A Bibliography of Publications about Benford’s Law, Heaps’ Law, and Zipf’s Law

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: http://www.math.utah.edu/~beebe/

09 June 2021
Version 1.138

Title word cross-reference

(0, 1) [BNS10a, BNS10b]. (3x + 1) [Sin03]. (m, k) [AI99]. 1
[Ant91, BB76, Kem75, Ku69, MN08a, Sch91a, Sri13, Sze10]. 1/f
[BTW87, Che12b, KA84, MS83, Nic88, NT89]. 2 [Bha12, LP15, PGLL10].
$29.95 [Ale05]. 3 [CNS15]. 3n + 1 [Wir98]. 3x + 1
[KM05, Lag85, LW92, Lag03, LS05, LS06, Lag10, MK05, Sim07]. 80/20
[Lip09]. [0, 1] [CI96]. A [Fle66]. A(n, α)B [LZN11]. b [Ber15b]. β [NWR09].
mod1 [Cig64, Dia77, Sch83b, Sch84, Sch88a, Tsu52]. ∪ [LS11]. d = 0 [LS11].
H [KPK05, KPK06]. $H_\infty$ [Sch83a, Tic87]. j [PU86, UP85]. k
[LWY10, MAE06, XLW14]. k = 2 [AI99]. L [KM05, MK05]. log p [Sur93].
m = 6 [AI99]. $H_\infty$ [Sch87b]. N! [Kun87]. N
[Rou15, Cha11, CSV96, KR13, Rou76a, VA99]. P [GBA04, SBB01].
P(X_2 < X_1) [Jee97]. π [She12, Zor11]. ψ [GSR12]. Q
[Yua84, Abe02, MML01]. R = Pr(X > Y) [Gun15]. R^d [Ber15a]. ρ [TW11].
XY [RMB+14]. ζ [GSR12].
-exponential [Abe02, MML01]. -function [KPK05, KPK06]. -functions [KM05, MK05]. -gram [Cha11]. -Mathematics [LS11]. -order [Yua84].

0 [Ale05]. 0-691-09983-9 [Ale05]. 06-10-1826R [HYYH08].

1 [Bro98]. 11th [NKZ12]. '12 [NKZ12]. 14th [NKZ12]. 16th [GCB+05].
1800s [Mil15c, Mil15d]. 1826R [HYYH08]. 19 [GBF21, KO20, LHJ20, MM21].


41 [Ano93].

500 [CEZ10]. 573 [Ano50].

9 [Ale05].

acceptance [KMN09]. access [PQ00]. according [AYS16]. Accounting [AA10, Bha02, BK08, Cal13, DHP04, Iud12, Nig93, Nig12, OW12, Wan11b, BL95, FGZZ11a, KB07, LWFW14, Moc02, Nig11e, QW03, Sav04, SS10].
Accuracy [Ben43, LP15, dMH06, HSR+08a, HSR+08b, Has03, ZIUW14].
accurate [ZHS09]. Achieving [MYP14, Est16]. Achilles [Moc17].
Addison [Ano50]. Addison-Wesley [Ano50]. addition [FT86]. additive [BE69, Jec92, MN14, Ree06]. adjusted [Rou92]. Advance [Sta12].
adventures [GM97b]. Adversarial [SJP+15]. AdWords [GML15].
aerobiological [DdA+09]. aeruginosa {CLRTRFM08}. aesthetics [MRM+05, NSGP05]. affiliation [MG15]. after [eSHK05]. Again [Rai85].
against [MP51]. agenda [Nor13]. agent [MG07a]. agent-based [MG07a].
agglomeration [MML01]. agglomerations [GB13]. aggregated [MAC14b].
Aggregation [RRZR09, EKJ+20]. ago [Sch06]. Agrarprodukte [GTM12].
Agree [SW10]. agricultural [GTM12]. Aid [Bau00, NM97]. Air [Pé07, Bro05, Sto16]. al [Bur04, PT04]. al. [MBG+96]. aléatoire [Rou76a].
Alfred [Har09]. algebraic [Var99]. algébriques [Var99]. algebro [ZF15].
algebro-geometric [ZF15]. algorithm
Algorithmic [McAo3, McA05]. algorithmically [TGD05]. Algorithms [Haf13, Knu69, Knu98, BFS03, Yua84]. allocation [HG14, KSH11]. Almost [Dur74, Sch88c]. along [JD11, JD12]. alpha [BMP93]. alternative [BP06, HSR+08a, HSR+08b, Uze10]. Always [Da 20]. ambient [Bro05]. ambiguities [HN05]. Ambiguity [Wil72]. America [Car15, Meb08a]. American [Meb06b, Meb08b, Meb08c]. AMEX [Bar11]. among [AA11, LWF14]. amount [LAL15]. AMR [LYH15]. Amsterdam [AW89]. Analiz [AA10]. Analogous [Can03a, Can03b]. Analyse [Bah15]. analyses [Bat09]. Analysing [PK06]. Analysis [AA10, Ans09, BR15, CS11, CL87b, CT05, Cod09, FWW85, HR10, LDJ89, Lin08, Lin15, MK10, MSA+11, Möi09, Nig96a, Nig97, Nig01, OB13, Ped94, QBP+04, RVAN15, RGE13, RGL14, Sen73, Sim98, SB15, SPGM12, Van15a, Van15b, WG68, WSY11, ZD11, AYS16, Ano05, AA11, AI99, Bah15, BSM15, CSC14, CMHS95, CSV96, DMF09, FDA+04, GFB21, Has03, Jon02, Lan00, LOR06, Man59, MBG+95, MWS99, Mii16b, MS08, Müi03, Nig92, Nig99a, Nig00b, Nig00c, Nil10, Far75, Pos04c, Pos10, RR03, SF11, SH10, Tay05, VA99, Wan11a, dGGd21]. Analytical [KZ15, NM97, Bro05, Bro07, DN00]. analytics [Nig11e]. Analyzing [AR13]. Anastasi [Lim06]. Andersen [Nig05]. Anesthesia [HKKS06, Mar12, HZKS12]. angewendet [GTM12]. anharmonic [Mas06a]. animal [Ano05, DMJH11, MDJH05]. animals [BGP07]. ANN [BXK11]. ANN-based [BXK11]. annotated [Lag03]. Anomalies [Car88, SGW04, Rou09]. Anomalous [Ben38, San02a, San02b, San02c, CI96, Ste93]. anomaly [PT11, Rou14]. anomaux [San02c]. answers [Zen11]. Antiforensics [MFT13]. Anwendbarkeit [BBJ11]. Anwendungsmöglichkeiten [Müi03]. aplicaciones [PT04]. Apparatus [SF11]. Apparent [Kub77, BH74]. Appearance [NKRS15]. applicability [BSW16, BBJ11, STJ09, WSB15, WSB16, YLX14]. Application [AdSPC+76, Bak07, BCCP18, Dun67, FGZZ11a, Fed82a, Fed82b, Gut16, Hsi48, HSM17, Izs06, Jin09a, KŽ08a, ZK09, pLCW04, MRR+10, Nig96b, NM07b, OB13, PGQA+15, Shi09, Wor75, ZSB+12, Boy94, BM14, CSC14, GD14, Hür03, Hür06b, Hür09, Jin09b, KŽ08b, KB03, Mas05d, PGHA07, Sch88a, TRB+12]. Applications [Egg90b, EG12a, EG12b, Fel68, Ism04, Iud12, Müi03, Nig12, Tor06, Ber15b, Dia73, Fer13, FSS07, Gin11, Hill02, Hor09b, Kos15, MM04, MM14, Müi15a, PT04, PT11, Roi03, Krå15]. Applied [NM07a, DaA+09, GTM12, MPS11, Mas06e, NM06, SH10]. Applying [BG11b, CT05, GM12, HSD12]. Apprendre [Rou10]. Approach [MZZH15a, MZZH15b, Müi09, Asa81, ACC16, Bec14, HSR+08a, CL87b, CL87a, Che91, GSR12, HSR+08b, LCJ10, LB14, LSS00, MG07a, Mei09, Nil10]. Approaches [RZS+15]. appropriate [MDJH05]. Approximate [You13, ANVR07]. approximation [BK07, DL07, DL08]. Approximations [BX18, BX19]. April [NKFZ12, Roi03]. arcane [Müi11]. area [Sad10]. Areas [WDB95]. Argentina [CS11]. arguments [AS68, Egg07]. Arithmetic
Basiswahl \[\text{Kre73, Kre75}\]. Batched \[\text{LDJ89}\]. Bayes \[\text{Jee97, McG11, Sol00}\]. Bayesian \[\text{AP89, JKK+08, JKK+09}\]. Be \[\text{HKKS06, LCC+05, Mac14a, Nig93, Sav04}\]. Beale \[\text{Was21}\]. Beautiful \[\text{MPM02}\]. BE \[\text{HKKS06, LCC+05, Mac14a, Nig93, Sav04}\]. Beale \[\text{Was21}\]. Beautiful \[\text{MPM02}\]. beauty \[\text{MA18}\]. BEC \[\text{LS11}\]. Beckmann \[\text{Shi89}\]. been \[\text{OV93}\]. Before \[\text{WHN13}\]. begin \[\text{TFGS07}\]. Begründung \[\text{Hum08}\]. Behaving \[\text{MAV05}\]. Behavior \[\text{BDE+14, BDE+17, Car88, Gor12a, Ano50, AJ14, BMT96, Che95, CCT95, CSV96, MNW+05, Mir14, OV95, RV98}\]. behavioral \[\text{DZ03}\]. Behaviour \[\text{RBXM15, DD06, HKL+06, Sch87a, Zip49}\]. Beijing \[\text{Sto16}\]. Being \[\text{CEZ17, CEZ18}\]. beizukommen \[\text{SHC+12}\]. Belies \[\text{Lee18}\]. benchmarking \[\text{Wal02}\]. Benchmarks \[\text{RGE13}\]. Benford \[\text{Bah15, BCCP18, BP20, Die04a, For10, Haf13, Hum06, Hum18, Moc02, Moc17, MDS09, Mii03, Nig00b, Ole10, Ole14, PT04, Pos04c, Pos10, Tor06, AS05, AA10, AR13, AP10, Ale09, AL14b, AL14a, All97, AR09, AR10, AR11, AYS14, AYS16, ARS11, AOT13, Ano11, Ano13, AG05, AA11, AJ14, AHH14, AHI15, ACC16, Bah15, BSO10, Bal12, Bal15, BNS10a, BNS10b, Ban13, BG09, BG10, BG11a, BGM+11, Ber03, Ber04, Ber05b, Ber05a, Ber05c, BH05, BH07, BH09, BH10a, BH10b, Ber10, BH11b, BH11a, BHK11, Ber11, BE14a, BE14b, BH15b, Ber15a, BH15a, BE15, BH17, BX18, BX19, BK07, BDE+14, BDE+17, Bha12, Bha02, BKS05, BK08, BKK11, BSM14, BSM15, BSO10b, BSO10, BM10, BSWB16, BF09, Bra78, BJJ11, BG11b\]. Benford \[\text{Bro05, Bro07, Bro08, BMP93, Bul11, BK91, Bur09, BS92, BW98, CHL19, CC11, CS09a, CG07, CKT+09, Cio05, CT05, CA12, Con10, CEZ10, CEZ17, CEZ18, CLRTFM08, CSC14, Cra10, CLM15, D’A20, Da 20, DD06, DCH+17, DDS98, Dea99, DMO10, DMO11, DS05, DJ10a, DJ13, Dep08, Die04a, Die04b, Die07, DJ10b, Die12, DdA+09, DN00, DL07, DL08, DHP04, EHM+14, Egg11, EG12a, EG12b, Eli13, EL03, FGZZ11b, FG10, Few09, FGPM12, FGPM16, Frt16, FSS07, GBTB+16, GD08, GD09b, GD09a, GD11, GR07, GW01, GW04, GM12, Gill05, Gill07, GJ10, GC13, GGP09, GJARPAC10, Goo16, Gor12a, Got92, GN02, GP13, GGA03, GJS07, GTM12, GT09, HCS09, HB18, Has02, Hay09, HSD12, HR10, Hill95a, Hill97, Hill02, Hil11, HF16, HV01, Hop16\]. Benford \[\text{Hor09a, HKKS06, HJJYM11, HSM17, Hum06, Hum08, Hum18, Hün07, Hür03, Hür04, Hür06a, Hür06b, Hür09, Hür15a, IHS14, IHWZ17, Iud12, Jam01, JTY14, JTY16, JKK+08, JKK+09, JdlR04, JdlR09, Jas10, JHTS10, JSZ11, Jol01, Jol05, Jol09, JS06, JS09, Jaf09b, KNRS88, KSG+16, KBHR10, KK20, KR12, KR13, Kin12, Kle17, KO20, KM05, Kos15, KZ08a, KZ08b, ZK09, Krä15, KV14, Kre03, Kry09, KP04, KP05, KPK05, KPK06, KB03, KO16, Lac18, LO05, LS06, LCJ15, LHJ20, LSE00, Lee15, LCLW04, LFY15, LF16, LK12, LZN10, Lo08, Low00a, Low00b, LB05, LBC06, LB06b, LG10, LL08, LS11, MRR+10, MM21, Meb06a, Meb06b, Meb06c, Meb08b, Meb08c, Mei11, Mei15, MTT13, Mil04, MK05, MN06a, MN06b, MN08a, MN08b, Mil15a, Mil15b, Mil15c\]. Benford \[\text{Mir14, MAC14b, MA18, Mov02, Moc17, MW04, Mö10, MdSPZ06, Mor06, Mör01, Mü03, Nag84, NS87, NKS90, Nag05, NHD16, NR08, NWR09, Nig93, ...}
Nig96b, NM97, Nig98, Nig00c, NM06, NM07a, NM09, Nig11a, Nig11b, Nig11c, Nig11d, Nig12, Nig15, Nov10, NM07b, Ole10, Ole14, OMNO10, OB13, Pa108, PSM10, Pav81, Pav82, PGHA07, PGQA+15, PT04, PT11, Pet81a, Pet81b, Pha13, PTTV01, Pos04a, Pos04b, Pos04c, Pos10, QZH10, QZHC11, QW03, RMB+14, RGE13, RGBK14, Rav08, Reg12, Reg82, Rob11, RM11, RR09, Ros11, Rou09, Rou15, STJ09, STJ10, STA11, SM06a, Sch88c, Sch88a, Sch88b, Sch88d, Sch89, Sch90, SN91, Sch91a, Sch98, Sch10, Sch08, Sch15, SF01, Sea02a, Sea02b, SS11, Sen73, SLS+16, SW10, SF11, SM11, SPPF17, SB15, Sin74, SID13.

