation denoising via entire monotonicity and Hardy–Krause variation. *Annals of Statistics*, 49(2):769–792, April 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-2/Multivariate-extensions-of-isotonic-regression-and-total-variation-denoising-via/10.1214/20-AOS1977.full>.

Freise:2021:AWA

- [FGS21b] Fritjof Freise, Norbert Gaffke, and Rainer Schwabe. The adaptive Wynn algorithm in generalized linear models with univariate response. *Annals of Statistics*, 49(2):702–722, April 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-2/The-adaptive-Wynn-algorithm-in-generalized-linear-models-with-univariate/10.1214/20-AOS1974.full>.

Fan:2024:HDN

- [FGZ24] Jianqing Fan, Yihong Gu, and Wen-Xin Zhou. How do noise tails impact on deep ReLU networks? *Annals of Statistics*, 52(4):1845–1871, August 2024. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-52/issue-4/How-do-noise-tails-impact-on-deep-ReLU-networks/10.1214/24-AOS2428.full>.

Feng:2022:MST

- [FJLX22] Long Feng, Tiefeng Jiang, Binghui Liu, and Wei Xiong. Max-sum tests for cross-sectional independence of high-dimensional panel data. *Annals of Statistics*, 50(2):1124–1143, April 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-2/Max-sum-tests-for-cross-sectional-independence-of-high-dimensional/10.1214/21-AOS2142.full>.

Fithian:2022:CCF

- [FL22] William Fithian and Lihua Lei. Conditional calibration for false discovery rate control under dependence. *Annals of Statistics*, 50(6):3091–3118, December 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-6/Conditional-calibration-for-false-discovery-rate-control-under-dependence/10.1214/21-AOS2137.full>.

Fang:2020:SEC

- [FLS20] Xiao Fang, Jian Li, and David Siegmund. Segmentation and estimation of change-point models: False positive control and confidence regions. *Annals of Statistics*, 48(3):1615–1647, June 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-48/issue-3/Segmentation-and-estimation-of-change-point-models--False-positive/10.1214/19-AOS1861.full>.

Fan:2024:MLH

- [FLS⁺24] Zhou Fan, Roy R. Lederman, Yi Sun, Tianhao Wang, and Sheng Xu. Maximum likelihood for high-noise group orbit estimation and single-particle cryo-EM. *Annals of Statistics*, 52

(1):52–77, February 2024. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-52/issue-1/Maximum-likelihood-for-high-noise-group-orbit-estimation-and-single/10.1214/23-AOS2292.full>.

Fan:2023:RHD

[FLY23] Jianqing Fan, Zhipeng Lou, and Mengxin Yu. Robust high-dimensional tuning free multiple testing. *Annals of Statistics*, 51(5):2093–2115, October 2023. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-51/issue-5/Robust-high-dimensional-tuning-free-multiple-testing/10.1214/23-AOS2322.full>.

Fan:2023:BFS

[FMM23] Jianqing Fan, Ricardo P. Masini, and Marcelo C. Medeiros. Bridging factor and sparse models. *Annals of Statistics*, 51(4):1692–1717, August 2023. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-51/issue-4/Bridging-factor-and-sparse-models/10.1214/23-AOS2304.full>.

Fang:2020:TSH

[FNL20] Ethan X. Fang, Yang Ning, and Runze Li. Test of significance for high-dimensional longitudinal data. *Annals of Statistics*, 48(5):2622–2645, October 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-48/issue-5/Test-of-significance-for-high-dimensional-longitudinal-data/10.1214/19-AOS1900.full>.

Feng:2022:NME

[FNZ22] Huijie Feng, Yang Ning, and Jiwei Zhao. Nonregular and minimax estimation of individualized thresholds in high dimension with binary responses. *Annals of Statistics*, 50(4):2284–2305, August 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-4/Nonregular-and-minimax-estimation-of-individualized-thresholds-in-high-dimension/10.1214/22-AOS2188.full>.

Fischer:2024:OCP

- [FRB24] Lasse Fischer, Marta Bofill Roig, and Werner Brannath. The online closure principle. *Annals of Statistics*, 52(2):817–841, April 2024. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-52/issue-2/The-online-closure-principle/10.1214/24-AOS2370.full>.

Fisher:2021:WVZ

- [FS21] Nicholas I. Fisher and Adrian F. M. Smith. Willem van Zwet’s contributions to the profession. *Annals of Statistics*, 49(5):2432–2438, October 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-5/Willem-van-Zwets-contributions-to-the-profession/10.1214/21-AOS2053.full>.

Foster:2023:OSL

- [FS23] Dylan J. Foster and Vasilis Syrgkanis. Orthogonal statistical learning. *Annals of Statistics*, 51(3):879–908, June 2023. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-51/issue-3/Orthogonal-statistical-learning/10.1214/23-AOS2258.full>.

Fan:2021:PCL

- [FSW21] Zhou Fan, Yi Sun, and Zhichao Wang. Principal components in linear mixed models with general bulk. *Annals of Statistics*, 49(3):1489–1513, June 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-3/Principal-components-in-linear-mixed-models-with-general-bulk/10.1214/20-AOS2010.full>.

Finke:2023:CSM

- [FT23] Axel Finke and Alexandre H. Thiery. Conditional sequential Monte Carlo in high dimensions. *Annals of Statistics*, 51(2):437–463, April 2023. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-51/issue-2/Conditional-sequential-Monte-Carlo-in-high-dimensions/10.1214/22-AOS2252.full>.

Fan:2021:SPH

- [FWZ21] Jianqing Fan, Weichen Wang, and Ziwei Zhu. A shrinkage principle for heavy-tailed data: High-dimensional robust low-rank matrix recovery. *Annals of Statistics*, 49(3):1239–1266, June 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-3/A-shrinkage-principle-for-heavy-tailed-data--High-dimensional/10.1214/20-AOS1980.full>.

Fujiwara:2023:EEL

- [FY23] Akio Fujiwara and Koichi Yamagata. Efficiency of estimators for locally asymptotically normal quantum statistical models. *Annals of Statistics*, 51(3):1159–1182, June 2023. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-51/issue-3/Efficiency-of-estimators-for-locally-asymptotically-normal-quantum-statistical-models/10.1214/23-AOS2285.full>.

Fissler:2016:HOE

- [FZ16] Tobias Fissler and Johanna F. Ziegel. Higher order elicibility and Osband’s principle. *Annals of Statistics*, 44(4):1680–1707, August 2016. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <http://projecteuclid.org/euclid.aos/1467894712>. See correction [FZ21].

Fissler:2021:CNH

- [FZ21] Tobias Fissler and Johanna F. Ziegel. Correction note: Higher order elicibility and Osband’s principle. *Annals of Statistics*, 49(1):614, February 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-1/Correction-note-Higher-order-elicibility-and-Osbands-principle/10.1214/20-AOS2014.full>. See [FZ16].

Fauss:2020:MOS

- [FZP20] Michael Fauß, Abdelhak M. Zoubir, and H. Vincent Poor. Minimax optimal sequential hypothesis tests for Markov processes. *Annals of Statistics*, 48(5):2599–2621, October 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals->

of-statistics/volume-48/issue-5/Minimax-optimal-sequential-hypothesis-tests-for-Markov-processes/10.1214/19-AOS1899.full.

Guo:2022:DDL

- [GĆB22] Zijian Guo, Domagoj Ćevd, and Peter Bühlmann. Doubly debiased lasso: High-dimensional inference under hidden confounding. *Annals of Statistics*, 50(3):1320–1347, June 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-3/Doubly-debiased-lasso-High-dimensional-inference-under-hidden-confounding/10.1214/21-AOS2152.full>.

Gerhardus:2024:CCA

- [Ger24] Andreas Gerhardus. Characterization of causal ancestral graphs for time series with latent confounders. *Annals of Statistics*, 52(1):103–130, February 2024. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-52/issue-1/Characterization-of-causal-ancestral-graphs-for-time-series-with-latent/10.1214/23-AOS2325.full>.

Gao:2021:ADH

- [GFLS21] Lan Gao, Yingying Fan, Jinchi Lv, and Qi-Man Shao. Asymptotic distributions of high-dimensional distance correlation inference. *Annals of Statistics*, 49(4):1999–2020, August 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-4/Asymptotic-distributions-of-high-dimensional-distance-correlation-inference/10.1214/20-AOS2024.full>.

Ghoshdastidar:2020:TSH

- [GGCvL20] Debarghya Ghoshdastidar, Maurilio Gutzeit, Alexandra Carpentier, and Ulrike von Luxburg. Two-sample hypothesis testing for inhomogeneous random graphs. *Annals of Statistics*, 48(4):2208–2229, August 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-48/issue-4/Two-sample-hypothesis-testing-for-inhomogeneous-random-graphs/10.1214/19-AOS1884.full>.

Gerber:2021:OIM

- [GH21] Mathieu Gerber and Kari Heine. Online inference with multi-modal likelihood functions. *Annals of Statistics*, 49(6):3103–3126, December 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-6/Online-inference-with-multi-modal-likelihood-functions/10.1214/21-AOS2076.full>.

Ghosh:2022:BLS

- [GHO22] Swarnadip Ghosh, Trevor Hastie, and Art B. Owen. Backfitting for large scale crossed random effects regressions. *Annals of Statistics*, 50(1):560–583, February 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-1/Backfitting-for-large-scale-crossed-random-effects-regressions/10.1214/21-AOS2121.full>.

Goeman:2021:OCT

- [GHS21] Jelle J. Goeman, Jesse Hemerik, and Aldo Solari. Only closed testing procedures are admissible for controlling false discovery proportions. *Annals of Statistics*, 49(2):1218–1238, April 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-2/Only-closed-testing-procedures-are-admissible-for-controlling-false-discovery/10.1214/20-AOS1999.full>.

Gao:2020:EIP

- [GHZ20] Chao Gao, Fang Han, and Cun-Hui Zhang. On estimation of isotonic piecewise constant signals. *Annals of Statistics*, 48(2):629–654, April 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/euclid.aos/1590480028>.

Graczyk:2022:MSS

- [GIKM22] Piotr Graczyk, Hideyuki Ishi, Bartosz Kołodziejek, and Hélène Massam. Model selection in the space of Gaussian models invariant by symmetry. *Annals of Statistics*, 50(3):1747–1774, June 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-3/>

Model-selection-in-the-space-of-Gaussian-models-invariant-
by/10.1214/22-AOS2174.full.

Ghosh:2021:SSC

- [GKM21] Satyajit Ghosh, Kshitij Khare, and George Michailidis. Strong selection consistency of Bayesian vector autoregressive models based on a pseudo-likelihood approach. *Annals of Statistics*, 49(3):1267–1299, June 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-3/Strong-selection-consistency-of-Bayesian-vector-autoregressive-models-based-on/10.1214/20-AOS1992.full>.

Goto:2022:ICS

- [GKV⁺22] Yuichi Goto, Tobias Kley, Ria Van Hecke, Stanislav Volgushev, Holger Dette, and Marc Hallin. The integrated copula spectrum. *Annals of Statistics*, 50(6):3563–3591, December 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-6/The-integrated-copula-spectrum/10.1214/22-AOS2240.full>.

Guntuboyina:2020:ARB

- [GLCS20] Adityanand Guntuboyina, Donovan Lieu, Sabyasachi Chatterjee, and Bodhisattva Sen. Adaptive risk bounds in univariate total variation denoising and trend filtering. *Annals of Statistics*, 48(1):205–229, February 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/euclid.aos/1581930132>.

Gassiat:2022:DUN

- [GLL22] Élisabeth Gassiat, Sylvain Le Corff, and Luc Lehericy. Deconvolution with unknown noise distribution is possible for multivariate signals. *Annals of Statistics*, 50(1):303–323, February 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-1/Deconvolution-with-unknown-noise-distribution-is-possible-for-multivariate-signals/10.1214/21-AOS2106.full>.

Goes:2020:RSC

- [GLN20] John Goes, Gilad Lerman, and Boaz Nadler. Robust sparse covariance estimation by thresholding Tyler’s M -estimator. *Annals*

of *Statistics*, 48(1):86–110, February 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/euclid.aos/1581930127>.

Giordano:2020:GVS

- [GLP20] Francesco Giordano, Soumendra Nath Lahiri, and Maria Lucia Parrella. GRID: A variable selection and structure discovery method for high dimensional nonparametric regression. *Annals of Statistics*, 48(3):1848–1874, June 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-48/issue-3/GRID--A-variable-selection-and-structure-discovery-method-for/10.1214/19-AOS1846.full>.

Ghosal:2020:JEP

- [GM20] Promit Ghosal and Sumit Mukherjee. Joint estimation of parameters in Ising model. *Annals of Statistics*, 48(2):785–810, April 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/euclid.aos/1590480034>.

Gao:2022:TEC

- [GM22] Chao Gao and Zongming Ma. Testing equivalence of clustering. *Annals of Statistics*, 50(1):407–429, February 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-1/Testing-equivalence-of-clustering/10.1214/21-AOS2113.full>.

Ghorbani:2021:LTL

- [GMMM21] Behrooz Ghorbani, Song Mei, Theodor Misiakiewicz, and Andrea Montanari. Linearized two-layers neural networks in high dimension. *Annals of Statistics*, 49(2):1029–1054, April 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-2/Linearized-two-layers-neural-networks-in-high-dimension/10.1214/20-AOS1990.full>.

Gnecco:2021:CDH

- [GMPE21] Nicola Gnecco, Nicolai Meinshausen, Jonas Peters, and Sebastian Engelke. Causal discovery in heavy-tailed models. *Annals of Statistics*, 49(3):1755–1778, June 2021. CO-

DEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-3/Causal-discovery-in-heavy-tailed-models/10.1214/20-AOS2021.full>.

Gregory:2021:SIS

- [GMW21] Karl Gregory, Enno Mammen, and Martin Wahl. Statistical inference in sparse high-dimensional additive models. *Annals of Statistics*, 49(3):1514–1536, June 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-3/Statistical-inference-in-sparse-high-dimensional-additive-models/10.1214/20-AOS2011.full>.

Goodman:2022:AAS

- [Goo22] Jesse Goodman. Asymptotic accuracy of the saddlepoint approximation for maximum likelihood estimation. *Annals of Statistics*, 50(4):2021–2046, August 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-4/Asymptotic-accuracy-of-the-saddlepoint-approximation-for-maximum-likelihood-estimation/10.1214/22-AOS2169.full>.

Giordano:2022:NBI

- [GR22] Matteo Giordano and Kolyan Ray. Nonparametric Bayesian inference for reversible multidimensional diffusions. *Annals of Statistics*, 50(5):2872–2898, October 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-5/Nonparametric-Bayesian-inference-for-reversible-multidimensional-diffusions/10.1214/22-AOS2213.full>.

Ghosal:2022:MRQ

- [GS22] Promit Ghosal and Bodhisattva Sen. Multivariate ranks and quantiles using optimal transport: Consistency, rates and nonparametric testing. *Annals of Statistics*, 50(2):1012–1037, April 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-2/Multivariate-ranks-and-quantiles-using-optimal-transport--Consistency-rates/10.1214/21-AOS2136.full>.

Gao:2022:RCT

- [GSS22] Lan Gao, Qi-Man Shao, and Jiasheng Shi. Refined Cramér-type moderate deviation theorems for general self-normalized sums with applications to dependent random variables and winsorized mean. *Annals of Statistics*, 50(2):673–697, April 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-2/Refined-Cram%C3%A9r-type-moderate-deviation-theorems-for-general-self-normalized/10.1214/21-AOS2122.full>.

Girard:2021:ECE

- [GSUC21] Stéphane Girard, Gilles Stupfler, and Antoine Usseglio-Carleve. Extreme conditional expectile estimation in heavy-tailed heteroscedastic regression models. *Annals of Statistics*, 49(6):3358–3382, December 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-6/Extreme-conditional-expectile-estimation-in-heavy-tailed-heteroscedastic-regression-models/10.1214/21-AOS2087.full>.

Gao:2020:GFB

- [GvdVZ20] Chao Gao, Aad W. van der Vaart, and Harrison H. Zhou. A general framework for Bayes structured linear models. *Annals of Statistics*, 48(5):2848–2878, October 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-48/issue-5/A-general-framework-for-Bayes-structured-linear-models/10.1214/19-AOS1909.full>.

Gao:2022:TST

- [GW22] Fengnan Gao and Tengyao Wang. Two-sample testing of high-dimensional linear regression coefficients via complementary sketching. *Annals of Statistics*, 50(5):2950–2972, October 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-5/Two-sample-testing-of-high-dimensional-linear-regression-coefficients-via/10.1214/22-AOS2216.full>.

Gu:2020:PIR

- [GX20] Yuqi Gu and Gongjun Xu. Partial identifiability of restricted latent class models. *Annals of Statistics*, 48(4):2082–2107, August 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-48/issue-4/Partial-identifiability-of-restricted-latent-class-models/10.1214/19-AOS1878.full>.

Gamarnik:2022:SHD

- [GZ22a] David Gamarnik and Ilias Zadik. Sparse high-dimensional linear regression. estimating squared error and a phase transition. *Annals of Statistics*, 50(2):880–903, April 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-2/Sparse-high-dimensional-linear-regression-Estimating-squared-error-and-a/10.1214/21-AOS2130.full>.

Gao:2022:IAD

- [GZ22b] Chao Gao and Anderson Y. Zhang. Iterative algorithm for discrete structure recovery. *Annals of Statistics*, 50(2):1066–1094, April 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-2/Iterative-algorithm-for-discrete-structure-recovery/10.1214/21-AOS2140.full>.

Han:2021:SSG

- [Han21] Qiyang Han. Set structured global empirical risk minimizers are rate optimal in general dimensions. *Annals of Statistics*, 49(5):2642–2671, October 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-5/Set-structured-global-empirical-risk-minimizers-are-rate-optimal-in/10.1214/21-AOS2049.full>.

Han:2023:NLI

- [Han23] Qiyang Han. Noisy linear inverse problems under convex constraints: Exact risk asymptotics in high dimensions. *Annals of Statistics*, 51(4):1611–1638, August 2023. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals->

of-statistics/volume-51/issue-4/Noisy-linear-inverse-problems-under-convex-constraints--Exact-risk/10.1214/23-AOS2301.full.

Heng:2020:CSM

- [HBDD20] Jeremy Heng, Adrian N. Bishop, George Deligiannidis, and Arnaud Doucet. Controlled sequential Monte Carlo. *Annals of Statistics*, 48(5):2904–2929, October 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-48/issue-5/Controlled-sequential-Monte-Carlo/10.1214/19-AOS1914.full>.

Huang:2022:COS

- [HCCI22] Hsueh-Han Huang, Ngai Hang Chan, Kun Chen, and Ching-Kang Ing. Consistent order selection for ARFIMA processes. *Annals of Statistics*, 50(3):1297–1319, June 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-3/Consistent-order-selection-for-ARFIMA-processes/10.1214/21-AOS2149.full>.

Hallin:2021:DQF

- [HdBCAM21] Marc Hallin, Eustasio del Barrio, Juan Cuesta-Albertos, and Carlos Matrán. Distribution and quantile functions, ranks and signs in dimension d : a measure transportation approach. *Annals of Statistics*, 49(2):1139–1165, April 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-2/Distribution-and-quantile-functions-ranks-and-signs-in-dimension-d/10.1214/20-AOS1996.full>.

He:2020:ICV

- [HHPS20] Yi He, Yanxi Hou, Liang Peng, and Haipeng Shen. Inference for conditional value-at-risk of a predictive regression. *Annals of Statistics*, 48(6):3442–3464, December 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-48/issue-6/Inference-for-conditional-value-at-risk-of-a-predictive-regression/10.1214/19-AOS1937.full>.

Hidalgo:2021:BLM

- [Hid21] Javier Hidalgo. Bootstrap long memory processes in the frequency domain. *Annals of Statistics*, 49(3):1407–1435, June 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-3/Bootstrap-long-memory-processes-in-the-frequency-domain/10.1214/20-AOS2006.full>.

Huang:2020:RAK

- [HJ20] Dongming Huang and Lucas Janson. Relaxing the assumptions of knockoffs by conditioning. *Annals of Statistics*, 48(5):3021–3042, October 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-48/issue-5/Relaxing-the-assumptions-of-knockoffs-by-conditioning/10.1214/19-AOS1920.full>.

Hassani:2024:COA

- [HJ24] Hamed Hassani and Adel Javanmard. The curse of overparametrization in adversarial training: Precise analysis of robust generalization for random features regression. *Annals of Statistics*, 52(2):441–465, April 2024. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-52/issue-2/The-curse-of-overparametrization-in-adversarial-training--Precise-analysis/10.1214/24-AOS2353.full>.

Han:2020:ORE

- [HJWW20] Yanjun Han, Jiantao Jiao, Tsachy Weissman, and Yihong Wu. Optimal rates of entropy estimation over Lipschitz balls. *Annals of Statistics*, 48(6):3228–3250, December 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-48/issue-6/Optimal-rates-of-entropy-estimation-over-Lipschitz-balls/10.1214/19-AOS1927.full>.

Hanneke:2022:NFL

- [HK22] Steve Hanneke and Samory Kpotufe. A no-free-lunch theorem for multitask learning. *Annals of Statistics*, 50(6):3119–3143, December 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-6/A-no->

free-lunch-theorem-for-multitask-learning/10.1214/22-AOS2189.full.

Hanneke:2021:UBC

- [HKS^W21] Steve Hanneke, Aryeh Kontorovich, Sivan Sabato, and Roi Weiss. Universal Bayes consistency in metric spaces. *Annals of Statistics*, 49(4):2129–2150, August 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-4/Universal-Bayes-consistency-in-metric-spaces/10.1214/20-AOS2029.full>.

He:2024:OCP

- [HKTY24] Yong He, Xinbing Kong, Lorenzo Trapani, and Long Yu. Online change-point detection for matrix-valued time series with latent two-way factor structure. *Annals of Statistics*, 52(4):1646–1670, August 2024. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-52/issue-4/Online-change-point-detection-for-matrix-valued-time-series-with/10.1214/24-AOS2410.full>.

Horvath:2021:MCP

- [HKW21] Lajos Horváth, Piotr Kokoszka, and Shixuan Wang. Monitoring for a change point in a sequence of distributions. *Annals of Statistics*, 49(4):2271–2291, August 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-4/Monitoring-for-a-change-point-in-a-sequence-of-distributions/10.1214/20-AOS2036.full>.

Hong:2020:NB

- [HL20] Han Hong and Jessie Li. The numerical bootstrap. *Annals of Statistics*, 48(1):397–412, February 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/euclid.aos/1581930140>.

He:2024:HOC

- [HL24] Shengyi He and Henry Lam. Higher-order coverage errors of batching methods via Edgeworth expansions on t -statistics. *Annals of Statistics*, 52(4):1360–1383, August 2024. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966

(electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-52/issue-4/Higher-order-coverage-errors-of-batching-methods-via-Edgeworth-expansions/>10.1214/24-AOS2377.full.

Huang:2023:EEM

- [HLM23] Tzu-Jung Huang, Alex Luedtke, and Ian W. McKeague. Efficient estimation of the maximal association between multiple predictors and a survival outcome. *Annals of Statistics*, 51(5):1965–1988, October 2023. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-51/issue-5/Efficient-estimation-of-the-maximal-association-between-multiple-predictors-and/>10.1214/23-AOS2313.full.

He:2022:NFD

- [HLS22] Yuanzhen He, C. Devon Lin, and Fasheng Sun. A new and flexible design construction for orthogonal arrays for modern applications. *Annals of Statistics*, 50(3):1473–1489, June 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-3/A-new-and-flexible-design-construction-for-orthogonal-arrays-for/>10.1214/21-AOS2159.full.

Hazimeh:2023:GVS

- [HMR23] Hussein Hazimeh, Rahul Mazumder, and Peter Radchenko. Grouped variable selection with discrete optimization: Computational and statistical perspectives. *Annals of Statistics*, 51(1):1–32, February 2023. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-51/issue-1/Grouped-variable-selection-with-discrete-optimization-Computational-and-statistical/>10.1214/21-AOS2155.full.

Hastie:2022:SHD

- [HMRT22] Trevor Hastie, Andrea Montanari, Saharon Rosset, and Ryan J. Tibshirani. Surprises in high-dimensional ridgeless least squares interpolation. *Annals of Statistics*, 50(2):949–986, April 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-2/Surprises-in-high-dimensional-ridgeless-least-squares-interpolation/>10.1214/21-AOS2133.full.

Hopkins:2020:MES

- [Hop20] Samuel B. Hopkins. Mean estimation with sub-Gaussian rates in polynomial time. *Annals of Statistics*, 48(2):1193–1213, April 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/euclid.aos/1590480051>.

He:2022:SEI

- [HPTZ22] Xuming He, Xiaou Pan, Kean Ming Tan, and Wen-Xin Zhou. Scalable estimation and inference for censored quantile regression process. *Annals of Statistics*, 50(5):2899–2924, October 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-5/Scalable-estimation-and-inference-for-censored-quantile-regression-process/10.1214/22-AOS2214.full>.

Hutter:2021:MES

- [HR21] Jan-Christian Hütter and Philippe Rigollet. Minimax estimation of smooth optimal transport maps. *Annals of Statistics*, 49(2):1166–1194, April 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-2/Minimax-estimation-of-smooth-optimal-transport-maps/10.1214/20-AOS1997.full>.

Howard:2021:TUN

- [HRMS21] Steven R. Howard, Aaditya Ramdas, Jon McAuliffe, and Jasjeet Sekhon. Time-uniform, nonparametric, nonasymptotic confidence sequences. *Annals of Statistics*, 49(2):1055–1080, April 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-2/Time-uniform-nonparametric-nonasymptotic-confidence-sequences/10.1214/20-AOS1991.full>.

Hamm:2021:ALR

- [HS21a] Thomas Hamm and Ingo Steinwart. Adaptive learning rates for support vector machines working on data with low intrinsic dimension. *Annals of Statistics*, 49(6):3153–3180, December 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-6/>

Adaptive-learning-rates-for-support-vector-machines-working-on-data/10.1214/21-AOS2078.full.

Huang:2021:APP

- [HS21b] Jianhua Z. Huang and Ya Su. Asymptotic properties of penalized spline estimators in concave extended linear models: Rates of convergence. *Annals of Statistics*, 49(6):3383–3407, December 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-6/Asymptotic-properties-of-penalized-spline-estimators-in-concave-extended-linear/10.1214/21-AOS2088.full>.

Huang:2022:LBC

- [HS22] Yijian Huang and Martin G. Sanda. Linear biomarker combination for constrained classification. *Annals of Statistics*, 50(5):2793–2815, October 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-5/Linear-biomarker-combination-for-constrained-classification/10.1214/22-AOS2210.full>.

Han:2023:URR

- [HS23] Qiyang Han and Yandi Shen. Universality of regularized regression estimators in high dimensions. *Annals of Statistics*, 51(4):1799–1823, August 2023. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-51/issue-4/Universality-of-regularized-regression-estimators-in-high-dimensions/10.1214/23-AOS2309.full>.

Hagrass:2024:SRK

- [HSL24] Omar Hagrass, Bharath Sriperumbudur, and Bing Li. Spectral regularized kernel two-sample tests. *Annals of Statistics*, 52(3):1076–1101, June 2024. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-52/issue-3/Spectral-regularized-kernel-two-sample-tests/10.1214/24-AOS2383.full>.

Han:2022:HDA

- [HSS22] Qiyang Han, Bodhisattva Sen, and Yandi Shen. High-dimensional asymptotics of likelihood ratio tests in the Gaussian

sequence model under convex constraints. *Annals of Statistics*, 50 (1):376–406, February 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-1/High-dimensional-asymptotics-of-likelihood-ratio-tests-in-the-Gaussian/10.1214/21-AOS2111.full>.

Hoffmann:2023:DDE

- [HT23] Marc Hoffmann and Mathias Trabs. Dispersal density estimation across scales. *Annals of Statistics*, 51(3):1258–1281, June 2023. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-51/issue-3/Dispersal-density-estimation-across-scales/10.1214/23-AOS2290.full>.

Han:2020:LUS

- [HTYZ20] Lei Han, Kean Ming Tan, Ting Yang, and Tong Zhang. Local uncertainty sampling for large-scale multiclass logistic regression. *Annals of Statistics*, 48(3):1770–1788, June 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-48/issue-3/Local-uncertainty-sampling-for-large-scale-multiclass-logistic-regression/10.1214/19-AOS1867.full>.

Huang:2020:ARP

- [Hua20] Hanwen Huang. Asymptotic risk and phase transition of ℓ_1 -penalized robust estimator. *Annals of Statistics*, 48(5):3090–3111, October 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-48/issue-5/Asymptotic-risk-and-phase-transition-of-l1-penalized-robust-estimator/10.1214/19-AOS1923.full>.

Han:2020:THD

- [HW20] Yuefeng Han and Wei Biao Wu. Test for high dimensional covariance matrices. *Annals of Statistics*, 48(6):3565–3588, December 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-48/issue-6/Test-for-high-dimensional-covariance-matrices/10.1214/20-AOS1943.full>.

Han:2021:CSD

- [HW21a] Qiyang Han and Jon A. Wellner. Complex sampling designs: Uniform limit theorems and applications. *Annals of Statistics*, 49(1):459–485, February 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-1/Complex-sampling-designs-Uniform-limit-theorems-and-applications/10.1214/20-AOS1964.full>.

Hirshberg:2021:AML

- [HW21b] David A. Hirshberg and Stefan Wager. Augmented minimax linear estimation. *Annals of Statistics*, 49(6):3206–3227, December 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-6/Augmented-minimax-linear-estimation/10.1214/21-AOS2080.full>.

Hu:2023:PEP

- [HW23] Yuchen Hu and Stefan Wager. Off-policy evaluation in partially observed Markov decision processes under sequential ignorability. *Annals of Statistics*, 51(4):1561–1585, August 2023. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-51/issue-4/Off-policy-evaluation-in-partially-observed-Markov-decision-processes-under/10.1214/23-AOS2287.full>.

Han:2022:OSC

- [HWZ22] Rungang Han, Rebecca Willett, and Anru R. Zhang. An optimal statistical and computational framework for generalized tensor estimation. *Annals of Statistics*, 50(1):1–29, February 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-1/An-optimal-statistical-and-computational-framework-for-generalized-tensor-estimation/10.1214/21-AOS2061.full>.

He:2021:AIS

- [HXWP21] Yinqiu He, Gongjun Xu, Chong Wu, and Wei Pan. Asymptotically independent U -statistics in high-dimensional testing. *Annals of Statistics*, 49(1):154–181, February 2021. CO-

DEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-1/Asymptotically-independent-U-statistics-in-high-dimensional-testing/10.1214/20-AOS1951.full>.

Heiny:2022:LDE

- [HY22] Johannes Heiny and Jianfeng Yao. Limiting distributions for eigenvalues of sample correlation matrices from heavy-tailed populations. *Annals of Statistics*, 50(6):3249–3280, December 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-6/Limiting-distributions-for-eigenvalues-of-sample-correlation-matrices-from-heavy/10.1214/22-AOS2226.full>.

Han:2023:URI

- [HYF23] Xiao Han, Qing Yang, and Yingying Fan. Universal rank inference via residual subsampling with application to large networks. *Annals of Statistics*, 51(3):1109–1133, June 2023. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-51/issue-3/Universal-rank-inference-via-residual-subsampling-with-application-to-large/10.1214/23-AOS2282.full>.

Han:2020:LDT

- [HZ20] Qiyang Han and Cun-Hui Zhang. Limit distribution theory for block estimators in multiple isotonic regression. *Annals of Statistics*, 48(6):3251–3282, December 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-48/issue-6/Limit-distribution-theory-for-block-estimators-in-multiple-isotonic-regression/10.1214/19-AOS1928.full>.

Imbens:2021:CB

- [IM21] Guido Imbens and Konrad Menzel. A causal bootstrap. *Annals of Statistics*, 49(3):1460–1488, June 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-3/A-causal-bootstrap/10.1214/20-AOS2009.full>.

Ing:2020:MSH

- [Ing20] Ching-Kang Ing. Model selection for high-dimensional linear regression with dependent observations. *Annals of Statistics*, 48(4):1959–1980, August 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-48/issue-4/Model-selection-for-high-dimensional-linear-regression-with-dependent-observations/10.1214/19-AOS1872.full>.

Jin:2021:OAS

- [JKL21] Jiashun Jin, Zheng Tracy Ke, and Shengming Luo. Optimal adaptivity of signed-polygon statistics for network testing. *Annals of Statistics*, 49(6):3408–3433, December 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-6/Optimal-adaptivity-of-signed-polygon-statistics-for-network-testing/10.1214/21-AOS2089.full>.

Jacod:2021:VC

- [JLL21] Jean Jacod, Jia Li, and Zhipeng Liao. Volatility coupling. *Annals of Statistics*, 49(4):1982–1998, August 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-4/Volatility-coupling/10.1214/20-AOS2023.full>.

Jing:2021:CDM

- [JLLX21] Bing-Yi Jing, Ting Li, Zhongyuan Lyu, and Dong Xia. Community detection on mixture multilayer networks via regularized tensor decomposition. *Annals of Statistics*, 49(6):3181–3205, December 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-6/Community-detection-on-mixture-multilayer-networks-via-regularized-tensor-decomposition/10.1214/21-AOS2079.full>.