Benford [SID15, Smi97, Smi13, SCD01, SPGM12, Sta10, Str10, SH10, SB93, SCE03, TRB+12, Tao09, Töd09, TBL00, TV21, eTuHwH17, Val12, Van15a, Van15b, Var72, Vog00, Vuk08, WCCK09, Wan11b, Wan11a, Was21, Was81, WSSU08, Wei11, WCPr+07, WSBI15, WSB16, WSY11, Wój13a, Wój13b, Wój14, Yor00, ZH10, Zor11, dGGd21, dVM13, eSHK05].

Benfrord-Gesetz [Hum06, Hum18].

Benford-Gesetzes [Hum08].

Benford-like [GJS07].

Benford-Tests [HB18].

Benford [Pos05, ARS10, Nig01, Sav06, GTM12, Hün07].

Benoit [And11, Baw11, Val11].

BEQS [LS11].

Berichtigung [Kre75].

Bernie [Hen11].

Best [BX18, BX19, Lan04].

Beta [ZSB+12, UP85].

Betrayal [Jud04].

Between [VB08, CL86a, CL86b, Che12a, Egg05b, Egg13, GBa04, Hau95, Hub78, Imm97, LAL15, Nic88, NT89, Or76].

Bevölkerungskonzentration [Aue13]. bevorzugt [Hum18].

Beyond [LY15, Mon01, BBL07, Bro07, EC12, FNP+15, HHC+14, Knu01, SMS10].

biased [VA99].

Biased [Nig00b].

Bible [Sal97].

Bibliographic [Fed82a, Fed82b].

bibliographies [Egg90b].

Bibliography [BH09, Vla79, Hür06a, Lag03, Li11, MS10].

Bibliometric [Fai69, Fai05, Nig80, NGJ03].

Bibliometrics [Per90].

Big [Mil15c, Mil15d].

bin [CM11].

Binary [HM65, CMHS95, Den97].

binomial [Sar73].

Bioinformatics [Tor06].

Biological [GM08].

Biology [SG00, Mel06, ZSB+12].

Biometric [IHWZ17, IHPS14].

birth [AH114, AIH15, KPH10].

Bivariate [CT07, Jee97, GN07].

Black [Sch08].

Bladder [ZSB+12].

blind [MS09, MS10].

Block [JHTS10, LYY09].

Blocs [Lee18].

blogosphere [Dep08].

blood [DA20].

bloop [Her98].

Blunders [Hil11].

body [DG12].

Bolsa [dGGd21].

Book [Ale05, Ano50, Bal66, Gre86, Har09, Lim06, Mel06, Sha89, BBM11b, Gei48].

Boolean [VK90].

bootstrap [Rou15, SH10, VA09].

Bose [Mas05a, Mas05b].

Bosnian [Jas10].

bound [Hür15c].

Bounds [Ken75, BCIS09, DL07, DL08].

Bradford [Asa81, Bas92, Bas94, Boo94, Bro77, Bro79, Bur91, CL86a, CL86b, CL87a, Che95, CCT95, CZ98, DG78, EGG85, Egg86, Egg90b, Egg90a, Fai05, Fai05, Gro67, Has76, HN05, HHC+14, Hub76, Hub78, KLC84, Lei80, MM84, MK79, Mor81, NH07, OV93, OV95, OV97, Per90, PL86, Pop75, PK78, Sud10, Wll72, Wor75].

Bradfordizing [May08].

Braid [dLKHS04a, dLKHS06].

Brain [QBP+04].

Brazil [Soo13].

Brazilian [GBF21, GR07, MR06].

BRD [Bah15].

Breakdown
[AHI14, AHI15, Rou92, BSWB16, KR01]. Breaking [CG07]. Bribery
[Bec14, Brief [Egg10b, EG12b, Gro67, Hub78, KH95, KG72a, Lou92, MK79,
Mit03, Mur73a, Nic87a, Sch75c, Voo74a]. broken [Low00b]. Brown [KsS73].
Bucket [KNT89]. budget [Vog00]. Budgetsindern [Vog00]. Bug [CL04a].
[CGJ10, KP09]. Burridge [Has07]. Bursting [Zom14]. Business
[NCT10, NCT13]. busters [Ano12]. busy [PQ00].

C [Gre86, Sha89, Yul25]. cache [DS01, JK08, VM04]. caching
[HS08, SM06b]. CAD [PGLL10]. Calcul [Poi12]. Calculation
[Lon92, Egg90b, Lou92, Poi12]. calculations [FG10]. Calculus
[ABBM10, Bro79, Uze10]. Calibration [SBB01]. Cambridge
[Ano50, Mel06]. came [Sch06]. Camera [LEC+15]. campaign [CG07]. Can
[AP10, HKKS06, IKC96, LCC+05, Meb15, Mil15c, Mil15d, MWE95, Nig93,
Nig99b, Ano11, RR03, Sav04, Sta10, Meb10b]. Cancer [LY02, ZSB+12].
Capital [Bar11]. cards [Che12c]. cards-shuffling [Che12c]. Carolina
[Meb10d]. Case
[GR07, Lu07, Vuk08, Bro05, CEZ10, Kim12, Knu01, LB06b, Rou92]. cases
[FGZZ11a, GBF21]. Cauchy [EHM+14]. cautionary [Bur04]. Cayley
[SS09]. Cayley-tree-like [SS09]. cells [CLRTFM08]. censored
[KS10, RAV10, TH13, Wu08]. censoring [AS15, SZVHA10, WC03]. Cent
[HKWE14]. Central [MN06a, MN08a, Per96, Tbg98, ZD11]. centuries
[McG11]. Certain [BD70, Gil05, KS73, AS08, Gil07, LG10, Sch88d]. CFE
[Sta10]. Chain [KV14, CS09a, HCS09]. Chains
[BHKR11, JKK+08, JKK+09, KBHR10]. challenge [Bro80b, Lag10]. change
[Tij04, Tij07, Tij12]. change [Nig05, STA11, Zip29]. changes [FMS10].
changing [Bro81]. channel [SPGC10]. channels [MWS99]. Chaos
[LFY15, Sch91b, KA84]. Chaotic [KN90, KN91, NNN89, Nic88, NT89].
Chapter [NEM09]. Characteristic [Egg10a, XS09]. Characterization
[All97, BE14b, BE16, OJM15, Tag70, TA12, Wój14]. characterizations
[TH13]. Characterizing [CNS15, JK08]. Chart [Wil06]. cheats [Sch06].
check [LSS00]. Checking [CEZ10]. Chemical [YSC13]. Chess [BT09].
chiffre [FL84, FL94, FL96, Hifi99b]. chiffres [Var99]. China
[Bar11, BM08, Hol14, Sso13]. Chinese [GB13, Pen10, SW10, ZCW09].
Choice [Kre73, Kre75, SID13, SID15, Hop16]. Choices [Kub77]. Chosen
[Sim98]. cifre [Gin57, Her57]. ciphers [Was21]. Circular [Haf69]. citation
[HHC+14]. citations [CC11]. Cities [Bat08, BS00, Gab99, IO03, Knu01,
MPS11, MG07a, MAC14b, MR06, Pen10, Sem08, Sso05]. City
[DKM07, ZM97, BBL07, CZ04, GLS06, VB08]. city-size [CZ04, GLS06].
clarifying [WSB15, WSB16]. Class [Sim55, CHL19, Man59]. classes
[Bro80b]. Classic [Gor12b]. Classical
[BH10a, BH10b, OV97, RRZR09, Uze10]. Classification
[IHWZ17, IG08, LB06a, LY02, CL05, MRM+05]. Classification-aware
[IG08]. classifiers [CL05]. Classifying [MPM02]. Clinching [GML15].


Communications [Gro67, Hub78, KH95, KG72a, Lou92, MK79, Mur73a, Nic87a, Pet81b, Sch75c, Voo74a, BOT06]. Communities [Vla72]. Companies [Vuk08, Z11, OTT99, Sav06, YD15]. comparative [SH10]. Compare [AP10]. Comparing [Lan04]. Comparison [CW14, Pra88, AYS14, KG72a, KG72b, NG04, SF08]. competing [HSM11].

competition [KZ15]. Complementing [Rou15]. Completely [KP05]. completion [Egg90b]. Complex [Ada11, MK09, NBH+98, GM97b, Pai08, SAG+00, Uze10]. Complexity [BB76, SG00, GSW92, KMNO9, WZS12]. Compliance [Nig96b, dVM13]. components [BS00]. composition [Els78, Hii70]. compressed [MTT13].


confidence [Fer13]. confirms [Aro13]. Conform [HR10, San02a, San02b, San02c]. Conformity [Nig11a, KK20, MAC14b]. Confronting [Kru96a]. conjecture [Ben75, CL04b, Hai69, TW71].

constrained [Izs06]. Constraints [LP15, MZLH15a, MZLH15b].

Constructal [Per07]. Constructing [Cha11]. construction [ZF15, ER02].

contain [Ora17]. content [PQ00, SLS+16]. content-aware [SLS+16].


country [Soo05]. Counts [DCH+17, Meb06a, Meb06c, MK10, Meb10d, Rou92, Tay05, Yeh07]. Cours [LeF82, Par97]. Course [Lee18]. CoV [GBF21]. COVID [GBF21, KO20, LHJ20, MM21]. COVID-19 [GBF21, KO20, LHJ20, MM21].


Cross [DM92, LZN11]. cross-country [Soo05]. cross-linguistic [DM92, SF08]. cross-sections [LZN11]. crude [BCK12].


current [Bar11, MWS99]. curve [Egg06, LHJ20]. curves [ANRV07].

Customs [BCCP18, Lac18]. Cut [Gai06]. Cut-out [Gai06].

cyanobacterium [CLRTFM08]. cycles [Sin07].

D [CNS15, LP15, PGL10]. D. [KPK05]. D.C.L. [Doo10]. damage [HB18].

Dangers [CT05]. Darmstadt [RVAN15]. Darstellungen [Tic88]. Data [AR13, BHM08, BS10b, CH97, CSN09b, Con10, DG10, Die04b, Die07, DHP04, EHM+14, GGP09, Gra10, Gut16, Han07, Hii09a, HHG14, JS09, Kie17, Kos12, Kos13, KV14, Kri10, Lan04, LY02, LB05, Lu07, Mac14a, MRR+10, MM21, MS13, Mil15c, Mil15d, MWE95, MDDK02, NM07a, NM09, Pre81, RGBE11, RGL14, Wag10, Wan11b, WG68, WAT15, YSC13, dMH06, AS15, AYS14, AW89, AP89, AH14, AH15, ACC16, Bah15, Bia15, Bro05, Bro07, HSR+08a, CCC09, CSN07, CSN09a, CA12, DD06, DaA+09, EG12a, EG12b, FGZZ11a, FGZZ11b, GW04, GD14, GJS07, Gro07, GTM12, HSR+08b, Has02, Has03, Hil96, HV01, HRJB02a, HRJB02b, HDV13, HSM17,
[BE14a, LCY +15, Meb10b, BS07, WR03]. Different
[HKKS06, Af10, BP84, Egg90a, Nag05, New81]. Differential
[CGPT15, GAVRRL14]. Difficulties [BG09, BG10, BG11a]. Difficulty
[Hi159a]. Digit [ABBM10, BS10a, CS09b, Die04b, Die07, Dun69, Gor12a,
Hay08a, Hay08b, Hay09, Hi159b, KC86, KBRV04, Kna87, Lin08, LB07, LG78,
LMH99, ML84, Meb08a, MK10, Meb12, MK13, Pos04c, Rai85, Rod04, Sal97,
SM10b, SM10c, Sh10, SM11, St13, AS68, Adh69, AP99, Bia15, Boy94,
BM93, BE09, Cio05, Coh76, CK84, DMF09, FGZ91a, Fle66, FL84, FL94,
FL96, Has03, Hi159b, Hi159c, Hi199b, Hum06, Hum18, Hür15b, Hür15c,
KNRS88, KR13, Kre02, LKL +12, LL08, LL09, LS11, MM15, MSH1, MS12,
MS15, Meb06b, Meb08b, Meb08c, Meb10b, Meb10d, Mir12a, MAC14b, Mir16,
Mü103, NKS90, Nig00b, Poc06, Pos04a, Rai76, Ron14, SM09, SM10d, SM10e,
Sta05, Sur93, TFGS07, XWLD11, Pos10]. Digit-Based [BS10a]. Digital
[AA10, BM13, CNS15, CT05, Cod99, HR10, LOR06, LP15, Nig96a, Nig97,
Nig00b, Nig00c, Nig01, OB13, RGL14, Shi09, BBE10, BBJ11, Lan00, Nig92,
Nig94, Nig99a, RR03, SB15, SH10]. digitalen [BBE10, BBJ11]. Digitized
[MSA +11]. digito [AP99]. Digits
[BS09, Dav76, FG76, FM95, Fri84, HH13, Kos06, Ley96, Meb07, MWE95,
MDDK02, Nig11c, PU86, Pin61, Pre81, Ros12, Shi98, Sun28, Tsa74, Web75,
Whi72, Won69, BKS11, Ber04, Ber05a, BK91, Dia73, Dia77, GSR12, Gin57,
Her57, HS05, HW86, Him07, Jee97, IRU83, Jee92, KR81, KR04, KB07, LC10,
Lem86, LS14, MM50, Meb15, Mir11, Mir12b, Mör01, New81, Nig99c, Pha13,
PK06, Ral99a, STA11, Sar73, Sti45, TW71, Tur82, UP85, Var99, War03a].
Digital [AA10]. Dijkstra [FC14]. dimension [Mas06b]. dimensional
[Ber05c, BBH05, Has07, MS08, SCD01]. dimensions [Bra76]. diophantine
[Tic85]. Direct [Kaf09b, Lu07]. Dirty [NKL03, NKL04, MA18]. disaster
[Mü11]. disciplinary [Boo94]. disclosure [Moc02]. discovering
[GAVRRL14]. discovery [BP06, OMO10]. discrepancies [ACC16].
discrepancy [Kem75]. Discrete
[BE14b, KP09, BE16, Egg90b, KFP15, Mei09, SCD01, Yeh90, Yeh07].
Discrete-Time [BE14b, BE16]. Discussion
[Gra10, Kri10, pLCJ14, MÖ99, ZIUW14, Val12]. Dishonesty [Han07].
disparate [Par75]. distance [Hav95]. Distances [HF16]. Distinguishing
[IKC96]. Distinguishing [LYF15]. Distortion [BHMO8]. distractors
[Hop16]. Distributed
[Blu70, DW15, LEC +15, MYP14, HG14, KR13, MN14, Sch89]. Distribution
[AMP06, AS68, Ami07, Ant91, Axt01, BT09, BGVV99, BD70, CH97, CT07,
Coi77, EHM +14, FG76, iCE10, FGPM12, Fri84, FH45, Ham70, HW87, Ism04,
Jee97, KC86, Kui69, KPK06, Ley96, Lot26, MSSvK08, MYZ67, NP12, PU86,
Pav82, PTTV98, Pin61, Rai99b, Rav08, SDK14, Sch73, Sch88b, SM10b,
SPP17, Sim55, Sim98, Tur87, Vla79, Web75, Won69, XP89, YZ16, ZSB +12,
AAAMAE03, ADAI13, Adh69, Af10, Asa81, BNS10a, BNS10b, Bel88, BBL07,
BS07, Bra76, BK91, Bur91, CH61, Cig64, Cio05, CLM15, Dia73, Dia77, Die04a,
DN10, DN11, DSO1, EMS11, EMS13, FWW85, FP04, FGPM16, Gar11, Gun15,
GTC+07, HZZ14, HW86, Hol69, Hum06, IMS15, Irm97, Jec92, KSG+16, KR81, KR04, KPF15, KN74, KN06, KPK05, LCJ10, Len86, Li92, Loy73. distribution [Mac22, MM50, MML01, MPS11, Man59, Man60, MRSCCS11, MK79, Mir12a, MAC14b, Mir16, Mor81, Mor01, NG04, OM15, OTT99, OV97, OR76, OC83, OM11, Par75, Pav81, Per90, Pet03, PTTV01, PL86, Pos04b, PK78, RAI99, RAV10, RDFM10, SZVHA10, Sch81, Sch83b, Sch83a, Sch84, Sch86, Sch87a, Sch87b, Sch88d, Sco13, Sen08, Sha05, SM09, SS12, SBH+95, Sti45, STM06, Tao09, TW71, Tic85, Tic86, Tic87, Too92, TKP14, Tsu52, Tur82, URS85, VAGE09, WZS12, War03a, Wey15, WC03, Wu08, ZM01, ZDCW12, ZCW09, dCS15, vZ13]. Distributions [BB85, CSN09b, DKM07, Dun67, Fai69, Fai05, For10, JKK+08, Kaf09a, Kon65, LSE00, LB05, Mit03, Mor06, Pre81, Rod04, SM10a, Tsa74, Whi83, Abe02, Bas92, BCC05, BSM14, BG78, CZ04, CM11, CGJ10, CSN07, CSN09a, ER02, GGP03, GLS06, GJS07, GLSW96, GN07, Hai69, HT05a, HT05b, HT06, Hi70, Hi96, HRJB02a, HRJB02b, HDV13, Hir51c, Izs06, JKK+09, JDI04, Jon02, KK20, KUY05, KS10, KG72a, KG72b, KP09, KP04, MBS99, MPS11, Mas05a, MM06, MS33, NK07, New05, Ng92, Per10, Rec06, Tag70, TA12, TH13, eTuHwH17, Yeh02, You13, ZA95, Gre86, Sha89]. distribuzione [Bra76, Her57]. Divergence [HWZ17]. Divergent [Har49, Har91]. dividends [AVV08], dividing [GSR12]. division [Per96]. DNA [Vos96, BHH+96, GÁVRL14, IKC96, MBG+94, MBG+95]. Do [AVV08, iCE10, FDA+04, IHPS14, LLD15, MS13, San02a, San02b, SPP17, TBL00, WHN13, TFGS07, Vog00, San02c]. Doctored [Sud10]. documented [LYY09]. Document [BMLRV10]. Documentation [Fai09, Fai95]. Documents [YLX14, Pet73]. Does [Ber10, GT09, GTC+07, Hay08a, HR10, SW10, DB14, Moc02, SM11]. domain [NHD16]. dominates [Car10]. done [Meb10d]. Double [CS09b, OR07, MTT13, TRB+12]. doubly [Wu08]. Dow [LV94, Nig98]. Dow [McA05]. down [McG11]. Dr. [Yu25]. Drivers [DKM07]. Droplet [Kim12, FM89]. Drug [OMNO10]. DSS# [HYH08]. dual [Egg86, ER02]. Duality [ER02]. dubious [KB07]. d’un [Rou76a]. Duncan [Kui69, Ks73]. d’une [Rou76a]. Duplication [Nig11c]. During [HH13, AA11, MK13, OM11]. Dynamic [CCT95, KNT89, LEC+15, LP15, BBL07, Che95, OV95, Par75, Zip35, Zip65]. dynamical [Ber03, Ber05b, Ber05c, BBH05, Ber11, MG15, Nil10, OR07, SCD01, TBL00, Wir98]. Dynamics [Ber04, Ber05a, KN91, LC15, MZS99, ACCG13, AFS04, HA99, KN90, dLKHS04a, dLKHS06, NNN89, PQ00].


H. [KPK05, Man59]. H.F.D. [KPK06]. Hacker [War03b]. Hadron [SM10b, SM09]. Half [NWR09, BMP93, FG10, NR08]. half-life [FG10].

Half-Lives [NWR09, NR08]. Hall [DB14]. Halstead [Pra88].

Handelsdaten [GT12]. harmful [And09]. harmonic [Per82].


Heritage [NKRS15]. Heterogeneity [LEC+15]. heuristic [BP06]. heuristics [GT99]. heute [Sch06]. Hidden [BHB+96, IG08, SPGC10]. hidden-web [IG08]. Hierarchical [Bas92, JKK+08, Che12a, Che12c, JKK+09]. Hierarchy [Kru96a, Sem08, Che12b, ZF15]. Hilfe [HB18]. Hill [HDV13]. hint [Bat09].

History [Mit03, Sch75b, Pet73]. hitters [BCIS09]. Hold [GT09, FDA+04]. holding [YD15]. homogeneous [CW97]. Hubble [HF16]. Human [LZZ13, NP12, Zip49, Bro80b, FS03, OKO06, Ano50]. Humanities [Mur73b, Hub77, Mur73a]. Humans [Haf13]. hundert [Sch06]. hundred [Sch06]. hybridized [FC14].

Hydrology [NM07a, NM06]. Hyperbolic [Fu69, Fa05, HT05a, HT05b, HT06]. Hypergeometric [BMLRV10].

Hypotheses [BBB01]. hypothesis [BCK12, DDS98].
Investigations [Wan11b, Nig11e]. 
Investigative [Bha02]. 
Investing [Wal03]. 
Investments [AB03]. 
Investors [Bar11, LWFW14]. 
Invitation [MTB06]. 
IR [BSWB16]. 
Iran [Ans09, Mel09, Mel10c]. 
Iranian [Rou14, Bat09, Rou09]. 
Ireland [ACM00]. 
Irregularities [Nig99b, BG11b, FGZ11b, Nig00b, RR03, TMS02]. 
Irrelevance [DMO10]. 
Irrespective [Hay08b]. 
Irrungen [SHC+12]. 
IRS [Her98]. 
ISBN [Ale05]. 
Ising [SS09]. 
Island [PS09]. 
isomorphism [BP06]. 
ISPs [CL05]. 
issues [RRZR09]. 
Italian [Bra76, CEZ17, Gin57, Her57, MAC14b]. 
iterated [Sch88a, Sch91a]. 
IV [Bro81]. 
I've [Nig99b]. 

J [Krä15, Lim06, Yu25]. 
jaguar [GM97b]. 
Jahren [Sch06]. 
Japanese [NG04, SGW04]. 
JCR [AYS16]. 
JCR(R) [AYS14]. 
Jersey [Lim06]. 
Jobs [ZM08]. 
Johannesburg [Sav06]. 
John [Lin06, MM99, MM04, MM14]. 
Join [KNT89, WYTD93, WJDY93]. 
Jones [LV94]. 
Josef [Bal66]. 
Journal [SDK14, DG10, Gra10, Kri10, Mar12, MG07b]. 
Journals [AYS14, CC11, Ora17]. 
JPEG [AOT13, FSS07, LYY09, LZL+12, SF11, TRB+12, ZHS09]. 
JPEG2000 [QZH10]. 
Jules [WHN13]. 
Julian [Ale05]. 
July [PS09]. 
June [ACM00, PS09]. 
Justice [ZM08]. 

Kanunu [AA10]. 
Kauttilya [Bha02]. 
Keenan [Gro67]. 
Keys [SD78]. 
Kfz [HB18]. 
Kfz-Schäden [HB18]. 
kind [Mas07]. 
Kinematics [AFS04]. 
Kinetic [GM08]. 
Kinetics [FM89]. 
Kingsley [VV06]. 
klassische [Sze90]. 
KMUs [Moc17]. 
Knopff [Has07]. 
knowledge [DG12]. 
known [Rou76a]. 
Kolmogorov [Lon92, Lou92]. 
Krylov [TR91]. 