Javanmard:2020:ATL

- [JMM20] Adel Javanmard, Marco Mondelli, and Andrea Montanari. Analysis of a two-layer neural network via displacement convexity. *Annals of Statistics*, 48(6):3619–3642, December 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966

(electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-48/issue-6/Analysis-of-a-two-layer-neural-network-via-displacement-convexity/10.1214/20-AOS1945.full>.

Johnstone:2020:THD

- [JO20] Iain M. Johnstone and Alexei Onatski. Testing in high-dimensional spiked models. *Annals of Statistics*, 48(3):1231–1254, June 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-48/issue-3/Testing-in-high-dimensional-spiked-models/10.1214/18-AOS1697.full>.

Jeon:2020:ARH

- [JP20] Jeong Min Jeon and Byeong U. Park. Additive regression with Hilbertian responses. *Annals of Statistics*, 48(5):2671–2697, October 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-48/issue-5/Additive-regression-with-Hilbertian-responses/10.1214/19-AOS1902.full>.

Jagadeesan:2020:DET

- [JPV20] Ravi Jagadeesan, Natesh S. Pillai, and Alexander Volfovsky. Designs for estimating the treatment effect in networks with interference. *Annals of Statistics*, 48(2):679–712, April 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/euclid.aos/1590480030>.

Jeon:2021:ARN

- [JPV21] Jeong Min Jeon, Byeong U. Park, and Ingrid Van Keilegom. Additive regression for non-Euclidean responses and predictors. *Annals of Statistics*, 49(5):2611–2641, October 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-5/Additive-regression-for-non-Euclidean-responses-and-predictors/10.1214/21-AOS2048.full>.

Jeon:2022:NRL

- [JPV22] Jeong Min Jeon, Byeong U. Park, and Ingrid Van Keilegom. Nonparametric regression on Lie groups with measurement errors. *Annals of Statistics*, 50(5):2973–3008, October

2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-5/Nonparametric-regression-on-Lie-groups-with-measurement-errors/10.1214/22-AOS2218.full>.

Javanmard:2022:PSA

- [JS22] Adel Javanmard and Mahdi Soltanolkotabi. Precise statistical analysis of classification accuracies for adversarial training. *Annals of Statistics*, 50(4):2127–2156, August 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-4/Precise-statistical-analysis-of-classification-accuracies-for-adversarial-training/10.1214/22-AOS2180.full>.

Jiao:2023:DNR

- [JSLH23] Yuling Jiao, Guohao Shen, Yuanyuan Lin, and Jian Huang. Deep nonparametric regression on approximate manifolds: Nonasymptotic error bounds with polynomial prefactors. *Annals of Statistics*, 51(2):691–716, April 2023. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-51/issue-2/Deep-nonparametric-regression-on-approximate-manifolds--Nonasymptotic-error-bounds/10.1214/23-AOS2266.full>.

Jiang:2021:VSC

- [JT21] Sheng Jiang and Surya T. Tokdar. Variable selection consistency of Gaussian process regression. *Annals of Statistics*, 49(5):2491–2505, October 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-5/Variable-selection-consistency-of-Gaussian-process-regression/10.1214/20-AOS2043.full>.

Jiang:2023:HDP

- [JZLM23] Fei Jiang, Yeqing Zhou, Jianxuan Liu, and Yanyuan Ma. On high-dimensional Poisson models with measurement error: Hypothesis testing for nonlinear nonconvex optimization. *Annals of Statistics*, 51(1):233–259, February 2023. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-51/issue-1/On-high-dimensional-Poisson-models-with-measurement-error-hypothesis-testing-for-nonlinear-nonconvex-optimization/10.1214/23-AOS2266.full>.

of-statistics/volume-51/issue-1/On-high-dimensional-Poisson-models-with-measurement-error--Hypothesis/10.1214/22-AOS2248.full.

Kirchner:2022:NSC

- [KB22] Kristin Kirchner and David Bolin. Necessary and sufficient conditions for asymptotically optimal linear prediction of random fields on compact metric spaces. *Annals of Statistics*, 50(2):1038–1065, April 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-2/Necessary-and-sufficient-conditions-for-asymptotically-optimal-linear-prediction-of/10.1214/21-AOS2138.full>.

Kuchibhotla:2020:VPS

- [KBB⁺20] Arun K. Kuchibhotla, Lawrence D. Brown, Andreas Buja, Junhui Cai, Edward I. George, and Linda H. Zhao. Valid post-selection inference in model-free linear regression. *Annals of Statistics*, 48(5):2953–2981, October 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-48/issue-5/Valid-post-selection-inference-in-model-free-linear-regression/10.1214/19-AOS1917.full>.

Kennedy:2020:SIC

- [KBG20] Edward H. Kennedy, Sivaraman Balakrishnan, and Max G'Sell. Sharp instruments for classifying compliers and generalizing causal effects. *Annals of Statistics*, 48(4):2008–2030, August 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-48/issue-4/Sharp-instruments-for-classifying-compliers-and-generalizing-causal-effects/10.1214/19-AOS1874.full>.

Kennedy:2024:MRH

- [KBRW24] Edward H. Kennedy, Sivaraman Balakrishnan, James M. Robins, and Larry Wasserman. Minimax rates for heterogeneous causal effect estimation. *Annals of Statistics*, 52(2):793–816, April 2024. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-52/issue-2/Minimax-rates-for-heterogeneous-causal-effect-estimation/10.1214/24-AOS2369.full>.

Kim:2020:RMN

- [KBW20] Ilmun Kim, Sivaraman Balakrishnan, and Larry Wasserman. Robust multivariate nonparametric tests via projection averaging. *Annals of Statistics*, 48(6):3417–3441, December 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-48/issue-6/Robust-multivariate-nonparametric-tests-via-projection-averaging/10.1214/19-AOS1936.full>.

Kim:2022:MOP

- [KBW22] Ilmun Kim, Sivaraman Balakrishnan, and Larry Wasserman. Minimax optimality of permutation tests. *Annals of Statistics*, 50(1):225–251, February 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-1/Minimax-optimality-of-permutation-tests/10.1214/21-AOS2103.full>.

Ki:2024:ML

- [KFG24] Dohyeong Ki, Billy Fang, and Adityanand Guntuboyina. MARS via LASSO. *Annals of Statistics*, 52(3):1102–1126, June 2024. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-52/issue-3/MARS-via-LASSO/10.1214/24-AOS2384.full>.

Komarova:2023:TNS

- [KH23] Tatiana Komarova and Javier Hidalgo. Testing nonparametric shape restrictions. *Annals of Statistics*, 51(6):2299–2317, December 2023. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-51/issue-6/Testing-nonparametric-shape-restrictions/10.1214/23-AOS2311.full>.

Koskela:2020:AGI

- [KJJS20] Jere Koskela, Paul A. Jenkins, Adam M. Johansen, and Dario Spanò. Asymptotic genealogies of interacting particle systems with an application to sequential Monte Carlo. *Annals of Statistics*, 48(1):560–583, February 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/euclid.aos/1581930147>. See erratum [KJJS22].

Koskela:2022:EAG

- [KJJS22] Jere Koskela, Paul A. Jenkins, Adam M. Johansen, and Dario Spanò. Erratum: Asymptotic genealogies of interacting particle systems with an application to sequential Monte Carlo. *Annals of Statistics*, 50(4):2467–2468, August 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-4/Erratum--Asymptotic-genealogies-of-interacting-particle-systems-with-an/10.1214/21-AOS2135.full>. See [KJJS20].

Kolassa:2020:VFE

- [KK20] John E. Kolassa and Todd A. Kuffner. On the validity of the formal Edgeworth expansion for posterior densities. *Annals of Statistics*, 48(4):1940–1958, August 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-48/issue-4/On-the-validity-of-the-formal-Edgeworth-expansion-for-posterior/10.1214/19-AOS1871.full>.

Klochkov:2021:RMC

- [KKZ21] Yegor Klochkov, Alexey Kroshnin, and Nikita Zhivotovskiy. Robust k -means clustering for distributions with two moments. *Annals of Statistics*, 49(4):2206–2230, August 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-4/Robust-k-means-clustering-for-distributions-with-two-moments/10.1214/20-AOS2033.full>.

Kneip:2020:ORP

- [KL20] Alois Kneip and Dominik Liebl. On the optimal reconstruction of partially observed functional data. *Annals of Statistics*, 48(3):1692–1717, June 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-48/issue-3/On-the-optimal-reconstruction-of-partially-observed-functional-data/10.1214/19-AOS1864.full>.

Kohler:2021:RCF

- [KL21] Michael Kohler and Sophie Langer. On the rate of convergence of fully connected deep neural network regression esti-

mates. *Annals of Statistics*, 49(4):2231–2249, August 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-4/On-the-rate-of-convergence-of-fully-connected-deep-neural/10.1214/20-AOS2034.full>.

Kleijn:2021:FVB

- [Kle21] B. J. K. Kleijn. Frequentist validity of Bayesian limits. *Annals of Statistics*, 49(1):182–202, February 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-1/Frequentist-validity-of-Bayesian-limits/10.1214/20-AOS1952.full>.

Koltchinskii:2020:EEL

- [KLN20] Vladimir Koltchinskii, Matthias Löffler, and Richard Nickl. Efficient estimation of linear functionals of principal components. *Annals of Statistics*, 48(1):464–490, February 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/euclid.aos/1581930143>.

Kolaczyk:2020:AUN

- [KLR⁺20] Eric D. Kolaczyk, Lizhen Lin, Steven Rosenberg, Jackson Walters, and Jie Xu. Averages of unlabeled networks: Geometric characterization and asymptotic behavior. *Annals of Statistics*, 48(1):514–538, February 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/euclid.aos/1581930145>.

Kim:2020:PDR

- [KLYL20] Kyongwon Kim, Bing Li, Zhou Yu, and Lexin Li. On post dimension reduction statistical inference. *Annals of Statistics*, 48(3):1567–1592, June 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-48/issue-3/On-post-dimension-reduction-statistical-inference/10.1214/19-AOS1859.full>.

Kpotufe:2021:MSB

- [KM21a] Samory Kpotufe and Guillaume Martinet. Marginal singularity and the benefits of labels in covariate-shift. *Annals of Statistics*, 49(6):3299–3323, December 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (elec-

tronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-6/Marginal-singularity-and-the-benefits-of-labels-in-covariate-shift/10.1214/21-AOS2084.full>.

Kwon:2021:ENC

- [KM21b] Caleb Kwon and Eric Mbakop. Estimation of the number of components of nonparametric multivariate finite mixture models. *Annals of Statistics*, 49(4):2178–2205, August 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-4/Estimation-of-the-number-of-components-of-nonparametric-multivariate-finite/10.1214/20-AOS2032.full>.

Konig:2020:MMS

- [KMW20] Claudia König, Axel Munk, and Frank Werner. Multidimensional multiscale scanning in exponential families: Limit theory and statistical consequences. *Annals of Statistics*, 48(2):655–678, April 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/euclid.aos/1590480029>.

Kulaitis:2021:WRS

- [KMW21] Gytis Kulaitis, Axel Munk, and Frank Werner. What is resolution? A statistical minimax testing perspective on super-resolution microscopy. *Annals of Statistics*, 49(4):2292–2312, August 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-4/What-is-resolution-A-statistical-minimax-testing-perspective-on-superresolution/10.1214/20-AOS2037.full>.

Kim:2022:LPT

- [KNBW22] Ilmun Kim, Matey Neykov, Sivaraman Balakrishnan, and Larry Wasserman. Local permutation tests for conditional independence. *Annals of Statistics*, 50(6):3388–3414, December 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-6/Local-permutation-tests-for-conditional-independence/10.1214/22-AOS2233.full>.

Koltchinskii:2022:ESF

- [Kol22] Vladimir Koltchinskii. Estimation of smooth functionals in high-dimensional models: Bootstrap chains and Gaussian approximation. *Annals of Statistics*, 50(4):2386–2415, August 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-4/Estimation-of-smooth-functionals-in-high-dimensional-models--Bootstrap/10.1214/22-AOS2197.full>.

Kuchibhotla:2022:LSE

- [KP22] Arun K. Kuchibhotla and Rohit K. Patra. On least squares estimation under heteroscedastic and heavy-tailed errors. *Annals of Statistics*, 50(1):277–302, February 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-1/On-least-squares-estimation-under-heteroscedastic-and-heavy-tailed-errors/10.1214/21-AOS2105.full>.

Konen:2023:SQH

- [KP23] Dimitri Konen and Davy Paindaveine. Spatial quantiles on the hypersphere. *Annals of Statistics*, 51(5):2221–2245, October 2023. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-51/issue-5/Spatial-quantiles-on-the-hypersphere/10.1214/23-AOS2332.full>.

Klopp:2023:ATD

- [KPST23] Olga Klopp, Maxim Panov, Suzanne Sigalla, and Alexandre B. Tsybakov. Assigning topics to documents by successive projections. *Annals of Statistics*, 51(5):1989–2014, October 2023. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-51/issue-5/Assigning-topics-to-documents-by-successive-projections/10.1214/23-AOS2316.full>.

Katsevich:2020:SHP

- [KR20] Eugene Katsevich and Aaditya Ramdas. Simultaneous high-probability bounds on the false discovery proportion in structured, regression and online settings. *Annals of Statistics*, 48(6):3465–3487, December 2020. CODEN ASTSC7. ISSN 0090-5364

(print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-48/issue-6/Simultaneous-high-probability-bounds-on-the-false-discovery-proportion-in/10.1214/19-AOS1938.full>.

Katsevich:2024:AAG

- [KR24] Anya Katsevich and Philippe Rigollet. On the approximation accuracy of Gaussian variational inference. *Annals of Statistics*, 52(4):1384–1409, August 2024. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-52/issue-4/On-the-approximation-accuracy-of-Gaussian-variational-inference/10.1214/24-AOS2393.full>.

Kim:2021:CAP

- [KRSW21] Ilmun Kim, Aaditya Ramdas, Aarti Singh, and Larry Wasserman. Classification accuracy as a proxy for two-sample testing. *Annals of Statistics*, 49(1):411–434, February 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-1/Classification-accuracy-as-a-proxy-for-two-sample-testing/10.1214/20-AOS1962.full>.

Karmakar:2020:AEC

- [KS20] Bikram Karmakar and Dylan S. Small. Assessment of the extent of corroboration of an elaborate theory of a causal hypothesis using partial conjunctions of evidence factors. *Annals of Statistics*, 48(6):3283–3311, December 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-48/issue-6/Assessment-of-the-extent-of-corroboration-of-an-elaborate-theory/10.1214/19-AOS1929.full>.

Kutyniok:2020:DSN

- [Kut20] Gitta Kutyniok. Discussion of: “Nonparametric regression using deep neural networks with ReLU activation function”. *Annals of Statistics*, 48(4):1902–1905, August 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-48/issue-4/Discussion-of--Nonparametric->

regression-using-deep-neural-networks-with/10.1214/19-AOS1911.full. See [SH20a].

Kou:2022:LSI

- [KW22] Jiyao Kou and Guenther Walther. Large-scale inference with block structure. *Annals of Statistics*, 50(3):1541–1572, June 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-3/Large-scale-inference-with-block-structure/10.1214/21-AOS2162.full>.

Kong:2021:AED

- [KYZ21] Xiangshun Kong, Mingao Yuan, and Wei Zheng. Approximate and exact designs for total effects. *Annals of Statistics*, 49(3):1594–1625, June 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-3/Approximate-and-exact-designs-for-total-effects/10.1214/20-AOS2015.full>.

Koltchinskii:2021:ESF

- [KZ21] Vladimir Koltchinskii and Mayya Zhilova. Estimation of smooth functionals in normal models: Bias reduction and asymptotic efficiency. *Annals of Statistics*, 49(5):2577–2610, October 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-5/Estimation-of-smooth-functionals-in-normal-models--Bias-reduction/10.1214/20-AOS2047.full>.

Lahiri:2021:NSC

- [Lah21] Soumendra N. Lahiri. Necessary and sufficient conditions for variable selection consistency of the LASSO in high dimensions. *Annals of Statistics*, 49(2):820–844, April 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-2/Necessary-and-sufficient-conditions-for-variable-selection-consistency-of-the/10.1214/20-AOS1979.full>.

Li:2020:AGH

- [LAP⁺20] Haoran Li, Alexander Aue, Debashis Paul, Jie Peng, and Pei Wang. An adaptable generalization of Hotelling’s.