L [Kui69]. 
L. [Gei48]. 
.lsd [Tur84, Tur87]. 
lacunarity [Mas06c]. 
Lady [Wea63, Wea82]. 
lakes [LD04]. 
Lamp [Aro32]. 
landscapes [Bro80c]. 
Language [BHH+96, BMLR10, GS01, IKC96, Mel06, Cha11, DMZ05, FS03, KG72a, KG72b, Par75, Zip32, Zip35, Zip65]. 
Languages [LZZ13, Man53, Rav06, Che91, MPPH06, TST97]. 
Large [Ber10, DCH+17, ZM97, AW89, BGP07, C96, CL05, SM96]. 
Large-Scale [ZM97, SM96]. 
Largely [Bur10a, Bur09]. 
Laser [FNP+15]. 
Last [Nig11c, DMF09]. 
Last-Two [Nig11c]. 
latest [Lin86]. 
Latin [Car15]. 
Lausanne [Par97]. 
Lavelette [Pap02]. 
Law [AL14b, ARS10, Ben38, BH07, Bor20, Bra78, BT37, CSN09b, CBP12, Da 20, GM97a, Hum06, Jol05, Jol09, KN91, LON92, LMH99, LS11, Mir11, Mit03, Moc02, Moc17, MSch06, Nig01, NBH+98, Ole10, Ole14, Pet08, QW03, San02a, SDK14, Sav06, Sch88b, SM10c, Sta14, Ada11, ARMG03, ARS11, Ano93, Ano02, Ano05, Ano07, AG05, AFS04, AA11, Aro13, Aue13, AB03, ANFF16, ACC16, BMM11a, Bak07, Bal12, BNS10a, BNS10b, BBL07, Ben75, Ber03, Ber05b, Ber05a, Ber05c, BBH05, BH11b, BK07, BKS05, BXX11, BCC05, BJS06, BMM10, BP84, BBJ11, Bra76, Bro84, Bro05, Bro07, BMP93,
BK91, BS92, CC11, CI96, CK05, Cha11, Che78, Che80, CL87b, Che91, CW97, Che12a, Che12b, Che12c, CG07, Ci05, CSN07, CSN09a, CEZ10, CEZ17.

law [CEZ18, CMS10, CMFS11, CLR1FM08, Con10, CSV96, D’A20, DMZ05, DD06, Dea93, DJ13, Den97, Dev57, DiA09, DL07, DL08, Dur06, EKJ20, Egg99a, Egg99b, Egg11, EG12a, EG12b, Eli11, EC12, EL03, FWW85, FGZZ11a, FGZZ11b, FG10, iCV18, FS02, FRB05, FS07, Faj04, Gab99, GGPS03, Ga06, GLS06, GB13, GD08, GD09b, GD09a, GM12, GJ10, Goo16, GA03, GSW92, GLSW96, HT05a, HT05b, HT06, Has02, HPV+09, Hi70, Hi74, HW75b, Hi95c, Hi99b, Hi102, HMS11, HN05, HVO1, HSM+14, HSM17, Hür03, Hüro06b, Hüro09, IO03, Irn97, JdlR04, JdlR09, JSZ11, Jol01, Jol06, KNRS88, KN90, KH02, KU05, Kmt01, KA84, KM05, Kos15, Krä15, Kre02, Kre03, KP04, KPK05, KB03, KB07, Lac18, LAL15, LS05, LS06].

law [LH120, LBL01, Li92, LX05, LF16, Lip09, Liu08, LZNR11, Lo08, LCC+05, LBC06, LB06b, LLO8, Mac22, MBS09, MRM+05, MPP06, Man60, Man62, Mas05a, Mas05c, Mas05b, Mas05d, Mas06a, Mas06b, Mas06c, MM06, Mas07, Mas06c, Mas06d, MDJH05, Mi04, MK05, MN08b, Mir12b, MAC14b, MA18, MTT007, MW04, Mon01, Mör01, MR06, Mi11, NG04, Nag84, NS87, NKS90, Nag05, Na03, New05, NR08, NH07, Nic88, NNN89, NT89, Nig0b, Nig0c, NM06, OK006, OT099, OV97, Orl70, Orl76, PBP07, Pa08o, Pao85, Pao81, Pen10, Per10, PT11, Per96, Pet81b, Pet73, Pha13, Poc06, Pop02, Pos04a, Pos04b, Pos10, RRR04, Ree06, Ree03, Reg82, RDFM10, Rou76a, Rou78, Rou05, SMS10, STA11, Sch88a, Sch88d, Sch89, Sch90, SN91, Sch91a, Sch96, SS06, Sea02a].

law [Sem08, SS11, SM10d, SM10e, SLS+16, Sin74, SC01, SR01, Ste93, Str10, Tag70, TW11, Tao09, TBL00, TFGS07, TV21, Tra92, TbG98, TR91, Tlb85, Uro00, Uru11, Wan11a, Wat90a, Wat90b, WH75, XWLD11, Yav74, Yor00, ZS11, Zör15, Zor11, vLvdW05, AS05, AG70, AG72, AA10, AR13, AP10, Ale09, AL14a, All97, AdSPG+76, AY14, AYS16, AOT13, Ano11, Ano13, Aj14, AIH14, AIH15, Bah15, BSO10, Bal15, Ban13, BCCP18, Bas92, Bas94, BG09, BG10, BG11a, BGTM+11, Ben84, Ber04, BH10a, BH10b, Ber10, BH11a, BHKR11, BE14b, BH15b, BH15a, BE16, BH17, BX18, BX19, Bha12, BK08, BT09, Boo94, BSWB16, BF09, BG11b, BOT06, Bro77, Bro79, Bro98, Bul11, Bur10a, Bur09, Bur04, BW98, CHL19, CS09a, CL86a, CL86b, CL87a, Che95, CCT95].

Law [CZ98, CKT+09, CT05, CA12, Con10, CLM+15, DCH+17, DDS98, DMO10, DMO11, DS05, DJ10a, Die05b, Die07, DJ10b, Die12, DN00, DG78, DH04, EHM+14, EC11, Egg95, Egg96, Egg96b, Egg94, Egg07, Egg10b, Egg10c, Eli13, Fed82a, iCE10, Few09, For10, FGPM16, Fru16, Fur46, FK03, GR07, Gei48, GW01, GW04, Gil05, Gil07, GC13, GGP09, GJARPAC10, GN02, GP13, Gro67, GMT12, GT09, Ha13, HCS09, Has76, Hay09, HSD12, HR10, Hll95a, Hll97, Hll11, HF16, Hop16, Hor09a, HKKS06, HYY08, Hub02, Hub76, Hub77, Hub78, HJJYM11, Hum08, Hum18, Hün07, Hüro06a, Hür15a, IMS15, IHPS14, IHWZ17, Ind12, Jam01, JTY14, JTY16, JKK+08, JKK+09, Jas10, JHTS10, Jn09a, Jiu09b, JS09, Kaf08, Kaf09b, KK95, KLC84, KBHR10, KK20, Kim12, Kle17, KO20].

Law
RV98, SS09, Too92]. **Likelihood** [dCS15, GJS07, Izs06]. likely
[Bur10b, OrA17, Sto16]. **Limerick** [ACM00]. **Limit**
[El11, MN0a, Per9a, TB98, KPH10, MN08a, Sze10]. limitation [Cha11].
**Limited** [LZZ13, Liu15]. Limitierungsverfahren [Zel58, ZB70]. Limiting
[CM11, Zel58, ZB70]. **Limits** [Dia73, You13]. line [RDFM10]. linéaires
[DJ10a, DJ13]. **Linear**
[BE14a, BE14b, RM11, Ber15a, BE16, MM15, NS87, SN91, DJ10a, DJ13].
**Linguistic** [KN91, MBG+94, Vos96, DM92, KN90, SF08].
**Linguistics** [KK95, MBG+95, MM06, Mon01, Tag70]. **Linux**
[MSSvK08]. **Lisp** [CG77]. **List** [CG77, Ped94]. list-update [Ped94]. **Listed**
[Vuk08, Sav06]. **Lists** [WAT15]. **Literatur** [SHC+12]. **Literature**
[Eli11, MN06a, Per96, TBG98, KPH10, MN08a, Sze10]. **Lives**
[NWR09, ZM08, BMP93, NR08]. **LL.D** [Doo10]. lobster [GHP09]. local
[CHL19, Dur06, Rou15]. locality [BMM84, VM04]. **Location**
[HM65, RBXM15, Shi89]. Location-Based [RBXM15]. **Log**
log-like [Too92]. log-normal [Bra76, Per10]. log-polar [PGGL10].
Logarithm [NKL04, NKL03, Vos96, Sch88a, Sch91a, TW71]. logarithmes [Fra17].
Logarithmic [BB85, Jon02, Jec92, LB06a, MA18, NKS90, Sch81, Sch86].
Logarithms [BP70, Ku69, KS73, BK07, Fra17]. logbooks [BBJ11]. **Logic**
[Bro20, Kie17]. Logical [GBTB+16]. logistic [OR07]. Lognormal
[Mit03, MPS11]. logonormale [Bra76]. **Loi** [GD09b, Jol05, Jol09, LeF82,
BBM10, DJ10a, DJ13, Dev57, GD08, Hi99b, Pet73, San02c]. Lois
[Rou78, Rou76a, Rou76b]. long [MS83]. Looking [Aro14, Bro98, WHP99].
Lorenz [Egg06]. loss [FT86, HT05a, HT05b, HT06]. Lotka
[Lon92, AdSPG+76, BG15, Bur04, CL86a, CL86b, Col77, Egg85, Egg94,
ER02, Egg05b, Egg10b, Egg10c, ER12, HJ15, HW15, Hub02, Hub77, HK95,
KR01, Kri77, KZ15, Lui15, LC15, Lou92, MM82, MG07b, Mur73a, Mur73b,
NG03, Nic89, OM11, Pao85, Pao86a, Pao86b, Pet08, Pot81, RK79, Rou92,
Row05, SDK14, Sch74, Sch75c, Sch75b, Sch75a, Vla72, Vla76, Vla79, Voo74a,
Voo74b, WDB95, WZS12, Wan15, YLX14, ZF15]. Lotkaian
[Egg05d, Egg05a, Egg05c, Egg09, Egg10a]. Lottery [Sim98]. Loyalty
[Vog00]. Luhn [Los01]. lying [Vog00].

M. [Ano93]. **M32** [KR81]. **MA** [Mel06]. Machine
[CS11, GCB+05, HM65, Kle17, GCB+05]. Machines [Meb06a].
MacRoberts [Sti87]. Macroeconomic [GGP09, NM07b, Bah15]. Made
[Bau13]. Madoff [Hen11]. magnetic [dLKHS04a]. magnitude [BH74].
Maintenance [LeF82]. major [Ora17]. make [GT99]. makes [Hi99b].
Making [Die12, HRJB0a, HRJB02b, ANRV07, CS09a, HCS09, Wal02].
makroökomischen [Bah15]. Malo [NKZ12]. Management
[Hay08b, LP15, Van02, Yoko8, AG08, AA11, Car15, DZ03, LW14, Nig05].
Managers [Rob07, SGW04, AVV08]. managing [WYTD93, WYD93].
Mandelbrot
[And11, Aus14, Lef82, MVW+03, ARMG03, Baw11, BP84, Cha11, Dev57, Egg99a, Egg99b, Fai69, Fai05, GMV09, Izs06, dLKHS04b, dLKHS06, Lef82, MPM02, Mas05a, Mas05d, Mas06c, Mon01, Ori70, Ori76, TW11, Val11, You13].

Manifestation [MG07b]. Manipulation [AHH08, RGE13, AMKMS12, LWFW14]. Manipulationen [Moc02].

Mantegna [MBG+96].

Mantissa [Kon65, Sch88b, Sch81, Sch87a]. Mantissae [BHM08, Sch88c, Sch86]. Mantisse [Sch73].

Mantissa [Kon65, Sch88b, Sch81, Sch87a]. Mantissae [BHM08, Sch88c, Sch86]. Mantisse [Sch73].

Many [MBS99, Tay05]. Map [Sch75a, OR07, Sch75c].

Marey [WHN13]. Market [HH13, RGE13, BCC05, GGPS03, Mas05a, Mas05d]. Marketing [Lu07].

Markets [LK12, BS00, BCM02, CEZ10, DDS98, DK09, LW14].

Markov [BHKR11, KK95, KN90, KBHR10, NNN89]. Markovian [Rou76b, Rou78]. Markovien [Rou76b, Rou78].

Marsaglia [Bac98].

Maslov [Mas06e, Mas06d]. Mass [Ano50]. Massive [SS12].

Math [Ber95, Dub01, Wel05]. Mathematical [Egg07, Iud12, Nig99b, Whi72, Yul25, AI99, BH11b, BH15a, BBE10, Che12a, Cou10, Hum08, Jin09b, Mac22, MM99, MM04, MM14, STA11, Sz690, Wap12].

Mathematics [Hun07, LS11, Ano11]. Mathematik [Hun07].

Mathematisch [BBE10]. Mathematisch-statistischer [BBE10].

Mathematischer [Sze90]. Maths [Aro13].

Matrices [BMM84]. Matrices [GN07]. Matrix [Pet66].

Maximal [Liu08, TN87]. Maximum [HT01, Izs06, Ano02]. May [NSGP05]. McAllister [TGD05].

Mean [MK10, Moc02]. Meaning [iCV18]. Meaning-frequency [iCV18].

Measure [BMM84]. Measurement [Bor20, MM87, Sti87]. Measurements [Moh79]. Measures [MM86, BE69, C196, C204, Dia73, Jec92, Per10, Sch89].

Measuring [KK20, Mol09, LSS00]. Mechanism [MSSV08]. Media [GTC+07]. Medical [Is04, GBA04, SCH+12]. Medicine [Sch75b].

Medieval [CNS15]. Medizinischen [SHC+12]. MEDLINE [Fed82b].


Metcalfe [BOT06]. Method [BH07, KNT89, SCH+12, Est16, SF11, Tic87]. Methode [SHC+12, Est16].

Methoden [BBE10]. Methodical [Mol09]. Methodische [Die02].

Methodological [Die02]. Methodology [dGGd21]. Methods [Cig64, Fle81, FLP03, WG68, BFS03, BPS11, BBE10, HSR+08a, HSR+08b, Ham62, Her10, MS10, MBG+95, Nig11e]. Metric [Yua84]. Metrical [Fur46, Gei48].

Metricare [Fur46, Gei48]. Microarray [LY02, HRJB02a, HRJB02b]. Microarrays [LCC+05].

Microcystis [CLRTFM08]. Microelectronics [NKZ12]. Microparticle [dLKHS06].

Microparticles [dLKHS04a]. Microscopy [CNS15]. MIDI [MPM02].

neutrosophic [BKS05]. Newby [Bur04]. Newcomb [Doo10, PT04, Pos10, BCCP18, FG10, For10, Haf13, HV01, Kre03, Lac18, MdSPZ06, MdSSZ99, PT04, PT11, Pos10, Rav08, RR09, Smi13, Tor06].

Omnidirectional [NKRS15]. One
[AP10, BBH05, BD70, KP04, LLD15, Mat99, Yeh90, Car10, CEZ17, CEZ18, Hum18, MS08, SCD01, Too92, WHP99, Wey15]. One-dimensional [BBH05, MS08, SCD01]. One-sided [KP04]. Online [BH09]. ONLY [LS11].
Open [MSSvK08, NGJ03]. Openings [BT09]. operational [Ano93, Tra92]. Optimal [LACL14, SJP+15, Zom14, BCIS09, Kre73, Kre75]. Optimale [Kre73, Kre75]. Optimality [MYP14]. Optimization [BR15, LP15]. optimizing [GAVRRL14]. Optimum [McK80]. optoelectronics [NKZ12].
Order [Haf13, MN06b, MN08b, NM09, Nig11d, CSC14, SN91, TA12, TH13, Yua84]. organization [BP84, LF16]. organized [BTW87, Bak96, SM96]. Organizes [PMdM+99]. Organizing [Kru96b, SAG+00]. Oriented [Car88, Asa81, Tic88]. origin [BCC05, CSV96, WSB15, WSB16, ZS11]. origins [iCV18, FS03]. oscillators [Mas06a]. osservati [Gin57]. Other [Nig99b, NM07a, MPPH06, MS83, NM06, RRZR09, Ree01, TN87, TMS02].
Parameters [DS01, ADAI13, AS15, Izs06, KS10, Nic87a, Nic87b, Sco13, TN87, TKP14]. parametric [GJS07]. Pareto [Bal66, Gre86, AMP06, AAMAE03, ADAI13, AS15, ANRV07, Af110, AG70, AG72, Amn10, AFS04, AP89, Ams14, BVT96, BB76, Blu70, BT37, CH97, CT07, CGPT15, CGJ10, DW15, DN10, DN11, FWW85, FC14, Fer13, FDA+04, FAD+04, GGO15, GAVRRL14, Gun15, GN07, HZZ14, HW87, HDV13, HHG14, Ism04, Jec97, KS10, KA84, KPF15, KP09, Lip09, LACL14, Mac22, MPS11, Man60, Man62, MYP14, Mas05a, Mck80, Mcl09, MN14, MTTT08, NK07, New05, OJM15, Orl76, Per82, RAV10, RRR04, Ree01, Ree03, RZS+15, Ris08, SZVA10, San87a, San87b, San88, San92, SS06, Sco13, SJP+15, SM08, Sol00, SR01, SS12, Sta14, Tao09, TA12, TH13, TKP14, VAGE09, Wil06, WC03, Wu08, XP89, ZSB+12, Zom14, dCS15, vZ13, Sha89]. Pareto-Efficient [RZS+15]. Pareto-Optimal [SJP+15, Zom14].
Pareto-type [HDV13]. Part [Bro80a, Bro80b, Bro80c, Bro81, Sha05].
Partial [QBP+04, RME98, WCP+07, HS08]. Partial-Volume [QBP+04].
Power-Aware [LHK+15].

Power-Law
[CSN09b, CSN07, CSN09a, EC12, MBS99, Ree06, CSV96, GGPS03].

power-like [Ber03, Ber05b]. powerful [Hür15b, MPS11]. powers
[EMS11, EMS13, Hür04, Hür15b, MM50, Wój13a, Wój13b]. pp [Ano50].

Practical [NH07]. Practice [Vuk08, ER12, Mül03, Pos04c, Pos10].

Practices [GP13]. Pragmatic [JP01]. Praxis [Pos05, Pos04c, Pos10]. pre
[AA11, NHD16]. pre-processing [NHD16]. pre-SEC [AA11]. precinct
[Meb10]. Precise [AI99, SBB01, Sti87]. precision [OR07]. predict
[BFLB10]. Predicted [HSM11, MAC14b]. Prediction
[Fai09, Fai05, RAV10, Sol00, AP89, Bac98]. Predictions [LK12]. Preference
[Hay08a, Hay08b, Hay09, LACL14, XLW14]. Preferences [Sal97].

preferential [Lee06]. preferred [Hum18]. prefrontal [BFLB10].

Preliminary [Ans09, KS10]. premier [FL84, FL94, FL96, HI99b].

Premiers [Var99, FL94, FL96]. presence [DN11, SZVH10, Sco13]. presentation
[KA15]. Preservation [NKRS15]. preserved [CCC09].

Presidential
[Meb10c, Her10, Meb08c, Rou09, Ans09, Meb06b, Meb08b, Meb09, Rou14].

Press [Ale05, Mel06]. preventative [Bec14]. prevented [Mühl]. Price
[HKEW14, eSHK05, BCM02, BM08, KH95]. Prices
[Gi15, BCK12, Gil07, KZ06]. pricing [BCK12, Shi99, eSHK05]. primary
[Meb10d]. Prime [CK84, We05, EMS11, EMS13, FL94, FL96, LL09].

primer [AP99, LOR06]. Primes [Whi72, LL08]. primitivité [DJ10a, DJ13].

priority [DJ10a, DJ13]. Princeton [Ale05]. Principle
[Kaf09a, Kaf09b, Nov10, RME98, Ano50, HPV+09, Zip32, Zip49, San87a, San87b, San88, San92]. Principles [PS09, SAG+00]. Printer
[JHTS10, FNP+15]. prior [Hi170]. private [YD15]. Proactively [Lan03].

Probabilistic [FM95, MZLH15a, MZLH15b, BFS03, GJ10, Loy73].

Probabilités [Poi12, Jan12]. Probabilities [LB09, NL04, Poi12, NL03].

Probability [Dur91, Dur05, Fe150, Fe57, Fe66, Fe68, GSR12, Gor12b, Gou77, Hor09b, Wea63, WG68, BKS05, Dia74, Fle66, GLSW96, Hai69, Jan12, SM06b, Szé90, Tij04, Tij07, Tij12, Wea82]. Probable [Ben43]. Probably
[Bur10b, LX05]. Problem [AdSPG+76, Dun69, KBRV04, Lag85, IW92, Lin08, Boy94, BE69, CGPT15, FL84, FL94, FL96, KNRS88, KM05, Lag03, Lag10, Mac22, MK05, Rai76, Sim07, Sin03]. problème [FL84, FL94, FL96].

Problems [Gor12b, JS09, RGL14, Str12, JS06]. procaryotic [RV98].

Procedure [BW98, Pao85]. Procedures [NM97, DN00, SH10].

proceedings [AW89, NKZ12, ACM00, PS09, Rai03, GCB+05]. process
[Egg05d, Ril08, Yeh90]. Processes
[Bal66, KK95, Tor06, Ber15b, CGJ10, FM89, Kim12, KPH10, LSS00, MZ99, MN14, Nic89, Nic88, NT89, PT11, Sch08, Sch15, Ze158, ZB70]. Processing
[LP15, WAT15, NHD16, Nig00b]. Product [Dur06]. production
[BH74, Egg05d]. Productivity [Co77, Lot26, Egg09, Rou05, MM82].

Products [MN06a, GTM12, HSM11, MN08a]. profassé [Par97]. profassées

Qualität [Die02], Qualitative [PL86], Qualitäts test [GTM12]. Quality [DCH+17, GGP09, Moh79, Möl90, Van15a, Van15b, ANFF16, Die02, Dda+09, GTM12, Hol14, Sto16, Wal02]. **Quantifying** [ANFF16, LF16, WCP+07]. Quantile [BVT96, HW87, SS12]. Quantitative [BPS11, MM86, MSA+11, Mon01, Bro80b, Bro80c]. Quantities [Kos13, Kos15]. quantization [Mas05d, Mas07]. quantized [Mas06b]. quantum [RMB+14, SS11]. quark [GM97b]. Quarterly [GR07]. quasiperiodic [ZF15]. Quebec [AH09]. quella [Bra76]. Quelques [BMM10, Jan12]. Questioned [MDDK02]. questionnaire [TMS02]. questions [Zen11]. queue [Bel88]. Quick [PT11, Mii15c].

Self-organized [BTW87, Bak96, SM96]. Self-Organizing [Kru96b].

transmission [ZM01]. transparency [Sjo14]. Tree [LDJ89, CL05, SS09]. Tree-Structured [LDJ89]. trees [Ber15b]. Trends [Bha02]. Triage [OW12]. trials [Ora17]. Trip [Sta10]. triumphant [McG11]. True [DMZ05, Mac14a, FDA+04, Hil96]. Truncated [AMP06, KPF15]. trust [Hen11]. Tsallis [Abel02, Den97]. Tuning [KNT89]. tuple [CSV96]. turbulent [Bia15, LF16]. Turkish [AA10, OB13]. Turn [RR03]. trials [Ora17]. Triumphant [McG11]. Two [LDJ89, ZA95, Mei09, TA12, ZF15, BG11b]. Uniform [Ant91, BD70, Dun67, JD11, JD12, Kui69, KN74, KN06, Rod04, Tic85, BT18, CH61, Cig64, Dia77, Hol69, Hür15c, JdlR04, Loy73, Sch83b, Sch83a, Sch84, Sch87b, Sch88d, Sch91a, Shi99, To92, Tsu92, Wey15, Tie86, Tie87]. uniformity [LL08]. uniformly [CI96, MPS11, Sch89]. unifying [GJ10]. Unique [SD78]. unit [Per96]. United [LW14, MK13]. Units [NBH+98, BP84]. Unity [MM84]. Universal [MM87]. Universality [CMS10, KH02, Sta99, SAC+00, VB08]. Universe [NKL04, NKL03, AL14a]. université [Par97]. universities [Jin09b]. University [Ale05, Jin09a, Par97]. unknown [ZHS09]. Unsolved [Str12]. unstable [NR08]. Untangling [Egg07]. Untersuchung [Fur64, Gei48]. Unusual [SGW04, Tho89]. unwanted [Par75]. unzipped [BBM11a]. Unzipping [Ada11]. Update [Mar12, Ped94]. upper [Hür15c]. Urban [Kru96a, MZS99, ZM97, Che12c, GB13, MHS95, MML01, MZ98a, RDFM10]. urn [KH95]. USA [PT11]. Use [BG09, BG10, BG11a, Da 20, Diel2, DHP04, Lef82, Lin08, NM97, OMO10, San87a, San87b, San88, San92, TV21, Ale09, Ano05, Ban13, BBE10, Bro07, MDJH05, New81, RR03, Sjo14]. used [dLKHS04a, dLKHS06, Nig93, SM06b, Wal02]. useful [BSM15]. Uses [Ber95]. Using [BW98, CS11, CT05, Cod99, FGZZ11b, GC13, GP13, Gut16, IHWZ17, KV14, Lan00, Lan03, LY02, LP15, MS09, MK10, MSA+11, Nig94, Nig01, NM09, RGE13, RGL14, SD78, Sav06, TB00, Vuk08, WCP+07, WSY11, ZD11, ADA13, BP06, BXXK11, BM13, BMP93, DN00, FG10, Fed84, GW04, GMV09, HB18, HHG14, Hür06b, Hür09, JS06, JS09, KSG+16, LZL+12, LFCR04, LBO06, LB06b, LACL14, MPPH06, MBG+95, MRSCCS11, Nig00b,
Nig00c, Nig15, OW12, OM11, QZ10, QZHC11, RVAN15, RRRB11, SM06a, Sch10, SCE03, ZHS09, Die04b, Die07. Utilizing [Sta12].