Annals of Statistics, 48(3):1815–1847, June 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-48/issue-3/An-adaptable-generalization-of-Hotellings-T2-test-in-high-dimension/10.1214/19-AOS1869.full>.

Luedtke:2021:CNS

- [LBvdL21] Alex Luedtke, Aurélien Bibaut, and Mark van der Laan. Correction note: “Statistical inference for the mean outcome under a possibly nonunique optimal treatment rule”. *Annals of Statistics*, 49(4):2429–2430, August 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-4/Correction-note--Statistical-inference-for-the-mean-outcome-under/10.1214/20-AOS2031.full>.

Li:2023:RLD

- [LBY23] Mengchu Li, Thomas B. Berrett, and Yi Yu. On robustness and local differential privacy. *Annals of Statistics*, 51(2):717–737, April 2023. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-51/issue-2/On-robustness-and-local-differential-privacy/10.1214/23-AOS2267.full>.

Luedtke:2024:OSE

- [LC24] Alex Luedtke and Incheoul Chung. One-step estimation of differentiable Hilbert-valued parameters. *Annals of Statistics*, 52(4):1534–1563, August 2024. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-52/issue-4/One-step-estimation-of-differentiable-Hilbert-valued-parameters/10.1214/24-AOS2403.full>.

Lee:2021:BNH

- [LCI21] Donald K. K. Lee, Ningyuan Chen, and Hemant Ishwaran. Boosted nonparametric hazards with time-dependent covariates. *Annals of Statistics*, 49(4):2101–2128, August 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-4/Boosted-nonparametric-hazards-with-time-dependent-covariates/10.1214/21-AOS2089.full>.

hazards-with-time-dependent-covariates/10.1214/20-AOS2028.full.

Lei:2021:NRU

- [Lei21] Jing Lei. Network representation using graph root distributions. *Annals of Statistics*, 49(2):745–768, April 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-2/Network-representation-using-graph-root-distributions/10.1214/20-AOS1976.full>.

Leung:2022:ROC

- [Leu22] Michael P. Leung. Rate-optimal cluster-randomized designs for spatial interference. *Annals of Statistics*, 50(5):3064–3087, October 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-5/Rate-optimal-cluster-randomized-designs-for-spatial-interference/10.1214/22-AOS2224.full>.

Lalancette:2021:RBE

- [LEV21] Michaël Lalancette, Sebastian Engelke, and Stanislav Volgushev. Rank-based estimation under asymptotic dependence and independence, with applications to spatial extremes. *Annals of Statistics*, 49(5):2552–2576, October 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-5/Rank-based-estimation-under-asymptotic-dependence-and-independence-with-applications/10.1214/20-AOS2046.full>.

Lin:2021:ITS

- [LFR21] Zhantao Lin, Nancy Flournoy, and William F. Rosenberger. Inference for a two-stage enrichment design. *Annals of Statistics*, 49(5):2697–2720, October 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-5/Inference-for-a-two-stage-enrichment-design/10.1214/21-AOS2051.full>.

Lopuhaa:2023:ELM

- [LGRG23] Hendrik Paul Lopuhaä, Valerie Gares, and Anne Ruiz-Gazen. S -estimation in linear models with structured covariance matrices. *Annals of Statistics*, 51(6):2415–2439, December

2023. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-51/issue-6/S-estimation-in-linear-models-with-structured-covariance-matrices/10.1214/23-AOS2334.full>.

Liu:2021:MRS

- [LGS21] Haoyang Liu, Chao Gao, and Richard J. Samworth. Minimax rates in sparse, high-dimensional change point detection. *Annals of Statistics*, 49(2):1081–1112, April 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-2/Minimax-rates-in-sparse-high-dimensional-change-point-detection/10.1214/20-AOS1994.full>.

Liu:2023:IUC

- [LH23] Yang Liu and Feifang Hu. The impacts of unobserved covariates on covariate-adaptive randomized experiments. *Annals of Statistics*, 51(5):1895–1920, October 2023. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-51/issue-5/The-impacts-of-unobserved-covariates-on-covariate-adaptive-randomized-experiments/10.1214/23-AOS2308.full>.

Liu:2023:CLL

- [LHBS23] Zhijun Liu, Jiang Hu, Zhidong Bai, and Haiyan Song. A CLT for the LSS of large-dimensional sample covariance matrices with diverging spikes. *Annals of Statistics*, 51(5):2246–2271, October 2023. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-51/issue-5/A-CLT-for-the-LSS-of-large-dimensional-sample-covariance/10.1214/23-AOS2333.full>.

Li:2020:AJD

- [LHY20] Zeng Li, Fang Han, and Jianfeng Yao. Asymptotic joint distribution of extreme eigenvalues and trace of large sample covariance matrix in a generalized spiked population model. *Annals of Statistics*, 48(6):3138–3160, December 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-48/issue-6/Asymptotic-joint-distribution->

of-extreme-eigenvalues-and-trace-of-large/10.1214/19-AOS1882.full.

Li:2022:BFD

- [Li22] Cheng Li. Bayesian fixed-domain asymptotics for covariance parameters in a Gaussian process model. *Annals of Statistics*, 50(6):3334–3363, December 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-6/Bayesian-fixed-domain-asymptotics-for-covariance-parameters-in-a-Gaussian/10.1214/22-AOS2230.full>.

Lecue:2020:RML

- [LL20] Guillaume Lecué and Matthieu Lerasle. Robust machine learning by median-of-means: Theory and practice. *Annals of Statistics*, 48(2):906–931, April 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/euclid.aos/1590480039>.

Lee:2022:FSD

- [LL22] Kuang-Yao Lee and Lexin Li. Functional sufficient dimension reduction through average Fréchet derivatives. *Annals of Statistics*, 50(2):904–929, April 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-2/Functional-sufficient-dimension-reduction-through-average-Frchet-derivatives/10.1214/21-AOS2131.full>.

Lin:2021:OSI

- [LLHL21] Qian Lin, Xinran Li, Dongming Huang, and Jun S. Liu. On the optimality of sliced inverse regression in high dimensions. *Annals of Statistics*, 49(1):1–20, February 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-1/On-the-optimality-of-sliced-inverse-regression-in-high-dimensions/10.1214/19-AOS1813.full>.

Lopes:2020:BMS

- [LLM20] Miles E. Lopes, Zhenhua Lin, and Hans-Georg Müller. Bootstrapping max statistics in high dimensions: Near-parametric rates under weak variance decay and application to functional and multinomial data. *Annals of Statistics*, 48(2):1214–1229,

April 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/euclid.aos/1590480052>.

Li:2024:DES

- [LLS24] Degui Li, Runze Li, and Han Lin Shang. Detection and estimation of structural breaks in high-dimensional functional time series. *Annals of Statistics*, 52(4):1716–1740, August 2024. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-52/issue-4/Detection-and-estimation-of-structural-breaks-in-high-dimensional-functional/10.1214/24-AOS2414.full>.

Lee:2021:FDT

- [LLSS21] Sokbae Lee, Yuan Liao, Myung Hwan Seo, and Youngki Shin. Factor-driven two-regime regression. *Annals of Statistics*, 49(3):1656–1678, June 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-3/Factor-driven-two-regime-regression/10.1214/20-AOS2017.full>.

Lin:2021:TVR

- [LM21a] Zhenhua Lin and Hans-Georg Müller. Total variation regularized Fréchet regression for metric-space valued data. *Annals of Statistics*, 49(6):3510–3533, December 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-6/Total-variation-regularized-Fr%C3%A9chet-regression-for-metric-space-valued-data/10.1214/21-AOS2095.full>.

Lugosi:2021:RMM

- [LM21b] Gábor Lugosi and Shahar Mendelson. Robust multivariate mean estimation: The optimality of trimmed mean. *Annals of Statistics*, 49(1):393–410, February 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-1/Robust-multivariate-mean-estimation-The-optimality-of-trimmed-mean/10.1214/20-AOS1961.full>.

Lahiry:2022:MNE

- [LN22] Samriddha Lahiry and Michael Nussbaum. Minimax nonparametric estimation of pure quantum states. *Annals of Statistics*, 50(1):430–459, February 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-1/Minimax-nonparametric-estimation-of-pure-quantum-states/>10.1214/21-AOS2115.full.

Li:2023:GCO

- [LO23] Harrison H. Li and Art B. Owen. A general characterization of optimal tie-breaker designs. *Annals of Statistics*, 51(3):1030–1057, June 2023. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-51/issue-3/A-general-characterization-of-optimal-tie-breaker-designs/>10.1214/23-AOS2275.full.

Lopes:2022:CLT

- [Lop22] Miles E. Lopes. Central limit theorem and bootstrap approximation in high dimensions: Near. *Annals of Statistics*, 50(5):2492–2513, October 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-5/Central-limit-theorem-and-bootstrap-approximation-in-high-dimensions/>10.1214/22-AOS2184.full.

Lee:2024:EFL

- [LPMP24] Eun Ryung Lee, Seyoung Park, Enno Mammen, and Byeong U. Park. Efficient functional Lasso kernel smoothing for high-dimensional additive regression. *Annals of Statistics*, 52(4):1741–1773, August 2024. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-52/issue-4/Efficient-functional-Lasso-kernel-smoothing-for-high-dimensional-additive-regression/>10.1214/24-AOS2415.full.

Li:2024:SAG

- [LPYZ24] Huiqin Li, Guangming Pan, Yanqing Yin, and Wang Zhou. Spectral analysis of gram matrices with missing at random observations: Convergence, central limit theorems, and applications in statistical inference. *Annals of Statistics*, 52(3):

1254–1275, June 2024. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-52/issue-3/Spectral-analysis-of-gram-matrices-with-missing-at-random-observations/10.1214/24-AOS2392.full>.

Liao:2022:BPL

- [LQW⁺22] Peng Liao, Zhengling Qi, Runzhe Wan, Predrag Klasnja, and Susan A. Murphy. Batch policy learning in average reward Markov decision processes. *Annals of Statistics*, 50(6):3364–3387, December 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-6/Batch-policy-learning-in-average-reward-Markov-decision-processes/10.1214/22-AOS2231.full>.

Liang:2020:JIK

- [LR20a] Tengyuan Liang and Alexander Rakhlin. Just interpolate: Kernel “Ridgeless” regression can generalize. *Annals of Statistics*, 48(3):1329–1347, June 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-48/issue-3/Just-interpolate-Kernel-Ridgeless-regression-can-generalize/10.1214/19-AOS1849.full>.

Liu:2020:MEL

- [LR20b] Yu Liu and Zhao Ren. Minimax estimation of large precision matrices with bandable Cholesky factor. *Annals of Statistics*, 48(4):2428–2454, August 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-48/issue-4/Minimax-estimation-of-large-precision-matrices-with-bandable-Cholesky-factor/10.1214/19-AOS1893.full>.

Li:2022:DRF

- [LS22a] Bing Li and Jun Song. Dimension reduction for functional data based on weak conditional moments. *Annals of Statistics*, 50(1):107–128, February 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-1/Dimension-reduction-for-functional-data-based-on-weak-conditional-moments/10.1214/21-AOS2091.full>.

Liang:2022:PHD

- [LS22b] Tengyuan Liang and Pragya Sur. A precise high-dimensional asymptotic theory for boosting and minimum- ℓ_1 -norm interpolated classifiers. *Annals of Statistics*, 50(3):1669–1695, June 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-3/A-precise-high-dimensional-asymptotic-theory-for-boosting-and-minimum/10.1214/22-AOS2170.full>.

Li:2024:SSC

- [LSC⁺24] Gen Li, Laixi Shi, Yuxin Chen, Yuejie Chi, and Yuting Wei. Settling the sample complexity of model-based offline reinforcement learning. *Annals of Statistics*, 52(1):233–260, February 2024. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-52/issue-1/Settling-the-sample-complexity-of-model-based-offline-reinforcement-learning/10.1214/23-AOS2342.full>.

Lee:2020:CCB

- [LSV20] Anthony Lee, Sumeetpal S. Singh, and Matti Vihola. Coupled conditional backward sampling particle filter. *Annals of Statistics*, 48(5):3066–3089, October 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-48/issue-5/Coupled-conditional-backward-sampling-particle-filter/10.1214/19-AOS1922.full>.

Loh:2021:FDA

- [LSW21] Wei-Liem Loh, Saifei Sun, and Jun Wen. On fixed-domain asymptotics, parameter estimation and isotropic Gaussian random fields with Matérn covariance functions. *Annals of Statistics*, 49(6):3127–3152, December 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-6/On-fixed-domain-asymptotics-parameter-estimation-and-isotropic-Gaussian-random/10.1214/21-AOS2077.full>.

Laha:2024:FOD

- [LSWMC24] Nilanjana Laha, Aaron Sonabend-W, Rajarshi Mukherjee, and Tianxi Cai. Finding the optimal dynamic treatment regimes us-

ing smooth Fisher consistent surrogate loss. *Annals of Statistics*, 52(2):679–707, April 2024. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-52/issue-2/Finding-the-optimal-dynamic-treatment-regimes-using-smooth-Fisher-consistent/10.1214/24-AOS2363.full>.

Liu:2024:MVD

- [LTMC24] Weidong Liu, Jiyuan Tu, Xiaojun Mao, and Xi Chen. Majority vote for distributed differentially private sign selection. *Annals of Statistics*, 52(4):1671–1690, August 2024. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-52/issue-4/Majority-vote-for-distributed-differentially-private-sign-selection/10.1214/24-AOS2411.full>.

Lauritzen:2021:TPE

- [LUZ21] Steffen Lauritzen, Caroline Uhler, and Piotr Zwiernik. Total positivity in exponential families with application to binary variables. *Annals of Statistics*, 49(3):1436–1459, June 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-3/Total-positivity-in-exponential-families-with-application-to-binary-variables/10.1214/20-AOS2007.full>.

Ledoit:2020:ANS

- [LW20] Olivier Ledoit and Michael Wolf. Analytical nonlinear shrinkage of large-dimensional covariance matrices. *Annals of Statistics*, 48(5):3043–3065, October 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-48/issue-5/Analytical-nonlinear-shrinkage-of-large-dimensional-covariance-matrices/10.1214/19-AOS1921.full>.

Li:2022:RGA

- [LW22] Shuangning Li and Stefan Wager. Random graph asymptotics for treatment effect estimation under network interference. *Annals of Statistics*, 50(4):2334–2358, August 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-4/Random-graph->

asymptotics-for-treatment-effect-estimation-under-network-interference/10.1214/22-AOS2191.full.

Li:2021:CLT

- [LWL21] Zeng Li, Qinwen Wang, and Runze Li. Central limit theorem for linear spectral statistics of large dimensional Kendall's rank correlation matrices and its applications. *Annals of Statistics*, 49(3):1569–1593, June 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-3/Central-limit-theorem-for-linear-spectral-statistics-of-large-dimensional/10.1214/20-AOS2013.full>.

Lyu:2023:OEC

- [LX23] Zhongyuan Lyu and Dong Xia. Optimal estimation and computational limit of low-rank Gaussian mixtures. *Annals of Statistics*, 51(2):646–667, April 2023. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-51/issue-2/Optimal-estimation-and-computational-limit-of-low-rank-Gaussian-mixtures/10.1214/23-AOS2264.full>.

Lee:2020:BCR

- [LY20] Stephen M. S. Lee and Puyudi Yang. Bootstrap confidence regions based on M -estimators under nonstandard conditions. *Annals of Statistics*, 48(1):274–299, February 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/euclid.aos/1581930135>.

Lauritzen:2022:LAG

- [LZ22a] Steffen Lauritzen and Piotr Zwiernik. Locally associated graphical models and mixed convex exponential families. *Annals of Statistics*, 50(5):3009–3038, October 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-5/Locally-associated-graphical-models-and-mixed-convex-exponential-families/10.1214/22-AOS2219.full>.

Luo:2022:TCP

- [LZ22b] Yuetian Luo and Anru R. Zhang. Tensor clustering with planted structures: Statistical optimality and computational limits. *Annals of Statistics*, 50(1):584–613, February 2022.

CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-1/Tensor-clustering-with-planted-structures--Statistical-optimality-and-computational/>10.1214/21-AOS2123.full.

Löffler:2021:OSC

- [LZZ21] Matthias Löffler, Anderson Y. Zhang, and Harrison H. Zhou. Optimality of spectral clustering in the Gaussian mixture model. *Annals of Statistics*, 49(5):2506–2530, October 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-5/Optimality-of-spectral-clustering-in-the-Gaussian-mixture-model/>10.1214/20-AOS2044.full.

Manole:2024:PES

- [MBNWW24] Tudor Manole, Sivaraman Balakrishnan, Jonathan Niles-Weed, and Larry Wasserman. Plugin estimation of smooth optimal transport maps. *Annals of Statistics*, 52(3):966–998, June 2024. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-52/issue-3/Plugin-estimation-of-smooth-optimal-transport-maps/>10.1214/24-AOS2379.full.

Mukherjee:2021:OLD

- [MBR21] Debarghya Mukherjee, Moulinath Banerjee, and Ya'acov Ritov. Optimal linear discriminators for the discrete choice model in growing dimensions. *Annals of Statistics*, 49(6):3324–3357, December 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-6/Optimal-linear-discriminators-for-the-discrete-choice-model-in-growing/>10.1214/21-AOS2085.full.

Mourtada:2020:MOR

- [MGS20] Jaouad Mourtada, Stéphane Gaïffas, and Erwan Scornet. Minimax optimal rates for Mondrian trees and forests. *Annals of Statistics*, 48(4):2253–2276, August 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-48/issue-4/Minimax-optimal-rates-for-Mondrian-trees-and-forests/>10.1214/19-AOS1886.full.

Mogensen:2020:MEM

- [MH20] Søren Wengel Mogensen and Niels Richard Hansen. Markov equivalence of marginalized local independence graphs. *Annals of Statistics*, 48(1):539–559, February 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/euclid.aos/1581930146>.

McCormack:2022:SEF

- [MH22] Andrew McCormack and Peter Hoff. The Stein effect for Fréchet means. *Annals of Statistics*, 50(6):3647–3676, December 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-6/The-Stein-effect-for-Fr%c3%a9chet-means/10.1214/22-AOS2245.full>.

Mukherjee:2022:MOS

- [MJ22] Gourab Mukherjee and Iain M. Johnstone. On minimax optimality of sparse Bayes predictive density estimates. *Annals of Statistics*, 50(1):81–106, February 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-1/On-minimax-optimality-of-sparse-Bayes-predictive-density-estimates/10.1214/21-AOS2086.full>.

Manole:2021:ENC

- [MK21a] Tudor Manole and Abbas Khalili. Estimating the number of components in finite mixture models via the Group-Sort-Fuse procedure. *Annals of Statistics*, 49(6):3043–3069, December 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-6/Estimating-the-number-of-components-in-finite-mixture-models-via/10.1214/21-AOS2072.full>.

Morikawa:2021:SOE

- [MK21b] Kosuke Morikawa and Jae Kwang Kim. Semiparametric optimal estimation with nonignorable nonresponse data. *Annals of Statistics*, 49(5):2991–3014, October 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-5/Semiparametric-optimal-estimation-with-nonignorable-nonresponse-data/10.1214/21-AOS2070.full>.

Marandon:2024:AND

- [MLMR24] Ariane Marandon, Lihua Lei, David Mary, and Etienne Roquain. Adaptive novelty detection with false discovery rate guarantee. *Annals of Statistics*, 52(1):157–183, February 2024. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-52/issue-1/Adaptive-novelty-detection-with-false-discovery-rate-guarantee/10.1214/23-AOS2338.full>.

Miolane:2021:DLU

- [MM21] Léo Miolane and Andrea Montanari. The distribution of the Lasso: Uniform control over sparse balls and adaptive parameter tuning. *Annals of Statistics*, 49(4):2313–2335, August 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-4/The-distribution-of-the-Lasso--Uniform-control-over-sparse/10.1214/20-AOS2038.full>.

Marion:2023:FSC

- [MMS23] Joe Marion, Joseph Mathews, and Scott C. Schmidler. Finite-sample complexity of sequential Monte Carlo estimators. *Annals of Statistics*, 51(3):1357–1375, June 2023. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-51/issue-3/Finite-sample-complexity-of-sequential-Monte-Carlo-estimators/10.1214/23-AOS2295.full>.

McGoff:2020:ERM

- [MN20] Kevin McGoff and Andrew B. Nobel. Empirical risk minimization and complexity of dynamical models. *Annals of Statistics*, 48(4):2031–2054, August 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-48/issue-4/Empirical-risk-minimization-and-complexity-of-dynamical-models/10.1214/19-AOS1876.full>.

Monard:2021:SGB

- [MNP21] François Monard, Richard Nickl, and Gabriel P. Paternain. Statistical guarantees for Bayesian uncertainty quantification in nonlinear inverse problems with Gaussian process priors.

Annals of Statistics, 49(6):3255–3298, December 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-6/Statistical-guarantees-for-Bayesian-uncertainty-quantification-in-nonlinear-inverse-problems/10.1214/21-AOS2082.full>.

Mourtada:2022:EMR

- [Mou22] Jaouad Mourtada. Exact minimax risk for linear least squares, and the lower tail of sample covariance matrices. *Annals of Statistics*, 50(4):2157–2178, August 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-4/Exact-minimax-risk-for-linear-least-squares-and-the-lower/10.1214/22-AOS2181.full>.

Mies:2023:EMF

- [MP23] Fabian Mies and Mark Podolskij. Estimation of mixed fractional stable processes using high-frequency data. *Annals of Statistics*, 51(5):1946–1964, October 2023. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-51/issue-5/Estimation-of-mixed-fractional-stable-processes-using-high-frequency-data/10.1214/23-AOS2312.full>.

Meyer:2020:EVF

- [MPK20] Marco Meyer, Efstathios Paparoditis, and Jens-Peter Kreiss. Extending the validity of frequency domain bootstrap methods to general stationary processes. *Annals of Statistics*, 48(4):2404–2427, August 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-48/issue-4/Extending-the-validity-of-frequency-domain-bootstrap-methods-to-general/10.1214/19-AOS1892.full>.

Mao:2020:TOE

- [MPW20] Cheng Mao, Ashwin Pananjady, and Martin J. Wainwright. Towards optimal estimation of bivariate isotonic matrices with unknown permutations. *Annals of Statistics*, 48(6):3183–3205, December 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-48/issue-6/Towards-optimal-estimation-of-bivariate-isotonic-matrices-with-unknown-permutations/10.1214/20-AOS1952.full>.

org/journals/annals-of-statistics/volume-48/issue-6/
Towards-optimal-estimation-of-bivariate-isotonic-matrices-
with-unknown-permutations/10.1214/19-AOS1925.full.

Ma:2023:OTC

- [MPW23] Cong Ma, Reese Pathak, and Martin J. Wainwright. Optimally tackling covariate shift in RKHS-based nonparametric regression. *Annals of Statistics*, 51(2):738–761, April 2023. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-51/issue-2/Optimally-tackling-covariate-shift-in-RKHS-based-nonparametric-regression/10.1214/23-AOS2268.full>.

Maruyama:2020:ABE

- [MS20] Yuzo Maruyama and William E. Strawderman. Admissible Bayes equivariant estimation of location vectors for spherically symmetric distributions with unknown scale. *Annals of Statistics*, 48(2):1052–1071, April 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/euclid.aos/1590480045>.

Mure:2021:PRP

- [Mur21] Joseph Muré. Propriety of the reference posterior distribution in Gaussian process modeling. *Annals of Statistics*, 49(4):2356–2377, August 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-4/Propriety-of-the-reference-posterior-distribution-in-Gaussian-process-modeling/10.1214/20-AOS2040.full>.

Montanari:2021:ELR

- [MV21] Andrea Montanari and Ramji Venkataramanan. Estimation of low-rank matrices via approximate message passing. *Annals of Statistics*, 49(1):321–345, February 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-1/Estimation-of-low-rank-matrices-via-approximate-message-passing/10.1214/20-AOS1958.full>.

Mao:2022:LMP

- [MW22] Cheng Mao and Yihong Wu. Learning mixtures of permutations: Groups of pairwise comparisons and combinatorial method of

moments. *Annals of Statistics*, 50(4):2231–2255, August 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-4/Learning-mixtures-of-permutations--Groups-of-pairwise-comparisons-and/10.1214/22-AOS2185.full>.

Montanari:2024:FLL

- [MW24] Andrea Montanari and Yuchen Wu. Fundamental limits of low-rank matrix estimation with diverging aspect ratios. *Annals of Statistics*, 52(4):1460–1484, August 2024. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-52/issue-4/Fundamental-limits-of-low-rank-matrix-estimation-with-diverging-aspect/10.1214/24-AOS2400.full>.

Ma:2023:BWC

- [MWW23] Xinwei Ma, Jingshen Wang, and Chong Wu. Breaking the winner’s curse in Mendelian randomization: Rerandomized inverse variance weighted estimator. *Annals of Statistics*, 51(1):211–232, February 2023. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-51/issue-1/Breaking-the-winners-curse-in-Mendelian-randomization--Rerandomized-inverse/10.1214/22-AOS2247.full>.

Mei:2023:SVD

- [MWY23] Tianxing Mei, Chen Wang, and Jianfeng Yao. On singular values of data matrices with general independent columns. *Annals of Statistics*, 51(2):624–645, April 2023. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-51/issue-2/On-singular-values-of-data-matrices-with-general-independent-columns/10.1214/23-AOS2263.full>.

Mendelson:2020:RCE

- [MZ20] Shahar Mendelson and Nikita Zhivotovskiy. Robust covariance estimation under. *Annals of Statistics*, 48(3):1648–1664, June 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL https://projecteuclid.org/journals/annals-of-statistics/volume-48/issue-3/Robust-covariance-estimation-under-L_4-L_2-norm-equivalence/10.1214/19-AOS1862.full.

Montanari:2022:IPT

- [MZ22] Andrea Montanari and Yiqiao Zhong. The interpolation phase transition in neural networks: Memorization and generalization under lazy training. *Annals of Statistics*, 50(5):2816–2847, October 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-5/The-interpolation-phase-transition-in-neural-networks--Memorization-and/10.1214/22-AOS2211.full>.

Neykov:2021:MOC

- [NBW21] Matey Neykov, Sivaraman Balakrishnan, and Larry Wasserman. Minimax optimal conditional independence testing. *Annals of Statistics*, 49(4):2151–2177, August 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-4/Minimax-optimal-conditional-independence-testing/10.1214/20-AOS2030.full>.

Niu:2024:RMX

- [NCDK24] Ziang Niu, Abhinav Chakraborty, Oliver Dukes, and Eugene Katsevich. Reconciling model- X and doubly robust approaches to conditional independence testing. *Annals of Statistics*, 52(3):895–921, June 2024. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-52/issue-3/Reconciling-model-X-and-doubly-robust-approaches-to-conditional-independence/10.1214/24-AOS2372.full>.

Ndaoud:2022:SOR

- [Nda22] Mohamed Ndaoud. Sharp optimal recovery in the two component Gaussian mixture model. *Annals of Statistics*, 50(4):2096–2126, August 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-4/Sharp-optimal-recovery-in-the-two-component-Gaussian-mixture-model/10.1214/22-AOS2178.full>.

Nickl:2024:CID

- [Nic24] Richard Nickl. Consistent inference for diffusions from low frequency measurements. *Annals of Statistics*, 52(2):519–549, April 2024. CODEN ASTSC7. ISSN 0090-5364

(print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-52/issue-2/Consistent-inference-for-diffusions-from-low-frequency-measurements/10.1214/24-AOS2357.full>.

Najafi:2021:SLS

- [NIS⁺21] Amir Najafi, Saeed Ilchi, Amir Hossein Saberi, Seyed Abolfazl Motahari, Babak H. Khalaj, and Hamid R. Rabiee. On statistical learning of simplices: Unmixing problem revisited. *Annals of Statistics*, 49(3):1626–1655, June 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-3/On-statistical-learning-of-simplices-Unmixing-problem-revisited/10.1214/20-AOS2016.full>.

Nevo:2021:ASL

- [NLS21] Daniel Nevo, Judith J. Lok, and Donna Spiegelman. Analysis of “learn-as-you-go” (LAGO) studies. *Annals of Statistics*, 49(2):793–819, April 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-2/Analysis-of-learn-as-you-go-LAGO-studies/10.1214/20-AOS1978.full>.

Nickl:2020:NSI

- [NR20] Richard Nickl and Kolyan Ray. Nonparametric statistical inference for drift vector fields of multi-dimensional diffusions. *Annals of Statistics*, 48(3):1383–1408, June 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-48/issue-3/Nonparametric-statistical-inference-for-drift-vector-fields-of-multi-dimensional/10.1214/19-AOS1851.full>.

Nickl:2024:PCD

- [NT24] Richard Nickl and Edriss S. Titi. On posterior consistency of data assimilation with Gaussian process priors: The 2D-Navier–Stokes equations. *Annals of Statistics*, 52(4):1825–1844, August 2024. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-52/issue-4/On-posterior-consistency-of-data-assimilation-with-Gaussian-process-priors/10.1214/24-AOS2427.full>.

Niles-Weed:2022:MES

- [NWB22] Jonathan Niles-Weed and Quentin Berthet. Minimax estimation of smooth densities in Wasserstein distance. *Annals of Statistics*, 50(3):1519–1540, June 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-3/Minimax-estimation-of-smooth-densities-in-Wasserstein-distance/10.1214/21-AOS2161.full>.

Ohn:2024:AVB

- [OL24] Ilsang Ohn and Lizhen Lin. Adaptive variational Bayes: Optimality, computation and applications. *Annals of Statistics*, 52(1):335–363, February 2024. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-52/issue-1/Adaptive-variational-Bayes-Optimality-computation-and-applications/10.1214/23-AOS2349.full>.

Oh:2022:GEB

- [OQC22] Eun Jeong Oh, Min Qian, and Ying Kuen Cheung. Generalization error bounds of dynamic treatment regimes in penalized regression-based learning. *Annals of Statistics*, 50(4):2047–2071, August 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-4/Generalization-error-bounds-of-dynamic-treatment-regimes-in-penalized-regression/10.1214/22-AOS2171.full>.

Ortelli:2021:PBH

- [OvdG21] Francesco Ortelli and Sara van de Geer. Prediction bounds for higher order total variation regularized least squares. *Annals of Statistics*, 49(5):2755–2773, October 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-5/Prediction-bounds-for-higher-order-total-variation-regularized-least-squares/10.1214/21-AOS2054.full>.

Obloj:2021:RES

- [OW21] Jan Obłój and Johannes Wiesel. Robust estimation of superhedging prices. *Annals of Statistics*, 49(1):508–530, February 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (elec-

tronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-1/Robust-estimation-of-superhedging-prices/10.1214/20-AOS1966.full>.

Panigrahi:2023:CMF

- [Pan23] Snigdha Panigrahi. Carving model-free inference. *Annals of Statistics*, 51(6):2318–2341, December 2023. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-51/issue-6/Carving-model-free-inference/10.1214/23-AOS2318.full>.

Paul:2020:SMF

- [PC20] Subhadeep Paul and Yuguo Chen. Spectral and matrix factorization methods for consistent community detection in multi-layer networks. *Annals of Statistics*, 48(1):230–250, February 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/euclid.aos/1581930133>.

Pilliat:2023:OPE

- [PCV23] Emmanuel Pilliat, Alexandra Carpentier, and Nicolas Verzele. Optimal permutation estimation in CrowdSourcing problems. *Annals of Statistics*, 51(3):935–961, June 2023. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-51/issue-3/Optimal-Permutation-Estimation-in-CrowdSourcing-problems/10.1214/23-AOS2271.full>.

Pompe:2020:FAM

- [PHL20] Emilia Pompe, Chris Holmes, and Krzysztof Latuszyński. A framework for adaptive MCMC targeting multimodal distributions. *Annals of Statistics*, 48(5):2930–2952, October 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-48/issue-5/A-framework-for-adaptive-MCMC-targeting-multimodal-distributions/10.1214/19-AOS1916.full>.

Petersen:2021:WTC

- [PLD21] Alexander Petersen, Xi Liu, and Afshin A. Divani. Wasserstein F -tests and confidence bands for the Fréchet regression of density response curves. *Annals of Statistics*, 49(1):

590–611, February 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-1/Wasserstein-F-tests-and-confidence-bands-for-the-Fr%20c3%a9chet-regression/10.1214/20-AOS1971.full>.

Pananjady:2020:WCV

- [PMM⁺20] Ashwin Pananjady, Cheng Mao, Vidya Muthukumar, Martin J. Wainwright, and Thomas A. Courtade. Worst-case versus average-case design for estimation from partial pairwise comparisons. *Annals of Statistics*, 48(2):1072–1097, April 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/euclid.aos/1590480046>.

Pollak:2021:RTR

- [Pol21] Moshe Pollak. A rule of thumb: Run lengths to false alarm of many types of control charts run in parallel on dependent streams are asymptotically independent. *Annals of Statistics*, 49(1):557–567, February 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-1/A-rule-of-thumb--Run-lengths-to-false-alarm/10.1214/20-AOS1968.full>.