V [Gei48]. V. [Mas06d]. Validation [RME98, LD04]. Validity [Ami07, Nic89]. valuable [HSM17]. value [BOT06, DMF09, Nig99a, Per82, TN87]. Values [SBB01, GBA04, GMV09, KM05, MK05]. Variable [Vla72, BS00, Kem75, Rou76a, Sch73, Sch98, TN87, Wój13a, Wój13b, Yua84]. Variables [BGTM +11, AS68, BT18, EL03, Giu11, HS05, Hol69, KR12, KR13, Sch81, UP85, Val12, Yeh90]. Variates [Blu70]. variational [HPV +09]. variational-principle [HPV +09]. variational-


Vom [SHC +12]. Vor [Sch06]. Vote [Meb06a, Meb06c, MK10, Meb15]. Voter [Meb12, MK13]. Voting [Ans09, Lee18, Meb06a, Meb10a, Meb10b]. vs [Haf13]. vulnerability [WCCK09].


year [Kri77]. years [Per10, Sch06]. yield [Has76]. Yule
[Ber15b, Che91, Gar11, MRS, RR, XP89]. Yule-Simon [Gar11].

Zahlen [Hum18, Vog00, Wey15, Tic88]. zahlentheoretische [Tic86]. Zahn
[Hum06]. zakon [Jas10]. Zaman [Bac98]. Zapper [AH09]. Zeckendorf
[BDE+14, BDE+17]. zeros [LL08, LL09]. zeroth [Mas07]. zeta [LL08, LL09].
Zhou [Bar11]. Zipper [Hum06, Hum18]. Ziffen [Hüm07, Mör01]. Ziffenanalyse
[Bah15, Müll03, Pos04c, Pos05, Pos10]. Zipf [Fai69, Fai05, Mel06, Ada11,
AR09, AR10, AR11, ARMG03, Ano50, Ano93, Ano02, Ano05, Ano07, AFN04,
AI99, AB03, Aus14, ANFF16, Axt01, BM11a, Bak07, Be88, BBL07, Be89,
Ben84, BT09, BP84, BGV09, Bra76, BMLRV10, Bro07, BMT96, CK05, Cha11,
Che78, Che80, CL86a, CL86b, CL87b, Che89, Che91, CW97, CZ04, Che12a,
Che12b, Che12c, CM11, CMS10, CMFS11, CBP12, CMHS95, CSV96, DMZ05,
Den07, Dep08, Dev57, DS01, Dur06, EKJ+10, EC11, Egg99a, Egg99b, Egg06,
Egg10b, Egg10c, Egg11, Eli12, Fed82a, iCE10, iCV18, FS02, FRB05,
FAD+04, FAD+04, Fuji04, FK03, Gab99, Gai06, GLS06, GB13, GSO1, GM97a,
GMV09, GSW92, GLSW96, GTC+07, Hai69, HT05a, HT05b, HT06, Hax95,
HPV+09, Hi70, Hi74]. Zipf [HW75b, HSM11, HYH08, IO03, Irn97, IKC96,
Izos06, Jin09a, Jin09b, KK95, K90, KN91, KH02, KUY05, KPH10, Kn01,
KA84, KG72a, KG72b, dLHS04a, dLHS04b, dLHS06, LAL15, Le01, Lef82,
LBL01, LY02, LX05, Li11, Lin08, Los01, LCC+05, LZZ13, MSV10, MPM02,
MVW+03, MRF+05, MPPH06, Man08, MG07a, MZ98b, Mas05a, Mas05c, Mas05b,
Mas05d, Mas06a, Mas06b, Mas06c, MM06, Mas07, Mas06e, Mas06d, MDJ05,
MS08, Mon01, MR06, NG04, Nal03, NP12, New05, Nic87a, Nic87b, Nic88,
NNN89, NT89, Nit05, OW12, OK006, OTT99, Ori70, Ori76, OCR3, PBP07,
Pen10, Per10, Per82, Per96, Pet73, PTT01, PMdM+99, Pop02, Pra88, Ps04,
RV98, Ree01, Rob11, Rout76a, Rout76b, Rout78, SMS10, S06, Sem08, SM08,
Sha05, Shi99, SEO04, SR01, So05, So03]. Zipf [So12, SBH+95, SM06b,
Tag70, TN87, TW11, Tau09, Tra92, Th98, TR91, TST07, Tul85, Urz00, Urz11,
VW06, VA99, VB08, Wat96a, Wat96b, WH75, YZ16, Yav74, Yeh90, Yeh02,
Yeh07, You13, ZDCW12, ZCW09, ZS11, ZA95, Zör15, dGL13]. Zipf-Like
[BMLRV10, DS01, GTC+07, RV98]. Zipf-Mandelbrot [MPM02]. Zipf-scaling
[BMT96]. Zipf-type [CM11, KG72a, KG72b, SM06b]. ZipfAllocation [KSH11].
Zipfian [Egg05c, Fed82b]. Zipf's [Li92]. Zipf's-law-like [Li92]. zip [Nit05].
zone [BCK12]. Zufallsgröße [Sch73]. zum [SHC+12, Tie87]. zur
[Pos05, Sch73].

References

Ali Alagöz and Mustafa Ay. Muhasebe denetiminde
REFERENCES


REFERENCES


REFERENCES


An Antonini:2005:RSC


Aono:2008:ISO


Ainsworth:2009:QSR


Alvarez:2008:EFD


Ausloos:2014:BBL


Ausloos:2015:BBL

REFERENCES  


REFERENCES


Anonymous. Fishpole lamp. Web site, April 30, 1932. URL http://scienceservice.si.edu/pages/012020.htm. This Web site reports that General Electric researcher Frank Benford invented the electric light pointer, the forerunner of the modern laser pointer.


REFERENCES


[AOT13] Panagiotis Andriotis, George Oikonomou, and Theo Tryfonas. JPEG steganography detection with Benford’s Law. Digital

Arnold:1989:BEP


AyllonBurguillo:1999:PDS


Aldous:2010:WCO


Altamirano:2009:GTU


Altamirano:2010:PTS


Altamirano:2011:PTS

C. Altamirano and A. Robledo. Possible thermodynamic structure underlying the laws of Zipf and Benford. European Physical Journal B: Condensed Matter and Complex Systems,
REFERENCES


REFERENCES


[Aue13] Felix Auerbach. Das Gesetz der Bevölkerungskonzentration. (German) [The law of population concentration]. Petermann’s
REFERENCES

Geographische Mitteilungen, 59(1):74–76, 1913. CODEN PGGMA3. ISSN 0031-6229. URL http://hdl.handle.net/2027/mdp.39015035583528?urlappend=%3Bseq=122. This paper is reported in [New05] to be the first discovery of Zipf’s Law in connection with city populations (see [Zip32]). See also [Est16].

Ausloos:2014:ZMP


Aerts:2008:CDD


Apers:1989:VLD


Axtell:2001:ZDU


Alves:2014:BLA

Alves:2016:ABI


Barabasi:1999:ESR


Bach:1998:EPM


Bahmann:2015:AMM


Bak:1996:HNW


Bakulina:2007:AZL

Ball:1966:BRB


Balanzario:2012:BLM


Balanzario:2015:BLM


Banyard:2000:NAF


Banks:2013:BLM


Barnes:2011:LCS


Basu:1992:RHD

Basu:1994:LEE


Batty:2008:PSS


Battersby:2009:SAH


Bawden:2011:BMS


Billera:1976:PSC


Barlow:1985:RED

REFERENCES


[BBL07] Lucien Benguigui and Efrat Blumenfeld-Lieberthal. A dynamic model for city size distribution beyond Zipf's
REFERENCES


Rakesh Bharati, Susan J. Crain, and Vincent Kaminiski. Clustering in crude oil prices and the target pric-


33–42. 1969. CODEN ????. ISSN 0016-2736 (print), 1730-6329 (electronic).


REFERENCES


Benford:1938:LAN

Benford:1943:PAG

Bennett:1975:SDI

Bennett:1984:ZLS

Berton:1995:HGT

Berger:2003:BLP

Berger:2004:DDU


REFERENCES


Bauer:2010:DDF


Bauer:2011:DDF


Breunig:2011:SEI


Beck:2015:PPI


Baskerville:2007:GAS

REFERENCES


REFERENCES


REFERENCES

Berger:2017:WLB

Bhattacharya:2002:KBT

Bharath:2012:BLT

Bonhoeffer:1996:NSH

Berger:2011:FSM

Berger:2008:SDI
REFERENCES


REFERENCES

ISSN 1053-5888 (print), 1558-0792 (electronic). URL http://adsabs.harvard.edu/abs/2008ISPM...25..152B.


PLEASE INCLUDE THE BIBLIOGRAPHY FOR THIS PAPER.
REFERENCES


[BP84] M. G. Boroda and A. A. Polikarpov. The Zipf–Mandelbrot law and units of different levels of text organization. Tartu Riikl. Õl. Toimetised, ??(689):35–60, 1984. CODEN ???? ISSN ????

[Baskerville:2006:SEM] Kim Baskerville and Maya Paczuski. Subgraph ensembles and motif discovery using an alternative heuristic for graph iso-

**Barabesi:2020:GBL**


**Bose:2011:QMD**


**Brunsch:2015:ISA**


**Bradford:1934:SIS**


**Brambilla:1976:DDA**

Francisco Brambilla. La distribuzione delle aziende secondo le dimensioni. Verifica empirica della legge logonormale e di quella di Zipf e nuovi modelli interpretativi. (Italian) [The distribution of firms by size. Empirical test of the log-normal
REFERENCES


[Bra85] Samuel C. Bradford. Sources of information on specific sub-
jects. *Journal of Information Science, Principles and Prac-


REFERENCES

JISC. ISSN 0165-5515 (print), 1741-6485 (electronic). URL http://jis.sagepub.com/content/2/5/209.abstract.

Brookes:1980:FISc


Brookes:1981:FIS


Brookes:1984:RTE


Browne:1998:FBL


Brown:2005:BLS


Brown:2007:UZL

REFERENCES


Bethe:1938:MSE
H. A. Bethe, M. E. Rose, and L. P. Smith. The multiple scattering of electrons. Proceedings of the American Philosophical Society, 78(4):573–585, March 1938. CODEN PAPCAA. ISSN 0003-049X (print), 2326-9243 (electronic). URL http://www.jstor.org/stable/984803. This paper, which immediately follows Benford’s [Ben38] in this journal issue, is reported in [LG78, p. 197] to have been of considerable interest to scientists involved in secret nuclear physics work in World War II. That is how Benford’s paper “in a journal of rather limited circulation and not usually read by mathematicians” came to be noticed by physicists.

Busta:1992:TRN

Blank:2000:PLC

Berger:2007:DMN

Beber:2009:DD
Beber:2010:WNS


Block:2010:GEB


Bhole:2014:BDN


Bhole:2015:BAU


Balanzario:2010:SCB


Bormashenko:2016:BLA

REFERENCES


Arno Berger and Chuang Xu. Best finite approximations of Benford’s Law. Journal of Theoretical Probability, ??(??):??,
April 2018. CODEN JTPREO. ISSN 0894-9840 (print), 1572-9230 (electronic).


Kun-Ta Chuang, Hung-Leng Chen, and Ming-Syan Chen. Feature-preserved sampling over streaming data. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 2(4):
Chen:1995:RDB


Corazza:2010:CFM


Corazza:2017:LET

Marco Corazza, Andrea Ellero, and Alberto Zorzi. L’importanza di essere “UNO” (ovvero la legge di Benford). (Italian) [the importance of being “one” (i.e., the Benford law)]. *Lettera Matematica Pristem*, 103(1):31–38, December 2017. ISSN 1593-5884 (print), 1970-6820 (electronic).

Corazza:2018:IBO


Clark:1977:ESL


Christian:1993:NES

REFERENCES


REFERENCES


REFERENCES


REFERENCES

Chen:1987:BLI


Chen:1987:AZL


Challet:2004:BPD


Cong:2004:WTP


Cohen:2005:PCL


Cuff:2015:WDB


REFERENCES


REFERENCES


REFERENCES


DAlessandro:2020:BLM


Davis:1976:SRI


Dunstan:2014:GSD


Daniels:2017:BLQ


delCastillo:2015:LIG


Dallacasa:2006:TBS

REFERENCES


Docampo:2009:BLA

DeCeuster:1998:HPB

Deakin:1993:ADB

Deniso¬v:1997:FBS

Depken:2008:BZB
REFERENCES

Devooght:1957:LZM


Diaconis:1979:RP


Drott:1978:EEB


Debreceny:2010:DMJ


Dorrell:2012:FFB


Persi Diaconis. Limits of measures of the integers with applications to random number generators and the distribution of leading digits. Memorandum NS-211, Department of Statistics, Harvard University, Cambridge, MA, USA, March 22, 1973.


Diekmann:2002:DFM

Diekmann:2004:DEE
Andreas Diekmann. Datenfälschung. Ergebnisse aus Experimenten mit der Benford Verteilung. (German) [Data falsification. Results from experiments with the Benford distribution]. Report, ETH Zürich, Zürich, Switzerland, 2004.