Perez-Ortiz:2024:SGI

- [POLdHG24] Muriel Felipe Pérez-Ortiz, Tyron Lardy, Rianne de Heide, and Peter D. Grünwald. E-statistics, group invariance and anytime-valid testing. *Annals of Statistics*, 52(4):1410–1432, August 2024. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-52/issue-4/E-statistics-group-invariance-and-anytime-valid-testing/10.1214/24-AOS2394.full>.

Padoan:2022:CBI

- [PR22] Simone A. Padoan and Stefano Rizzelli. Consistency of Bayesian inference for multivariate max-stable distributions. *Annals of Statistics*, 50(3):1490–1518, June 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-3/Consistency-of-Bayesian-inference-for-multivariate-max-stable-distributions/10.1214/21-AOS2160.full>.

Paindaveine:2020:TPC

- [PRV20] Davy Paindaveine, Julien Remy, and Thomas Verdebout. Testing for principal component directions under weak identifiability. *Annals of Statistics*, 48(1):324–345, February 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/euclid.aos/1581930137>.

Porter:2020:BHM

- [PS20] Thomas Porter and Michael Stewart. Beyond HC: More sensitive tests for rare/weak alternatives. *Annals of Statistics*, 48(4):2230–2252, August 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-48/issue-4/Beyond-HC-More-sensitive-tests-for-rareweak-alternatives/10.1214/19-AOS1885.full>.

Pananjady:2022:IRU

- [PS22] Ashwin Pananjady and Richard J. Samworth. Isotonic regression with unknown permutations: Statistics, computation and adaptation. *Annals of Statistics*, 50(1):324–350, February 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-1/Isotonic-regression-with-unknown-permutations-Statistics-computation-and-adaptation/10.1214/21-AOS2107.full>.

Pilipovic:2024:PEN

- [PSD24] Predrag Pilipovic, Adeline Samson, and Susanne Ditlevsen. Parameter estimation in nonlinear multivariate stochastic differential equations based on splitting schemes. *Annals of Statistics*, 52(2):842–867, April 2024. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-52/issue-2/Parameter-estimation-in-nonlinear-multivariate-stochastic-differential-equations-based-on/10.1214/24-AOS2371.full>.

Panigrahi:2021:IMP

- [PTW21] Snigdha Panigrahi, Jonathan Taylor, and Asaf Weinstein. Integrative methods for post-selection inference under convex constraints. *Annals of Statistics*, 49(5):2803–2824, October 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals->

of-statistics/volume-49/issue-5/Integrative-methods-for-post-selection-inference-under-convex-constraints/10.1214/21-AOS2057.full.

Paindaveine:2020:ISL

- [PV20a] Davy Paindaveine and Thomas Verdebout. Inference for spherical location under high concentration. *Annals of Statistics*, 48(5):2982–2998, October 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-48/issue-5/Inference-for-spherical-location-under-high-concentration/10.1214/19-AOS1918.full>.

Patilea:2020:GAC

- [PV20b] Valentin Patilea and Ingrid Van Keilegom. A general approach for cure models in survival analysis. *Annals of Statistics*, 48(4):2323–2346, August 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-48/issue-4/A-general-approach-for-cure-models-in-survival-analysis/10.1214/19-AOS1889.full>.

Pang:2021:CMO

- [PWLL21] Shanqi Pang, Jing Wang, Dennis K. J. Lin, and Min-Qian Liu. Construction of mixed orthogonal arrays with high strength. *Annals of Statistics*, 49(5):2870–2884, October 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-5/Construction-of-mixed-orthogonal-arrays-with-high-strength/10.1214/21-AOS2063.full>.

Qiu:2023:ANE

- [QLY23] Jiaxin Qiu, Zeng Li, and Jianfeng Yao. Asymptotic normality for eigenvalue statistics of a general sample covariance matrix when. *Annals of Statistics*, 51(3):1427–1451, June 2023. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-51/issue-3/Asymptotic-normality-for-eigenvalue-statistics-of-a-general-sample-covariance/10.1214/23-AOS2300.full>.

Qiu:2024:EMR

- [QTD24] Hongxiang Qiu, Eric Tchetgen Tchetgen, and Edgar Dobriban. Efficient and multiply robust risk estimation under general forms of dataset shift. *Annals of Statistics*, 52(4):1796–1824, August 2024. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-52/issue-4/Efficient-and-multiply-robust-risk-estimation-under-general-forms-of/10.1214/24-AOS2422.full>.

Reeve:2021:ATL

- [RCS21] Henry W. J. Reeve, Timothy I. Cannings, and Richard J. Samworth. Adaptive transfer learning. *Annals of Statistics*, 49(6):3618–3649, December 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-6/Adaptive-transfer-learning/10.1214/21-AOS2102.full>.

Reeve:2023:OSS

- [RCS23] Henry W. J. Reeve, Timothy I. Cannings, and Richard J. Samworth. Optimal subgroup selection. *Annals of Statistics*, 51(6):2342–2365, December 2023. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-51/issue-6/Optimal-subgroup-selection/10.1214/23-AOS2328.full>.

Rodriguez-Casal:2022:DAM

- [RCSN22] Alberto Rodríguez-Casal and Paula Saavedra-Nieves. A data-adaptive method for estimating density level sets under shape conditions. *Annals of Statistics*, 50(3):1653–1668, June 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-3/A-data-adaptive-method-for-estimating-density-level-sets-under/10.1214/21-AOS2168.full>.

Richardson:2023:NMP

- [RERS23] Thomas S. Richardson, Robin J. Evans, James M. Robins, and Ilya Shpitser. Nested Markov properties for acyclic directed mixed graphs. *Annals of Statistics*, 51(1):334–361, February 2023. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/>

annals-of-statistics/volume-51/issue-1/Nested-Markov-properties-for-acyclic-directed-mixed-graphs/10.1214/22-AOS2253.full.

Rottger:2023:TPM

- [REZ23] Frank Röttger, Sebastian Engelke, and Piotr Zwiernik. Total positivity in multivariate extremes. *Annals of Statistics*, 51(3):962–1004, June 2023. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-51/issue-3/Total-positivity-in-multivariate-extremes/10.1214/23-AOS2272.full>.

Rytgaard:2022:CTT

- [RGvdL22] Helene C. Rytgaard, Thomas A. Gerds, and Mark J. van der Laan. Continuous-time targeted minimum loss-based estimation of intervention-specific mean outcomes. *Annals of Statistics*, 50(5):2469–2491, October 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-5/Continuous-time-targeted-minimum-loss-based-estimation-of-intervention-specific/10.1214/21-AOS2114.full>.

Roycraft:2023:BPB

- [RKP23] Benjamin Roycraft, Johannes Krebs, and Wolfgang Polonik. Bootstrapping persistent Betti numbers and other stabilizing statistics. *Annals of Statistics*, 51(4):1484–1509, August 2023. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-51/issue-4/Bootstrapping-persistent-Betti-numbers-and-other-stabilizing-statistics/10.1214/23-AOS2277.full>.

Rohde:2020:GRC

- [RS20a] Angelika Rohde and Lukas Steinberger. Geometrizing rates of convergence under local differential privacy constraints. *Annals of Statistics*, 48(5):2646–2670, October 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-48/issue-5/Geometrizing-rates-of-convergence-under-local-differential-privacy-constraints/10.1214/19-AOS1901.full>.

Rousseau:2020:AFC

- [RS20b] Judith Rousseau and Botond Szabo. Asymptotic frequentist coverage properties of Bayesian credible sets for sieve priors. *Annals of Statistics*, 48(4):2155–2179, August 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-48/issue-4/Asymptotic-frequentist-coverage-properties-of-Bayesian-credible-sets-for-sieve/10.1214/19-AOS1881.full>.

Rousseau:2024:WCB

- [RS24] Judith Rousseau and Catia Scricciolo. Wasserstein convergence in Bayesian and frequentist deconvolution models. *Annals of Statistics*, 52(4):1691–1715, August 2024. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-52/issue-4/Wasserstein-convergence-in-Bayesian-and-frequentist-deconvolution-models/10.1214/24-AOS2413.full>.

Reiss:2020:NBA

- [RSH20] Markus Reiß and Johannes Schmidt-Hieber. Nonparametric Bayesian analysis of the compound Poisson prior for support boundary recovery. *Annals of Statistics*, 48(3):1432–1451, June 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-48/issue-3/Nonparametric-Bayesian-analysis-of-the-compound-Poisson-prior-for-support/10.1214/19-AOS1853.full>.

Roquain:2022:FDR

- [RV22] Etienne Roquain and Nicolas Verzelen. False discovery rate control with unknown null distribution: Is it possible to mimic the oracle? *Annals of Statistics*, 50(2):1095–1123, April 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-2/False-discovery-rate-control-with-unknown-null-distribution--Is/10.1214/21-AOS2141.full>.

Rockova:2020:PCB

- [RvdP20] Veronika Rocková and Stéphanie van der Pas. Posterior concentration for Bayesian regression trees and forests.

Annals of Statistics, 48(4):2108–2131, August 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-48/issue-4/Posterior-concentration-for-Bayesian-regression-trees-and-forests/10.1214/19-AOS1879.full>.

Ray:2020:SBC

- [RvdV20] Kolyan Ray and Aad van der Vaart. Semiparametric Bayesian causal inference. *Annals of Statistics*, 48(5):2999–3020, October 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-48/issue-5/Semiparametric-Bayesian-causal-inference/10.1214/19-AOS1919.full>.

Reiss:2020:NUB

- [RW20a] Markus Reiß and Martin Wahl. Nonasymptotic upper bounds for the reconstruction error of PCA. *Annals of Statistics*, 48(2):1098–1123, April 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/euclid.aos/1590480047>.

Royset:2020:VAC

- [RW20b] Johannes O. Royset and Roger J-B Wets. Variational analysis of constrained M -estimators. *Annals of Statistics*, 48(5):2759–2790, October 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-48/issue-5/Variational-analysis-of-constrained-M-estimators/10.1214/19-AOS1905.full>.

Reiss:2023:IMR

- [RW23] Markus Reiss and Lars Winkelmann. Inference on the maximal rank of time-varying covariance matrices using high-frequency data. *Annals of Statistics*, 51(2):791–815, April 2023. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-51/issue-2/Inference-on-the-maximal-rank-of-time-varying-covariance-matrices/10.1214/23-AOS2273.full>.

Rao:2021:RGW

- [RY21] Suhasini Subba Rao and Junho Yang. Reconciling the Gaussian and Whittle likelihood with an application to estimation in the frequency domain. *Annals of Statistics*, 49(5): 2774–2802, October 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-5/Reconciling-the-Gaussian-and-Whittle-likelihood-with-an-application-to/10.1214/21-AOS2055.full>.

Savje:2021:ATE

- [SAH21] Fredrik Sävje, Peter M. Aronow, and Michael G. Hudgens. Average treatment effects in the presence of unknown interference. *Annals of Statistics*, 49(2):673–701, April 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-2/Average-treatment-effects-in-the-presence-of-unknown-interference/10.1214/20-AOS1973.full>.

Sell:2024:NCM

- [SBC24] Torben Sell, Thomas B. Berrett, and Timothy I. Cannings. Non-parametric classification with missing data. *Annals of Statistics*, 52(3):1178–1200, June 2024. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-52/issue-3/Nonparametric-classification-with-missing-data/10.1214/24-AOS2389.full>.

Silin:2022:CTN

- [SF22] Igor Silin and Jianqing Fan. Canonical thresholding for nonspare high-dimensional linear regression. *Annals of Statistics*, 50(1): 460–486, February 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-1/Canonical-thresholding-for-nonspare-high-dimensional-linear-regression/10.1214/21-AOS2116.full>.

Song:2024:CAD

- [SF24] Yanglei Song and Georgios Fellouris. Change acceleration and detection. *Annals of Statistics*, 52(3):1050–1075, June 2024. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-52/issue-3/Change-acceleration-and-detection/10.1214/24-AOS2400.full>.

of-statistics/volume-52/issue-3/Change-acceleration-and-detection/10.1214/24-AOS2382.full.

Saha:2020:NML

- [SG20] Sujayam Saha and Adityanand Guntuboyina. On the nonparametric maximum likelihood estimator for Gaussian location mixture densities with application to Gaussian denoising. *Annals of Statistics*, 48(2):738–762, April 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/euclid.aos/1590480032>.

Shen:2020:OEV

- [SGWH20] Yandi Shen, Chao Gao, Daniela Witten, and Fang Han. Optimal estimation of variance in nonparametric regression with random design. *Annals of Statistics*, 48(6):3589–3618, December 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-48/issue-6/Optimal-estimation-of-variance-in-nonparametric-regression-with-random-design/10.1214/20-AOS1944.full>.

Schmidt-Hieber:2020:NRU

- [SH20a] Johannes Schmidt-Hieber. Nonparametric regression using deep neural networks with ReLU activation function. *Annals of Statistics*, 48(4):1875–1897, August 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-48/issue-4/Nonparametric-regression-using-deep-neural-networks-with-ReLU-activation-function/10.1214/19-AOS1875.full>. See discussion [Kut20] and correction [SHV24].

Shen:2020:HFE

- [SH20b] Jinqi Shen and Tailen Hsing. Hurst function estimation. *Annals of Statistics*, 48(2):838–862, April 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/euclid.aos/1590480036>.

Shi:2022:UCF

- [SHDH22] Hongjian Shi, Marc Hallin, Mathias Drton, and Fang Han. On universally consistent and fully distribution-free rank tests of vector independence. *Annals of Statistics*, 50(4):1933–1959, August 2022. CODEN ASTSC7. ISSN 0090-5364

(print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-4/On-universally-consistent-and-fully-distribution-free-rank-tests-of/10.1214/21-AOS2151.full>.

Schmidt-Hieber:2021:PAB

- [SHSS⁺21] Johannes Schmidt-Hieber, Laura Fee Schneider, Thomas Staudt, Andrea Krajina, Timo Aspelmeier, and Axel Munk. Posterior analysis of n in the binomial. *Annals of Statistics*, 49(6): 3534–3558, December 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-6/Posterior-analysis-of-n-in-the-binomial-np-problem-with/10.1214/21-AOS2096.full>.

Schmidt-Hieber:2024:CNR

- [SHV24] Johannes Schmidt-Hieber and Don Vu. Correction to “Nonparametric regression using deep neural networks with ReLU activation function”. *Annals of Statistics*, 52(1):413–414, February 2024. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-52/issue-1/Correction-to-Nonparametric-regression-using-deep-neural-networks-with-ReLU/10.1214/24-AOS2351.full>. See [SH20a].

Spector:2022:PKM

- [SJ22] Asher Spector and Lucas Janson. Powerful knockoffs via minimizing reconstructability. *Annals of Statistics*, 50(1):252–276, February 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-1/Powerful-knockoffs-via-minimizing-reconstructability/10.1214/21-AOS2104.full>.

Steinberger:2023:CPI

- [SL23] Lukas Steinberger and Hannes Leeb. Conditional predictive inference for stable algorithms. *Annals of Statistics*, 51(1): 290–311, February 2023. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-51/issue-1/Conditional-predictive-inference-for-stable-algorithms/10.1214/22-AOS2250.full>.

Shao:2022:IRF

- [SLY22] Lingxuan Shao, Zhenhua Lin, and Fang Yao. Intrinsic Riemannian functional data analysis for sparse longitudinal observations. *Annals of Statistics*, 50(3):1696–1721, June 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-3/Intrinsic-Riemannian-functional-data-analysis-for-sparse-longitudinal-observations/10.1214/22-AOS2172.full>.

Syring:2020:RRO

- [SM20] Nicholas Syring and Ryan Martin. Robust and rate-optimal Gibbs posterior inference on the boundary of a noisy image. *Annals of Statistics*, 48(3):1498–1513, June 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-48/issue-3/Robust-and-rate-optimal-Gibbs-posterior-inference-on-the-boundary/10.1214/19-AOS1856.full>.

Schoen:2023:OAO

- [SM23] Eric D. Schoen and Robert W. Mee. Order-of-addition orthogonal arrays to study the effect of treatment ordering. *Annals of Statistics*, 51(4):1877–1894, August 2023. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-51/issue-4/Order-of-addition-orthogonal-arrays-to-study-the-effect-of/10.1214/23-AOS2317.full>.

Stoltenberg:2022:CSD

- [SMZ22] Emil A. Stoltenberg, Per A. Mykland, and Lan Zhang. A CLT for second difference estimators with an application to volatility and intensity. *Annals of Statistics*, 50(4):2072–2095, August 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-4/A-CLT-for-second-difference-estimators-with-an-application-to/10.1214/22-AOS2176.full>.

Schell:2023:NIC

- [SO23] Alexander Schell and Harald Oberhauser. Nonlinear independent component analysis for discrete-time and continuous-time signals. *Annals of Statistics*, 51(2):487–518, April 2023.

CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-51/issue-2/Nonlinear-independent-component-analysis-for-discrete-time-and-continuous-time/10.1214/23-AOS2256.full>.

Shah:2020:HCI

- [SP20] Rajen D. Shah and Jonas Peters. The hardness of conditional independence testing and the generalised covariance measure. *Annals of Statistics*, 48(3):1514–1538, June 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-48/issue-3/The-hardness-of-conditional-independence-testing-and-the-generalised-covariance/10.1214/19-AOS1857.full>.

Sanders:2020:CBM

- [SPY20] Jaron Sanders, Alexandre Proutière, and Se-Young Yun. Clustering in Block Markov Chains. *Annals of Statistics*, 48(6):3488–3512, December 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-48/issue-6/Clustering-in-Block-Markov-Chains/10.1214/19-AOS1939.full>.

Schweinberger:2020:CCR

- [SS20] Michael Schweinberger and Jonathan Stewart. Concentration and consistency results for canonical and curved exponential-family models of random graphs. *Annals of Statistics*, 48(1):374–396, February 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/euclid.aos/1581930139>.

Sriperumbudur:2022:AKP

- [SS22] Bharath K. Sriperumbudur and Nicholas Sterge. Approximate kernel PCA: Computational versus statistical trade-off. *Annals of Statistics*, 50(5):2713–2736, October 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-5/Approximate-kernel-PCA-Computational-versus-statistical-trade-off/10.1214/22-AOS2204.full>.

Spencer:2023:PSL

- [SS23] Neil A. Spencer and Cosma Rohilla Shalizi. Projective, sparse and learnable latent position network models. *Annals of Statistics*, 51(6):2506–2525, December 2023. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-51/issue-6/Projective-sparse-and-learnable-latent-position-network-models/10.1214/23-AOS2340.full>.

Shi:2021:CVI

- [SSL21] Chengchun Shi, Rui Song, and Wenbin Lu. Concordance and value information criteria for optimal treatment decision. *Annals of Statistics*, 49(1):49–75, February 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-1/Concordance-and-value-information-criteria-for-optimal-treatment-decision/10.1214/19-AOS1908.full>.

Stankewitz:2024:ES

- [Sta24] Bernhard Stankewitz. Early stopping for L^2 -boosting in high-dimensional linear models. *Annals of Statistics*, 52(2):491–518, April 2024. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-52/issue-2/Early-stopping-for-L2-boosting-in-high-dimensional-linear-models/10.1214/24-AOS2356.full>.

Sherlock:2021:EDA

- [STG21] Chris Sherlock, Alexandre H. Thiery, and Andrew Golightly. Efficiency of delayed-acceptance random walk Metropolis algorithms. *Annals of Statistics*, 49(5):2972–2990, October 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-5/Efficiency-of-delayed-acceptance-random-walk-Metropolis-algorithms/10.1214/21-AOS2068.full>.

Strawderman:2021:CSC

- [Str21] William E. Strawderman. On Charles Stein’s contributions to (in)admissibility. *Annals of Statistics*, 49(4):1823–1835, August 2021. CODEN ASTSC7. ISSN 0090-5364

(print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-4/On-Charles-Steins-contributions-to-inadmissibility/10.1214/21-AOS2108.full>.

Szabo:2023:OHD

- [SVvZ23] Botond Szabó, Lasse Vuursteen, and Harry van Zanten. Optimal high-dimensional and nonparametric distributed testing under communication constraints. *Annals of Statistics*, 51(3):909–934, June 2023. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-51/issue-3/Optimal-high-dimensional-and-nonparametric-distributed-testing-under-communication-constraints/10.1214/23-AOS2269.full>.

Szabo:2020:ADM

- [SvZ20] Botond Szabó and Harry van Zanten. Adaptive distributed methods under communication constraints. *Annals of Statistics*, 48(4):2347–2380, August 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-48/issue-4/Adaptive-distributed-methods-under-communication-constraints/10.1214/19-AOS1890.full>.

Shao:2007:AST

- [SW07] Xiaofeng Shao and Wei Biao Wu. Asymptotic spectral theory for nonlinear time series. *Annals of Statistics*, 35(4):1773–1801, August 2007. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <http://projecteuclid.org/euclid.aos/1188405630>. See correction [ZSW22].

Schramm:2022:CBE

- [SW22] Tselil Schramm and Alexander S. Wein. Computational barriers to estimation from low-degree polynomials. *Annals of Statistics*, 50(3):1833–1858, June 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-3/Computational-barriers-to-estimation-from-low-degree-polynomials/10.1214/22-AOS2179.full>.

Schmidt:2021:ATC

- [SWFD21] Sara K. Schmidt, Max Wornowizki, Roland Fried, and Herold Dehling. An asymptotic test for constancy of the variance un-

der short-range dependence. *Annals of Statistics*, 49(6):3460–3481, December 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-6/An-asymptotic-test-for-constancy-of-the-variance-under-short/10.1214/21-AOS2092.full>.

She:2021:AGB

- [SWJ21] Yiyuan She, Zhifeng Wang, and Jiuwu Jin. Analysis of generalized Bregman surrogate algorithms for nonsmooth non-convex statistical learning. *Annals of Statistics*, 49(6):3434–3459, December 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-6/Analysis-of-generalized-Bregman-surrogate-algorithms-for-nonsmooth-nonconvex-statistical/10.1214/21-AOS2090.full>.

Sourisseau:2022:AAS

- [SWZ22] Matt Sourisseau, Hau-Tieng Wu, and Zhou Zhou. Asymptotic analysis of synchrosqueezing transform-toward statistical inference with nonlinear-type time-frequency analysis. *Annals of Statistics*, 50(5):2694–2712, October 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-5/Asymptotic-analysis-of-synchrosqueezing-transform-toward-statistical-inference-with-nonlinear-type/10.1214/22-AOS2203.full>.

Soloff:2024:EDC

- [SXF24] Jake A. Soloff, Daniel Xiang, and William Fithian. The edge of discovery: Controlling the local false discovery rate at the margin. *Annals of Statistics*, 52(2):580–601, April 2024. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-52/issue-2/The-edge-of-discovery--Controlling-the-local-false-discovery/10.1214/24-AOS2359.full>.

Tan:2020:MAI

- [Tan20] Zhiqiang Tan. Model-assisted inference for treatment effects using regularized calibrated estimation with high-dimensional data. *Annals of Statistics*, 48(2):811–837, April 2020. CODEN

ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/euclid.aos/1590480035>.

Telschow:2023:EEE

- [TCPS23] Fabian J. E. Telschow, Dan Cheng, Pratyush Pranav, and Armin Schwartzman. Estimation of expected Euler characteristic curves of nonstationary smooth random fields. *Annals of Statistics*, 51(5):2272–2297, October 2023. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-51/issue-5/Estimation-of-expected-Euler-characteristic-curves-of-nonstationary-smooth-random/10.1214/23-AOS2337.full>.

Tian:2020:PEA

- [Tia20] Xiaoying Tian. Prediction error after model search. *Annals of Statistics*, 48(2):763–784, April 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/euclid.aos/1590480033>.

Tan:2020:SSO

- [TSY20] Kai Tan, Lei Shi, and Zhou Yu. Sparse SIR: Optimal rates and adaptive estimation. *Annals of Statistics*, 48(1):64–85, February 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/euclid.aos/1581930126>.

Thepaut:2024:OES

- [TV24] Solène Thépaut and Nicolas Verzelen. Optimal estimation of Schatten norms of a rectangular matrix. *Annals of Statistics*, 52(4):1334–1359, August 2024. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-52/issue-4/Optimal-estimation-of-Schatten-norms-of-a-rectangular-matrix/10.1214/24-AOS2374.full>.

Tang:2021:WEF

- [TX21] Yu Tang and Hongquan Xu. Wordlength enumerator for fractional factorial designs. *Annals of Statistics*, 49(1):255–271, February 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-1/Wordlength-enumerator-for-fractional-factorial-designs/10.1214/20-AOS1955.full>.

Tang:2023:MRD

- [TY23] Rong Tang and Yun Yang. Minimax rate of distribution estimation on unknown submanifolds under adversarial losses. *Annals of Statistics*, 51(3):1282–1308, June 2023. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-51/issue-3/Minimax-rate-of-distribution-estimation-on-unknown-submanifolds-under-adversarial-10.1214/23-AOS2291.full>.

Tang:2020:PGE

- [TYZ20] Niansheng Tang, Xiaodong Yan, and Xingqiu Zhao. Penalized generalized empirical likelihood with a diverging number of general estimating equations for censored data. *Annals of Statistics*, 48(1):607–627, February 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/euclid.aos/1581930149>.

vanDelft:2024:GFQ

- [vDD24] Anne van Delft and Holger Dette. A general framework to quantify deviations from structural assumptions in the analysis of nonstationary function-valued processes. *Annals of Statistics*, 52(2):550–579, April 2024. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-52/issue-2/A-general-framework-to-quantify-deviations-from-structural-assumptions-in/10.1214/24-AOS2358.full>.

vandeGeer:2021:WVZ

- [vdGK21] Sara van de Geer and Chris A. J. Klaassen. Willem van Zwet, teacher and thesis advisor. *Annals of Statistics*, 49(5):2448–2456, October 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-5/Willem-van-Zwet-teacher-and-thesis-advisor/10.1214/21-AOS2069.full>.

vanderVaart:2021:SEN

- [vdVW21] A. W. van der Vaart and J. A. Wellner. Stein 1956: Efficient nonparametric testing and estimation. *Annals of Statistics*, 49(4):1836–1849, August 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-4/>

Stein-1956-Efficient-nonparametric-testing-and-estimation/10.1214/21-AOS2056.full.

Velasco:2022:ETS

- [Vel22] Carlos Velasco. Estimation of time series models using residuals dependence measures. *Annals of Statistics*, 50(5):3039–3063, October 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-5/Estimation-of-time-series-models-using-residuals-dependence-measures/10.1214/22-AOS2220.full>.

Verzelen:2023:OCP

- [VFLRB23] Nicolas Verzelen, Magalie Fromont, Matthieu Lerasle, and Patricia Reynaud-Bouret. Optimal change-point detection and localization. *Annals of Statistics*, 51(4):1586–1610, August 2023. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-51/issue-4/Optimal-change-point-detection-and-localization/10.1214/23-AOS2297.full>.

Vovk:2021:VCC

- [VW21] Vladimir Vovk and Ruodu Wang. E-values: Calibration, combination and applications. *Annals of Statistics*, 49(3):1736–1754, June 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-3/E-values-Calibration-combination-and-applications/10.1214/20-AOS2020.full>.

Vovk:2022:AWM

- [VWW22] Vladimir Vovk, Bin Wang, and Ruodu Wang. Admissible ways of merging p-values under arbitrary dependence. *Annals of Statistics*, 50(1):351–375, February 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-1/Admissible-ways-of-merging-p-values-under-arbitrary-dependence/10.1214/21-AOS2109.full>.

Westling:2020:USN

- [WC20] Ted Westling and Marco Carone. A unified study of nonparametric inference for monotone functions. *Annals of Statistics*, 48(2):1001–1024, April 2020. CODEN ASTSC7. ISSN 0090-5364

(print), 2168-8966 (electronic). URL <https://projecteuclid.org/euclid.aos/1590480043>.

Wang:2023:CCI

- [WG23] Kang Wang and Subhashis Ghosal. Coverage of credible intervals in Bayesian multivariate isotonic regression. *Annals of Statistics*, 51(3):1376–1400, June 2023. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-51/issue-3/Coverage-of-credible-intervals-in-Bayesian-multivariate-isotonic-regression/10.1214/23-AOS2298.full>.

Wang:2022:DMR

- [WGS⁺22] Jingshu Wang, Lin Gui, Weijie J. Su, Chiara Sabatti, and Art B. Owen. Detecting multiple replicating signals using adaptive filtering procedures. *Annals of Statistics*, 50(4):1890–1909, August 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-4/Detecting-multiple-replicating-signals-using-adaptive-filtering-procedures/10.1214/21-AOS2139.full>.

Wang:2022:RDC

- [WL22] Yuhao Wang and Xinran Li. Rerandomization with diminishing covariate imbalance and diverging number of covariates. *Annals of Statistics*, 50(6):3439–3465, December 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-6/Rerandomization-with-diminishing-covariate-imbalance-and-diverging-number-of-covariates/10.1214/22-AOS2235.full>.

Wang:2021:TLP

- [WM21] Chunyan Wang and Robert W. Mee. Two-level parallel flats designs. *Annals of Statistics*, 49(5):3015–3042, October 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-5/Two-level-parallel-flats-designs/10.1214/21-AOS2071.full>.

Wei:2022:CFM

- [WN22] Yun Wei and XuanLong Nguyen. Convergence of de Finetti's mixing measure in latent structure models for observed exchangeable sequences. *Annals of Statistics*, 50(4):1859–1889, August 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-4/Convergence-of-de-Finettis-mixing-measure-in-latent-structure-models/10.1214/21-AOS2120.full>.

Waghmare:2022:CCK

- [WP22] Kartik G. Waghmare and Victor M. Panaretos. The completion of covariance kernels. *Annals of Statistics*, 50(6):3281–3306, December 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-6/The-completion-of-covariance-kernels/10.1214/22-AOS2228.full>.

Wang:2023:PSA

- [WQW23] Jiayi Wang, Zhengling Qi, and Raymond K. W. Wong. Projected state-action balancing weights for offline reinforcement learning. *Annals of Statistics*, 51(4):1639–1665, August 2023. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-51/issue-4/Projected-state-action-balancing-weights-for-offline-reinforcement-learning/10.1214/23-AOS2302.full>.

Wang:2020:HTH

- [WS20] Runmin Wang and Xiaofeng Shao. Hypothesis testing for high-dimensional time series via self-normalization. *Annals of Statistics*, 48(5):2728–2758, October 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-48/issue-5/Hypothesis-testing-for-high-dimensional-time-series-via-self-normalization/10.1214/19-AOS1904.full>.

Weinstein:2023:PAM

- [WSB⁺23] Asaf Weinstein, Weijie J. Su, Małgorzata Bogdan, Rina Foygel Barber, and Emmanuel J. Candès. A power analysis for model-X knockoffs with ℓ_p -regularized statistics. *Annals of Statistics*, 51

(3):1005–1029, June 2023. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-51/issue-3/A-power-analysis-for-model-X-knockoffs-with-%e2%84%93p-regularized/10.1214/23-AOS2274.full>.

Wang:2023:ROR

- [WT23] Di Wang and Ruey S. Tsay. Rate-optimal robust estimation of high-dimensional vector autoregressive models. *Annals of Statistics*, 51(2):846–877, April 2023. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-51/issue-2/Rate-optimal-robust-estimation-of-high-dimensional-vector-autoregressive-models/10.1214/23-AOS2278.full>.

Wang:2020:WBE

- [WWM20] Shuaiwen Wang, Haolei Weng, and Arian Maleki. Which bridge estimator is the best for variable selection? *Annals of Statistics*, 48(5):2791–2823, October 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-48/issue-5/Which-bridge-estimator-is-the-best-for-variable-selection/10.1214/19-AOS1906.full>.

Wang:2024:SHF

- [WWZ⁺24] Wen Wang, Shihao Wu, Ziwei Zhu, Ling Zhou, and Peter X.-K. Song. Supervised homogeneity fusion: a combinatorial approach. *Annals of Statistics*, 52(1):285–310, February 2024. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-52/issue-1/Supervised-homogeneity-fusion-A-combinatorial-approach/10.1214/23-AOS2347.full>.

Wu:2020:OEG

- [WY20] Yihong Wu and Pengkun Yang. Optimal estimation of Gaussian mixtures via denoised method of moments. *Annals of Statistics*, 48(4):1981–2007, August 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-48/issue-4/Optimal-estimation-of-Gaussian-mixtures-via-denoised-method-of-moments/10.1214/19-AOS1873.full>.

Wang:2021:OCP

- [WYR21] Daren Wang, Yi Yu, and Alessandro Rinaldo. Optimal change point detection and localization in sparse dynamic networks. *Annals of Statistics*, 49(1):203–232, February 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-1/Optimal-change-point-detection-and-localization-in-sparse-dynamic-networks/10.1214/20-AOS1953.full>.

Wong:2022:SLC

- [WZL22] Kin Yau Wong, Donglin Zeng, and D. Y. Lin. Semiparametric latent-class models for multivariate longitudinal and survival data. *Annals of Statistics*, 50(1):487–510, February 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-1/Semiparametric-latent-class-models-for-multivariate-longitudinal-and-survival-data/10.1214/21-AOS2117.full>.