Diekmann:2004:FDU

Diekmann:2007:FDU

Diekmann:2012:MUB

Deligny:2010:RRL
REFERENCES

Diekmann:2010:BLF


Deligny:2013:RRL

Hugues Deligny and Paul Jolissaint. Relations de récurrence linéaires, primitivité et loi de Benford. (French) [Linear recurrence relations, primitivity, and Benford’s law]. *Elemente der Mathematik*, 68(1):9–21, 2013. ISSN 0013-6018 (print), 1420-8962 (electronic).

Dorfitner:2009:PBE


Decker:2007:GPC


Dumbgen:2007:EBA


Dumbgen:2008:EBA


REFERENCES


[DS05] Esteve Del Acebo and Mateu Sbert. Benford’s Law for natural and synthetic images. In Neumann et al. [NSGP05], pages
REFERENCES


REFERENCES


REFERENCES


**Egghe:1999:LZM**


**Egghe:1999:RLZ**


**Egghe:2005:PPL**


**Egghe:2005:RBC**


**Egghe:2005:ZLC**


**Egghe:2005:PLI**


REFERENCES


REFERENCES

Eliazar:2013:BLP


Elsho:1978:SSC


Eliahou:2011:MDP


Eliahou:2012:MDP


Egghe:2002:DRC


Egghe:2012:TPS

REFERENCES


[J. B. Estoup. Gammes Sténographiques: méthode & exercices pour l’acquisition de la vitesse (French) [Stenographic ranges: method and exercises for achieving speed]. Institut Sténographique de France, Paris, France, fourth edition, 1916. 151 pp. LCCN ???? This on shorthand writing is the earliest known publication of the power-law distribution of word frequencies, generally credited to [Zip32].]


REFERENCES


REFERENCES


REFERENCES


REFERENCES


[FM95] Piero Filipponi and Renato Menicocci. Some probabilistic aspects of the terminal digits of Fibonacci numbers. *Fibonacci
REFERENCES


Fischer:2010:HCS


Ferreira:2015:LPA


Formann:2010:NBL


Fontanari:2004:SNM


Frenn:1917:PTL

REFERENCES


REFERENCES


REFERENCES


Garrabrant:2016:ALU


GomesdaSilva:2013:SAS


Gama:2005:MLE


Gauvrit:2008:PLB


Gauvrit:2009:SRI

[GD09a] N. Gauvrit and J.-P. Delahaye. Scatter and regularity imply Benford’s law ... and more. ArXiv e-prints,
REFERENCES


REFERENCES

Goudsmit:1944:SFN


Grekos:2003:RSC


Goegebeur:2015:ETI


Gonzales-Garcia:2009:BLM


Gabaix:2003:TPL


Graham:2009:SFD

Scott D. J. Graham, John Hasseldine, and David Paton. Statistical fraud detection in a commercial lobster fishery. New


Giuliano:2010:UPI


Gonzalez-Jimenez:2010:BLN


Grendar:2007:ENP


Gan:2006:ZLS


Gunther:1996:ZLE

REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES

**Gent:2001:BL**


**Geyer:2004:DFD**


**Huberman:1999:IGD**


**Hafner:1969:CSR**


**Haferkorn:2013:HVA**


**Haight:1969:TPD**

REFERENCES

Hamming:1962:NMS


Hamming:1970:DN


Hand:2007:DDD


Hardy:1949:DS


Hardy:1991:DS


Hartshorn:2009:BRB


Haspers:1976:YFB

REFERENCES

Hasan:2002:ADA


Hasan:2003:EDA


Hasumi:2007:ITS


Havlin:1995:DBZ


Havil:2003:GEE


Hayes:2008:LED

REFERENCES

Hayes:2008:TDP


Hayes:2009:CBL


Hartmann:2018:AVK


Hales:2009:TBL


Hubert:2013:DID

REFERENCES

Heaps:1978:IRC


Henriques:2011:WLB


Herzel:1957:SDD

[Her57] Amato Herzel. Sulla distribuzione della cifre iniziali dei numeri statistici. (Italian) [On the frequency of initial digits of statistical numbers]. Atti dell XV e XVII Riunione, Società Italiana di Statistica, ??(??):205–228, 1957. CODEN ???? ISSN ????

Herman:1998:TRI


Herron:2010:EPO


Hill:2016:HLI


Hou:2014:PFD

REFERENCES


[Hofmarcher:2013:FSD]

[Huang:2014:GSP]

[Huettenberger:2014:DSM]

[Hill:1970:ZLP]

[Hill:1974:RFF]
REFERENCES

Hill:1988:RNG

Hill:1995:BII

Hill:1995:SDP

Hill:1995:SDS

Hill:1996:NDT
Theodore P. Hill. A note on distributions of true versus fabricated data. Preprint, Department of Mathematics, Georgia Institute of Technology, Atlanta, GA, USA, 1996. 4 pp. URL http://digitalcommons.calpoly.edu/cgi/viewcontent.cgi?article=1046&context=rgp_rsr.

Hill:1997:BL
REFERENCES


REFERENCES

Hui:2011:BLN

Horn:2006:DSA

Handurukande:2006:PSB

Hackl:2014:CPP

Hamming:1965:NLB

Hjorland:2005:BLS
Birger Hjørland and Jeppe Nicolaisen. Bradford’s law of scattering: ambiguities in the concept of “subject”. In Fabio Crestani and Ian Ruthven, editors, *Context: nature, impact, and role: 5th International Conference on Conceptions of Library and Information Sciences, CoLIS 2005, Glasgow, UK*,
REFERENCES


REFERENCES


REFERENCES


REFERENCES


Hans Humenberger. Das „Benford-Gesetz” über die Verteilung der ersten Ziffer von Zahlen. (German) [Benford’s law on the distribution of the first digit of numbers]. Report, Institut für Mathematik und Angewandte Statistik, Universität für Bodenkultur, Gregor Mendel-Straße 33, A-1180,
Humenberger:2008:EBB


Humenberger:2018:BGW


Hungerbuhler:2007:BGF


Hurlimann:2003:GBL


Hurlimann:2004:IPB

REFERENCES


[HV01] Tomáš Hobza and Igor Vajda. On the Newcomb–Benford law in models of statistical data. Revista Matemática Com-
REFERENCES


Hardy:1975:ITN


Hill:1975:SFZ


Hoare:1986:DFS


Hosking:1987:PQE


Hu:2015:EES


Huang:2008:IZL

REFERENCES

...
REFERENCES


IRMA:1997:RBZ


IYENGER:1983:SPL


ISMAIL:2004:SES


IUDICA:2012:BLM


IZSÁK:2006:MLE


JAMAIN:2001:BL

pdf. Not found in Imperial College Library or COPAC catalogs on 16 February 2013. URL link is broken too.

**Janvresse:2012:QCP**


**Jasak:2010:BZR**


**Janvresse:2011:AAU**


**Janvresse:2012:AAU**


**Janvresse:2004:UDB**

REFERENCES

[148]

Janvresse:2009:BL

Jec:1992:LDL

Jeevanand:1997:BEB

Jiang:2010:NMS

Jin:2009:AUR

Jin:2009:PME

Jelenkovic:2008:CMS
REFERENCES

Jang:2008:CDH

Jang:2009:CDH

Jager:2008:DAD

Jolion:2001:IBL

Jolissaint:2005:LBR
[Jol05] Paul Jolissaint. Loi de Benford, relations de récurrence et suites équidistribuées. (French) [Benford’s law, recurrence relations, and equidistributed sequences]. Elemente der Mathematik, 60(1):10–18, 2005. CODEN ????. ISSN 0013-6018 (print), 1420-8962 (electronic).
Jolissaint:2009:LBR

Paul Jolissaint. Loi de Benford, relations de récurrence et suites équidistribuées. II. (French) [Benford’s law, recurrence relations, and equidistributed sequences. II]. *Elemente der Mathematik*, 64(1):21–36, 2009. CODEN ???? ISSN 0013-6018 (print), 1420-8962 (electronic).

Jones:2002:LDR


Jansen:2001:RNP


Judge:2006:DPS


Judge:2009:DPS


Jiang:2011:BLN

REFERENCES

Jameson:2014:BLC


Jameson:2016:BLC


Judson:2004:GBF


Kohyama:1984:TIC


Khataei:2015:PPB


Kafri:2008:SIS


Kafri:2009:DNE

REFERENCES


Kemperman:1975:BDM


Krevitt:1972:BCC


Krevitt:1972:CSZ


Koenig:1995:BCL


Kawamura:2002:UZL


Kim:2012:BLN

REFERENCES


REFERENCES


REFERENCES

Koch:2020:BLC


Konheim:1965:MDT


Kossovsky:2006:TBU


Kossovsky:2012:SNR


Kossovsky:2013:RQO


Kossovsky:2015:BLT


Kulikova:2004:OSS

REFERENCES


Kennard:1981:MDF


Kretschmer:2001:RAI


Kollath-Romano:2004:DSD


Khosravani:2012:TIB


Khosravani:2013:DBD


Kramer:2015:MJE


Kreifelts:1973:OOG

Thomas Kreifelts. Optimale Basiswahl für eine Gleitkomma-Arithmetik. (German) [Optimal choice of basis for a floating-
REFERENCES


[Kevin Krisciunas. Confronting the mystery of urban hierarchy. Journal of the Japanese and International Economies,


[KSG+16] Deepak Karthik, Gil Stelzer, Sivan Gershanov, Danny Baranes, and Mali Salmon-Divon. Elucidating tissue specific genes using the Benford distribution. *BMC Genomics*, 17(1), August 2016. ISSN 1471-2164.


REFERENCES

Kubo:1977:RAA


Kuipers:1969:RPR


Kuno:1987:FDP


Kechedzhi:2005:RDW


Kraus:2014:DWD


Krakar:2008:ABL

Zdravko Krakar and Mario Žgela. Application of Benford’s Law in payment system auditing. In Boris Aurer and
REFERENCES


REFERENCES


REFERENCES

Lu:2005:DFH


Leydesdorff:2006:CPL


Lu:2006:BCF


Loetscher:2007:ENS


Lansey:2009:ISR


Leemann:2014:SAS

REFERENCES

Lu:2006:AFD

Levene:2001:ZL

Liu:2015:DSD

Lu:2005:CZL

Lee:2010:SAR

Lee:2015:GBL


Lee:2018:PIB


Lefort:1982:LOA


Leimkuhler:1980:EFB


Lemons:1986:NTD


Ley:1996:PDU


Li:2016:QNS

LF16 Qinglei Li and Zuntao Fu. Quantifying non-stationarity effects on organization of atmospheric turbulent eddy motion by Benford’s law. *Communications in Nonlinear Science and Numerical Simulation*, 33(??):91–98, April 2016. ISSN 1007-5704 (print), 1878-7274 (electronic).
REFERENCES

Lindsay:2004:DFD


Li:2015:BBL


Logan:1978:FDP


Lu:2010:BLP


Lee:2020:CFC


Lin:2015:DES

[LHK+15] Cheng-Yen Lin, Chung-Wen Huang, Chi-Bang Kuan, Shi-Yu Huang, and Jenq-Kuen Lee. The design and experiments of


REFERENCES


REFERENCES

http://adsabs.harvard.edu/abs/2008arXiv0811.3302L;


REFERENCES


[Lotk26] Alfred J. Lotka. The frequency distribution of scientific productivity. *Journal of the Washington Academy of Sciences*, 16(12):317–323, June 19, 1926. CODEN JWASA3. ISSN 0043-0439. URL http://www.jstor.org/stable/24529203. This is the earliest known publication on the phenomenon known as Zipf’s Law, here applied to publication counts of chemists and physicists. Lotka’s Law (a term possibly first used in [Zip49]) says that the number of authors producing $n$ publications is about $1/n^2$ of the number producing only one. This ‘law’ seems to have been misunderstood and misapplied in other fields; see [Pot81].


Loyes:1973:SRP


Llamocca:2015:DEP


Lagaris:2005:BLF


Lagaris:2006:BLF


Lyons:2011:NSF


Luca:2014:FDF


[LW14] Fengyi Lin and Sheng-Fu Wu. Comparison of cosmetic earnings management for the developed markets and emerging markets: Some empirical evidence from the United


REFERENCES


REFERENCES


MacDougall:2014:AIC

Mir:2014:BLP

Martinson:2005:SBB

Metwally:2006:IES

Mandelbrot:1953:ITS
Mandelbrot:1959:NCS


Mandelbrot:1960:PLL


Mandelbrot:1962:SNR


Manin:2008:ZLA


Marcus:2012:UFA


Maslov:2005:GTS


Maslov:2005:RZLb

REFERENCES


[Mas07] V. P. Maslov. Phase transitions of the zeroth kind and the quantization of the Zipf law. *Teoreticheskaya i Matematich-
REFERENCES

ISSN 0564-6162.