Wang:2022:ICP

- [WZVS22] Runmin Wang, Changbo Zhu, Stanislav Volgushev, and Xiaofeng Shao. Inference for change points in high-dimensional data via selfnormalization. *Annals of Statistics*, 50(2):781–806, April 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-2/Inference-for-change-points-in-high-dimensional-data-via-selfnormalization/10.1214/21-AOS2127.full>.

Xu:2020:ORC

- [XJL20] Min Xu, Varun Jog, and Po-Ling Loh. Optimal rates for community estimation in the weighted stochastic block model. *Annals of Statistics*, 48(1):183–204, February 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/euclid.aos/1581930131>.

Xu:2023:IIM

- [XM23] Yuanzhe Xu and Sumit Mukherjee. Inference in Ising models on dense regular graphs. *Annals of Statistics*, 51(3):1183–1206, June 2023. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org>.

org/journals/annals-of-statistics/volume-51/issue-3/
Inference-in-Ising-models-on-dense-regular-graphs/10.
1214/23-AOS2286.full.

Xu:2021:HDN

- [XS21] Min Xu and Richard J. Samworth. High-dimensional non-parametric density estimation via symmetry and shape constraints. *Annals of Statistics*, 49(2):650–672, April 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-2/High-dimensional-nonparametric-density-estimation-via-symmetry-and-shape-constraints/10.1214/20-AOS1972.full>.

Xu:2024:CPI

- [XWZY24] Haotian Xu, Daren Wang, Zifeng Zhao, and Yi Yu. Change-point inference in high-dimensional regression models under temporal dependence. *Annals of Statistics*, 52(3):999–1026, June 2024. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-52/issue-3/Change-point-inference-in-high-dimensional-regression-models-under-temporal/10.1214/24-AOS2380.full>.

Xue:2020:DCF

- [XY20] Kaijie Xue and Fang Yao. Distribution and correlation-free two-sample test of high-dimensional means. *Annals of Statistics*, 48(3):1304–1328, June 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-48/issue-3/Distribution-and-correlation-free-two-sample-test-of-high-dimensional/10.1214/19-AOS1848.full>.

Xi:2020:CEE

- [XY20] Haokai Xi, Fan Yang, and Jun Yin. Convergence of eigenvector empirical spectral distribution of sample covariance matrices. *Annals of Statistics*, 48(2):953–982, April 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/euclid.aos/1590480041>.

Xia:2021:SOC

- [XYZ21] Dong Xia, Ming Yuan, and Cun-Hui Zhang. Statistically optimal and computationally efficient low rank tensor com-

pletion from noisy entries. *Annals of Statistics*, 49(1):76–99, February 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-1/Statistically-optimal-and-computationally-efficient-low-rank-tensor-completion-from/10.1214/20-AOS1942.full>. ■

Xia:2022:ILR

- [XZZ22] Dong Xia, Anru R. Zhang, and Yuchen Zhou. Inference for low-rank tensors — no need to debias. *Annals of Statistics*, 50(2):1220–1245, April 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-2/Inference-for-low-rank-tensorsno-need-to-debias/10.1214/21-AOS2146.full>.

Yan:2024:IHP

- [YCF24] Yuling Yan, Yuxin Chen, and Jianqing Fan. Inference for heteroskedastic PCA with missing data. *Annals of Statistics*, 52(2):729–756, April 2024. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-52/issue-2/Inference-for-heteroskedastic-PCA-with-missing-data/10.1214/24-AOS2366.full>.

Yu:2024:BEL

- [YKN24] Haihan Yu, Mark S. Kaiser, and Daniel J. Nordman. A blockwise empirical likelihood method for time series in frequency domain inference. *Annals of Statistics*, 52(3):1152–1177, June 2024. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-52/issue-3/A-blockwise-empirical-likelihood-method-for-time-series-in-frequency/10.1214/24-AOS2388.full>. ■

Yuan:2022:TCS

- [YLFS22] Mingao Yuan, Ruiqi Liu, Yang Feng, and Zuofeng Shang. Testing community structure for hypergraphs. *Annals of Statistics*, 50(1):147–169, February 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-1/Testing-community-structure-for-hypergraphs/10.1214/21-AOS2099.full>.

Yadlowsky:2022:BCA

- [YNB⁺22] Steve Yadlowsky, Hongseok Namkoong, Sanjay Basu, John Duchi, and Lu Tian. Bounds on the conditional and average treatment effect with unobserved confounding factors. *Annals of Statistics*, 50(5):2587–2615, October 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-5/Bounds-on-the-conditional-and-average-treatment-effect-with-unobserved/10.1214/22-AOS2195.full>.

Yuan:2021:CDD

- [YQ21] Yubai Yuan and Annie Qu. Community detection with dependent connectivity. *Annals of Statistics*, 49(4):2378–2428, August 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-4/Community-detection-with-dependent-connectivity/10.1214/20-AOS2042.full>.

Ye:2021:DIV

- [YSK21] Ting Ye, Jun Shao, and Hyunseung Kang. Debiased inverse-variance weighted estimator in two-sample summary-data Mendelian randomization. *Annals of Statistics*, 49(4):2079–2100, August 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-4/Debiased-inverse-variance-weighted-estimator-in-two-sample-summary-data/10.1214/20-AOS2027.full>.

Yan:2024:LGM

- [YWR24] Yuling Yan, Kaizheng Wang, and Philippe Rigollet. Learning Gaussian mixtures using the Wasserstein–Fisher–Rao gradient flow. *Annals of Statistics*, 52(4):1774–1795, August 2024. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-52/issue-4/Learning-Gaussian-mixtures-using-the-WassersteinFisherRao-gradient-flow/10.1214/24-AOS2416.full>.

Yang:2022:TTU

- [YZZ22] Wenhao Yang, Liangyu Zhang, and Zhihua Zhang. Toward theoretical understandings of robust Markov decision processes: Sam-

ple complexity and asymptotics. *Annals of Statistics*, 50(6): 3223–3248, December 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-6/Toward-theoretical-understandings-of-robust-Markov-decision-processes--Sample/10.1214/22-AOS2225.full>.

Zhang:2023:ACS

- [ZA23] Linfan Zhang and Arash A. Amini. Adjusted chi-square test for degree-corrected block models. *Annals of Statistics*, 51(6): 2366–2385, December 2023. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-51/issue-6/Adjusted-chi-square-test-for-degree-corrected-block-models/10.1214/23-AOS2329.full>.

Zhou:2023:CAB

- [ZC23] Quan Zhou and Hyunwoong Chang. Complexity analysis of Bayesian learning of high-dimensional DAG models and their equivalence classes. *Annals of Statistics*, 51(3): 1058–1085, June 2023. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-51/issue-3/Complexity-analysis-of-Bayesian-learning-of-high-dimensional-DAG-models/10.1214/23-AOS2280.full>.

Zhang:2022:HPA

- [ZCW22] Anru R. Zhang, T. Tony Cai, and Yihong Wu. Heteroskedastic PCA: Algorithm, optimality, and applications. *Annals of Statistics*, 50(1):53–80, February 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-1/Heteroskedastic-PCA-Algorithm-optimality-and-applications/10.1214/21-AOS2074.full>.

Zhao:2022:RDB

- [ZD22] Anqi Zhao and Peng Ding. Reconciling design-based and model-based causal inferences for split-plot experiments. *Annals of Statistics*, 50(2):1170–1192, April 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-2/Reconciling-design-based-and-model-based-causal-inferences-for-split/10.1214/21-AOS2144.full>.

Zrnic:2024:LSI

- [ZF24] Tijana Zrnic and William Fithian. Locally simultaneous inference. *Annals of Statistics*, 52(3):1227–1253, June 2024. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-52/issue-3/Locally-simultaneous-inference/10.1214/24-AOS2391.full>.

Zhang:2020:CRV

- [ZG20] Fengshuo Zhang and Chao Gao. Convergence rates of variational posterior distributions. *Annals of Statistics*, 48(4):2180–2207, August 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-48/issue-4/Convergence-rates-of-variational-posterior-distributions/10.1214/19-AOS1883.full>.

Zhang:2024:GWD

- [ZGMS24] Zhengxin Zhang, Ziv Goldfeld, Youssef Mroueh, and Bharath K. Sriperumbudur. Gromov–Wasserstein distances: Entropic regularization, duality and sample complexity. *Annals of Statistics*, 52(4):1616–1645, August 2024. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-52/issue-4/GromovWasserstein-distances-Entropic-regularization-duality-and-sample-complexity/10.1214/24-AOS2406.full>.

Zhao:2022:PCA

- [ZGV22] Yue Zhao, Irène Gijbels, and Ingrid Van Keilegom. Parametric copula adjusted for non- and semiparametric regression. *Annals of Statistics*, 50(2):754–780, April 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-2/Parametric-copula-adjusted-for-non--and-semiparametric-regression/10.1214/21-AOS2126.full>.

Zhilova:2020:NBE

- [Zhi20] Mayya Zhilova. Nonclassical Berry–Esseen inequalities and accuracy of the bootstrap. *Annals of Statistics*, 48(4):1922–1939, August 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-48/issue-4/Nonclassical->

BerryEsseen-inequalities-and-accuracy-of-the-bootstrap/10.1214/18-AOS1802.full.

Zhilova:2022:NET

- [Zhi22] Mayya Zhilova. New Edgeworth-type expansions with finite sample guarantees. *Annals of Statistics*, 50(5):2545–2561, October 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-5/New-Edgeworth-type-expansions-with-finite-sample-guarantees/10.1214/22-AOS2192.full>.

Zrnic:2023:PSI

- [ZJ23] Tijana Zrnic and Michael I. Jordan. Post-selection inference via algorithmic stability. *Annals of Statistics*, 51(4):1666–1691, August 2023. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-51/issue-4/Post-selection-inference-via-algorithmic-stability/10.1214/23-AOS2303.full>.

Zhu:2022:GRR

- [ZJS22] Banghua Zhu, Jiantao Jiao, and Jacob Steinhardt. Generalized resilience and robust statistics. *Annals of Statistics*, 50(4):2256–2283, August 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-4/Generalized-resilience-and-robust-statistics/10.1214/22-AOS2186.full>.

Zhang:2024:SCV

- [ZL24] Lu Zhang and Junwei Lu. StarTrek: Combinatorial variable selection with false discovery rate control. *Annals of Statistics*, 52(1):78–102, February 2024. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-52/issue-1/StarTrek-Combinatorial-variable-selection-with-false-discovery-rate-control/10.1214/23-AOS2296.full>.

Zhang:2022:OBR

- [ZLN22] Qihao Zhang, Soumendra N. Lahiri, and Daniel J. Nordman. On optimal block resampling for Gaussian-subordinated long-range dependent processes. *Annals of Statistics*, 50(6):3619–3646, December 2022. CODEN ASTSC7. ISSN 0090-5364

(print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-6/On-optimal-block-resampling-for-Gaussian-subordinated-long-range-dependent/10.1214/22-AOS2242.full>.

Zhao:2022:EFM

- [ZLSK22] Anqi Zhao, Youjin Lee, Dylan S. Small, and Bikram Karmakar. Evidence factors from multiple, possibly invalid, instrumental variables. *Annals of Statistics*, 50(3):1266–1296, June 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-3/Evidence-factors-from-multiple-possibly-invalid-instrumental-variables/10.1214/21-AOS2148.full>.

Zhong:2022:DLP

- [ZMW22] Qixian Zhong, Jonas Mueller, and Jane-Ling Wang. Deep learning for the partially linear Cox model. *Annals of Statistics*, 50(3):1348–1375, June 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-3/Deep-learning-for-the-partially-linear-Cox-model/10.1214/21-AOS2153.full>.

Zhang:2022:RRR

- [ZP22] Yunyi Zhang and Dimitris N. Politis. Ridge regression revisited: Debiasing, thresholding and bootstrap. *Annals of Statistics*, 50(3):1401–1422, June 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-3/Ridge-regression-revisited-Debiasing-thresholding-and-bootstrap/10.1214/21-AOS2156.full>.

Zhu:2020:EBS

- [ZS20] Guangyu Zhu and Zhihua Su. Envelope-based sparse partial least squares. *Annals of Statistics*, 48(1):161–182, February 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/euclid.aos/1581930130>.

Zhang:2022:SSG

- [ZS22] Tianyu Zhang and Noah Simon. A sieve stochastic gradient descent estimator for online nonparametric regression

in Sobolev ellipsoids. *Annals of Statistics*, 50(5):2848–2871, October 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-5/A-sieve-stochastic-gradient-descent-estimator-for-online-nonparametric-regression/10.1214/22-AOS2212.full>.

Zhang:2022:CNS

- [ZSW22] Yi Zhang, Xiaofeng Shao, and Weibiao Wu. Correction note: Asymptotic spectral theory for nonlinear time series. *Annals of Statistics*, 50(5):3088–3089, October 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-5/Correction-note-Asymptotic-spectral-theory-for-nonlinear-time-series/10.1214/22-AOS2206.full>. See [SW07].

Zou:2021:MBS

- [ZVB21] Nan Zou, Stanislav Volgushev, and Axel Bücher. Multiple block sizes and overlapping blocks for multivariate time series extremes. *Annals of Statistics*, 49(1):295–320, February 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-1/Multiple-block-sizes-and-overlapping-blocks-for-multivariate-time-series/10.1214/20-AOS1957.full>.

Zhang:2021:CCS

- [ZW21] Danna Zhang and Wei Biao Wu. Convergence of covariance and spectral density estimates for high-dimensional locally stationary processes. *Annals of Statistics*, 49(1):233–254, February 2021. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-49/issue-1/Convergence-of-covariance-and-spectral-density-estimates-for-high-dimensional/10.1214/20-AOS1954.full>.

Zhao:2020:SIT

- [ZWH⁺20] Qingyuan Zhao, Jingshu Wang, Gibran Hemani, Jack Bowden, and Dylan S. Small. Statistical inference in two-sample summary-data Mendelian randomization using robust adjusted profile score. *Annals of Statistics*, 48(3):1742–1769, June 2020. CODEN ASTSC7. ISSN 0090-5364

(print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-48/issue-3/Statistical-inference-in-two-sample-summary-data-Mendelian-randomization-using/10.1214/19-AOS1866.full>.

Zou:2020:CSN

- [ZWL20] Changliang Zou, Guanghui Wang, and Runze Li. Consistent selection of the number of change-points via sample-splitting. *Annals of Statistics*, 48(1):413–439, February 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/euclid.aos/1581930141>.

Zhang:2022:EEN

- [ZX22] Yuan Zhang and Dong Xia. Edgeworth expansions for network moments. *Annals of Statistics*, 50(2):726–753, April 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-2/Edgeworth-expansions-for-network-moments/10.1214/21-AOS2125.full>.

Zhou:2024:RBI

- [ZXZL24] Yeqing Zhou, Kai Xu, Liping Zhu, and Runze Li. Rank-based indices for testing independence between two high-dimensional vectors. *Annals of Statistics*, 52(1):184–206, February 2024. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-52/issue-1/Rank-based-indices-for-testing-independence-between-two-high-dimensional/10.1214/23-AOS2339.full>.

Zhang:2020:TCG

- [ZZ20] Anderson Y. Zhang and Harrison H. Zhou. Theoretical and computational guarantees of mean field variational inference for community detection. *Annals of Statistics*, 48(5):2575–2598, October 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-48/issue-5/Theoretical-and-computational-guarantees-of-mean-field-variational-inference-for/10.1214/19-AOS1898.full>.

Zhang:2022:AIS

- [ZZPZ22] Zhixiang Zhang, Shurong Zheng, Guangming Pan, and Ping-Shou Zhong. Asymptotic independence of spiked eigenvalues

and linear spectral statistics for large sample covariance matrices. *Annals of Statistics*, 50(4):2205–2230, August 2022. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-50/issue-4/Asymptotic-independence-of-spiked-eigenvalues-and-linear-spectral-statistics-for/10.1214/22-AOS2183.full>.

Zhu:2020:DBR

- [ZZYS20] Changbo Zhu, Xianyang Zhang, Shun Yao, and Xiaofeng Shao. Distance-based and RKHS-based dependence metrics in high dimension. *Annals of Statistics*, 48(6):3366–3394, December 2020. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-48/issue-6/Distance-based-and-RKHS-based-dependence-metrics-in-high-dimension/10.1214/19-AOS1934.full>.

Zhao:2024:BRP

- [ZZZ24] Bingxin Zhao, Shurong Zheng, and Hongtu Zhu. On blockwise and reference panel-based estimators for genetic data prediction in high dimensions. *Annals of Statistics*, 52(3):948–965, June 2024. CODEN ASTSC7. ISSN 0090-5364 (print), 2168-8966 (electronic). URL <https://projecteuclid.org/journals/annals-of-statistics/volume-52/issue-3/On-blockwise-and-reference-panel-based-estimators-for-genetic-data/10.1214/24-AOS2378.full>.