[Mat99] Robert Matthews. The power of one. New Scientist, 163
(2194):27–30, July 10, 1999. CODEN NWSCAL. ISSN
fortunecity.com/emachines/e11/86/one.html; http://
www.newscientist.com/article/mg16321944.600-the-
power-of-one.html.

[May08] Philipp Mayr. An evaluation of Bradfordizing effects. Collinet
Journal of Scientometrics and Information Management, 2
(2):21–27, 2008. CODEN ????? ISSN 0973-7766 (print), 2168-
930X (electronic).

of noncoding DNA sequences. Physical Review Letters, 73(??):
3169–??, December 5, 1994. CODEN PRLTAO. ISSN 0031-
9007 (print), 1079-7114 (electronic), 1092-0145. URL http://
link.aps.org/doi/10.1103/PhysRevLett.73.3169. See
comment [Vos96] and reply [MBG+94].

[MBG+95] R. N. Mantegna, S. V. Buldyrev, A. L. Goldberger, S. Havlin,
of coding and noncoding DNA sequences using methods of
statistical linguistics. Physical Review E (Statistical physics,
plasmas, fluids, and related interdisciplinary topics), 52(??):
2939–??, September 1, 1995. CODEN PLEEE8. ISSN 1539-
org/doi/10.1103/PhysRevE.52.2939.

CODEN PRLTAO. ISSN 0031-9007 (print), 1079-7114 (elec-
1103/PhysRevLett.76.1979. See [MBG+94, Vos96].
Malcai:1999:PLD


McAllister:2003:ARE


McAllister:2005:ACE


McGrayne:2011:TWH


McKee:1980:POR


Mosimann:2002:TDE

James Mosimann, John Dahlberg, Nancy Davidian, and John Krueger. Terminal digits and the examination of questioned
REFERENCES


McCowan:2005:AUZ


Moret:2006:NBL


Moret:2009:GSA


Mebane:2006:DAE


Mebane:2006:EFS


REFERENCES


REFERENCES

Morris:2007:MRT


McCartney:2015:TSD


Makse:1995:MUG


Miller:1957:SEI


Miller:2004:STB


Miller:2015:BLT


[Miller:2015:FAB]


[Miller:2015:HSOa]


[Miller:2015:HSOb]


[Miller:2015:QIB]


[Mir:2011:LLD]


[Mir:2012:LDD]


Marchand:2021:BLC


Malacarne:2001:QED


Miller:2006:MCL


Miller:2006:OSB


Miller:2008:MCL


Miller:2008:OSB

Steven J. Miller and Mark J. Nigrini. Order statistics and Benford’s law. International Journal of Mathematics and
REFERENCES


Peter Mörters. *Benford’s Gesetz über die Verteilung der Ziffern*. (German) [Benford’s law on the distribution of digits]. Habilitationssvorlesung, ????, Kaiserslauten, Germany, and Bath, UK, ???? 2001. 4 pp. URL http://people.bath.ac.uk/maspm/benford.ps.
REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES

Manrubia:1998:IMU

Marsili:1998:IIL

Manrubia:1999:SMP

Mishra:2015:PGMa

Mishra:2015:PGMb
REFERENCES

ODQ. ISSN 0362-1340 (print), 1523-2867 (print), 1558-1160 (electronic).


REFERENCES


REFERENCES


[Nig00b] Mark J. Nigrini. Digital analysis tests and statistics: using digit and number patterns and Benford’s law to detect errors, biases, fraud, irregularities, and processing inefficiencies. Nigrini Institute Inc., Allen, TX, USA, 2000. 242 pp. LCCN ????.
REFERENCES


REFERENCES

http://catdir.loc.gov/catdir/enhancements/fy1109/2011007210-b.html.


[Nig12] Mark J. (Mark John) Nigrini. Benford’s Law: Applications for Forensic Accounting, Auditing, and Fraud Detec-
REFERENCES


REFERENCES

M. J. Nigrini and Steven J. Miller. Benford’s law applied to hydrology data — results and relevance to other geophysical data. Preprint, ???, ???, ???. 2006.


Special Symposium: The new research agenda on electoral integrity.

Novikov:2010:APB


Newman:2002:ME


Nebel:2012:DHG


Ni:2008:BLH


Nagasaka:1987:BLL


Newman:1996:ASC

REFERENCES


REFERENCES

CODEN MOSSD5. ISSN 0233-1888 (print), 1029-4910 (electronic).


REFERENCES


References

April 1993. CODEN AISJB6. ISSN 0002-8231 (print), 1097-4571 (electronic).


[Par97] Vilfredo Pareto. *Cours d’économie politique professé a l’université de Lausanne. (French) [Course on political economy given at the University of Lausanne]*. F. Rouge, Lausanne, Switzerland, 1896–1897. ???? pp. LCCN HB173 .P22.

REFERENCES


REFERENCES


Peters:1981:EFB


Peters:1981:SCC


Peter:2003:ADE


Petek:2008:PNH


Perez-Gonzalez:2007:GBL


Peng:2010:SFW


Perez-Gonzalez:2015:ABL


Phatarfod:2013:SAB


Pinkham:1961:DFS


Piva:2013:OIF


Praunlich:1978:BDN


Posch:2006:ADP

Peter N. Posch and Welf A. Kreiner. Analysing digits for portfolio formation and index tracking. *Journal of Asset Management*—


**REFERENCES**

Pope:1975:BLP


Popescu:2002:LNZ


Posch:2004:BBH

Peter N. Posch. Benford or not-Benford? How to test for the first digit law. Working paper., Department of Finance, University of Ulm, Ulm, Germany, 2004.

Posch:2004:SSD


Posch:2004:ZFB


Posch:2005:ZTP

REFERENCES

Peter N. Posch. *Ziernanalyse mit dem Newcomb–Benford Gesetz in Theorie und Praxis. (German) [Digit analysis with the Newcomb–Benford law in theory and practice]*. Verlag Europäische Wirtschaft, Munich, Germany, second edition, 2010. ISBN ????? 105 (est.) pp. LCCN ????


REFERENCES

Paredaens:2009:PTE


Pan:2010:EJC


Pericchi:2004:LNB


Pericchi:2011:QAD


Pietronero:1998:UDN


Pietronero:2001:EUD

L. Pietronero, E. Tosatti, V. Tosatti, and A. Vespignani. Explaining the uneven distribution of numbers


REFERENCES


REFERENCES


[Ravikumar:2008:BND]


[Raqab:2010:PPD]


[Rubino:2015:ILB]


[Rezayan:2010:SRG]
Reed:2001:PZO


Reed:2003:PLI


Ree:2006:PLD


Regazzini:1982:BFL


Regan:2012:BLB


Rauch:2011:FFE


Rauch:2014:DVS


**Rauch:2013:LME**


**Rauch:2014:DPM**


**Reed:2002:GFG**


**Ristic:2008:GSP**


**Radhakrishnan:1979:LLC**


**Romano:2011:NLR**


REFERENCES


[RR03] Anna M. Rose and Jacob M. Rose. Turn Excel into a financial sleuth: an easy-to-use digital analysis tool can red-flag irregularities. *Journal of Accountancy*, 196(2):58–??, August
REFERENCES


REFERENCEs


REFERENCES


[Sav04] Adrian D. Saville. Sorry, wrong number. How accounting data are wrong and how the numbers can be fixed. Preprint, ???, ???, ???. 2004.


REFERENCES


REFERENCES


Schatte:1987:SEU


Schatte:1987:SEU

Schatte:1988:LIL


Schatte:1988:MDC

Schatte:1988:ASC


Schatte:1988:ASC

Schatte:1988:UDC


Schatte:1988:UDC

Schatte:1988:MUD


Schatte:1988:MUD

Schatte:1989:MUD

REFERENCES


[Sch06] Reto U. Schneider. Das Rätsel der abgegriffenen Seiten: Vor über hundert Jahren stiess ein Astronom auf ein merkwürdiges statistisches Gesetz, das heute Steuerbetrüger entlarven soll. (German) [The puzzle of the worn pages: More than a hundred years ago an astronomer came across a strange statistical law that will now expose tax cheats]. *NZZ Folio: Die Zeitschrift der Neuen Zürcher Zeitung*, (1/06), ???? 2006. URL http://www-x.nzz.ch/folio/curr/articles/schneider_2.html; http://www.nzzfolio.ch/www/d80bd71b-b264-4db4-afd0-277884b93470/showarticle/4c9a5444-883e-4e6b-8a4c-6c31f32c02f3.aspx.

REFERENCES


REFERENCES


[SF08] Samuel Shaki and Martin H. Fischer. Reading space into numbers — a cross-linguistic comparison of the SNARC

**Shi:2011:ESP**


**Sole:2000:SLH**


**Skousen:2004:AUP**


**Suh:2010:CAB**


**Shanbhag:1989:BRBa**

REFERENCES


REFERENCES


REFERENCES

Sheng:2016:DCA


Sole:1996:ESO


Sanches:2006:IRU


Sugimoto:2006:AFP


Seuront:2008:TST


Shao:2009:FDD

[SM09] Lijing Shao and Bo-Qiang Ma. First digit distribution of hadron full width. Modern Physics Letters A (MPLA), 24
Shao:2010:EMD


Shao:2010:FDD


Shao:2010:FDLa


Shao:2010:FDLb


Shao:2010:SDL


Shikano:2011:WDD

S. Shikano and V. Mack. When does 2nd digit Benford’s Law test signal an election fraud? Facts or misleading test re-


REFERENCES


[SR01] Sorin Solomon and Peter Richmond. Stability of Pareto–Zipf law in non-stationary economies. In Economics with hetero-


REFERENCES


REFERENCES


Sambridge:2011:BLF


Stanton:2012:DFU


Sterbenz:1974:FPC


Stewart:1993:LAN


Stigler:1945:DLD

[Sti45] George J. Stigler. The distribution of leading digits in statistical tables. Unpublished, but written about 1945–1946, and presented in an 1975 address at Haskell Hall, University of Chicago. Stigler’s distribution is more complex than that of Newcomb and Benford. Stigler has \( F_d = (d \ln(d) - (d+1) \ln(d+1) + (1 + (10/9) \ln(10)))/9 \), which gives leading-digit frequencies of 0.2413, 0.1832, 0.1455, 0.1174, 0.0950, 0.0764, 0.0605, 0.0465, and 0.0342. See [LCJ10] for a comparison of the Benford and Stigler distributions, and their relations to Zipf and Pareto distributions. For derivations of Stigler’s distribution, see [LG78, Rai85], 1945. URL http://www.nobelprize.org/nobel_prizes/economics/laureates/1982/.
REFERENCES


Sudhier:2010:BLS


Sun:1928:EFD


Sury:1993:FPD


Shengmin:2010:DSC


Szekely:1990:PKN


Szewczak:2010:LTR


REFERENCES


[TH13] Mahdi Tavangar and Marzieh Hashemi. On characterizations of the generalized Pareto distributions based on progres-


REFERENCES


REFERENCES


The topic is variously known as Benford’s Law, the Law of Anomalous Numbers, and Zipf’s Law.


<table>
<thead>
<tr>
<th>Reference</th>
<th>Authors</th>
<th>Title</th>
<th>Journal</th>
<th>Volume</th>
<th>Pages</th>
<th>Year</th>
<th>URL</th>
</tr>
</thead>
</table>

**REFERENCES**

**VanCaneghem:2015:NFSa**


**VanCaneghem:2015:NFSb**


**Varian:1972:LEB**


**Vardi:1999:PCS**


**Volchenko:v:2008:SUC**


**VandenBroeck:1990:LFB**

C. Van den Broeck and R. Kawai. Learning in feedforward Boolean networks. Physical Review A (Atomic, Molecular,
REFERENCES


REFERENCES

Voos:1974:BCL


Voos:1974:LIS


Voss:1996:CLF


Vuko:2008:UBL


VandeWalle:2006:ZGK


vanZyl:2013:GPD

REFERENCES

[Wagon:2010:BLD]

[Wallace:2002:AQD]

[Wales:2003:IWI]


[Wang:2011:BLD]

[Wang:2015:SPW]

[Wapner:2012:UEC]
REFERENCES


REFERENCES


REFERENCES


REFERENCES

CODEN SMJMAP. ISSN 0036-1399 (print), 1095-712X (electronic).

[Wainer:2013:VRS]

[Walthoe:1999:LNO]

[Wilkinson:1972:ABL]

[Wilkinson:2006:RPC]

[Wirsching:1998:DSG]

[Wlodarski:1971:FLN]
REFERENCES


REFERENCES


Whyman:2015:ICC


Whyman:2016:ICC


Watrin:2008:BLI


Winter:2011:DFU


Wu:2008:IEP

Wolf:1993:PHJ


Wang:2012:LPW


Xie:2014:GTK


Xekalaki:1989:APY


Xie:2009:FAS


Xu:2011:PCG


Yavuz:1974:ZLE


REFERENCES


first reported two decades earlier in [Aue13] for city populations, in [Est16] for word frequencies, and in [Lot26] for researcher publication counts.


REFERENCES


