

Lawrence M Leemis

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1950970/publications.pdf>

Version: 2024-02-01

61
papers

1,500
citations

318942

23
h-index

355658

38
g-index

65
all docs

65
docs citations

65
times ranked

1327
citing authors

#	ARTICLE	IF	CITATIONS
1	Plotting Likelihood-Ratio-Based Confidence Regions for Two-Parameter Univariate Probability Models. American Statistician, 2020, 74, 156-168.	0.9	0
2	Ensemble confidence intervals for binomial proportions. Statistics in Medicine, 2019, 38, 3460-3475.	0.8	6
3	Mixed-type distribution plots. Information Visualization, 2019, 18, 311-317.	1.2	1
4	Computational Probability. Profiles in Operations Research, 2017, , .	0.3	2
5	The Distribution of the Kolmogorov-Smirnov, Cramer-von Mises, and Anderson-Darling Test Statistics for Exponential Populations with Estimated Parameters. Profiles in Operations Research, 2017, , 165-190.	0.3	21
6	Products of Random Variables. Profiles in Operations Research, 2017, , 73-86.	0.3	0
7	Stochastic Simulation. Profiles in Operations Research, 2017, , 209-240.	0.3	0
8	Sums of Independent Discrete Random Variables. Profiles in Operations Research, 2017, , 111-138.	0.3	0
9	Data analysis and simulation: Optimizing voter wait times. , 2016, , .		1
10	Survival distributions based on the incomplete gamma function ratio. , 2016, , .		1
11	Discrete-event simulation using R. , 2015, , .		4
12	Computational probability applications. , 2014, , .		1
13	Symbolic ARMA Model Analysis. Computational Economics, 2014, 43, 313-330.	1.5	6
14	Applying Bootstrap Methods to System Reliability. American Statistician, 2014, 68, 174-182.	0.9	12
15	Transient Queueing Analysis. INFORMS Journal on Computing, 2012, 24, 10-28.	1.0	32
16	Univariate Probability Distributions. Journal of Statistics Education, 2012, 20, .	1.4	3
17	Automating Bivariate Transformations. INFORMS Journal on Computing, 2012, 24, 1-9.	1.0	8
18	Rectangles algorithm for generating normal variates. Naval Research Logistics, 2012, 59, 52-57.	1.4	1

#	ARTICLE	IF	CITATIONS
19	Bayesian estimation of the parameter of a generalized geometric series distribution under different prior distributions and loss functions. <i>Model Assisted Statistics and Applications</i> , 2011, 6, 111-119.	0.2	1
20	Managing magnetic resonance imaging machines: support tools for scheduling and planning. <i>Health Care Management Science</i> , 2011, 14, 158-173.	1.5	26
21	Moment-Ratio Diagrams for Univariate Distributions. <i>Journal of Quality Technology</i> , 2010, 42, 276-286.	1.8	41
22	Reliability growth via testing. <i>IIE Transactions</i> , 2010, 42, 317-324.	2.1	1
23	Simulation fundamentals. , 2009, , .		0
24	The logistic“exponential survival distribution. <i>Naval Research Logistics</i> , 2008, 55, 252-264.	1.4	42
25	Univariate Distribution Relationships. <i>American Statistician</i> , 2008, 62, 45-53.	0.9	145
26	The Distribution of the Kolmogorov“Smirnov, Cramer“von Mises, and Anderson“Darling Test Statistics for Exponential Populations with Estimated Parameters. <i>Communications in Statistics Part B: Simulation and Computation</i> , 2008, 37, 1396-1421.	0.6	39
27	Monte Carlo and discrete-event simulations in C and R. , 2008, , .		1
28	Simulation 101 software: Workshop and beyond. , 2007, , .		0
29	Chapter 6 Arrival Processes, Random Lifetimes and Random Objects. <i>Handbooks in Operations Research and Management Science</i> , 2006, 13, 155-180.	0.6	3
30	When Not to Simulate: Advances in Computational Probability. , 2006, , .		0
31	Lower System Reliability Bounds from Binary Failure Data Using Bootstrapping. <i>Journal of Quality Technology</i> , 2006, 38, 2-13.	1.8	30
32	Algorithms to calculate the distribution of the longest path length of a stochastic activity network with continuous activity durations. <i>Networks</i> , 2006, 48, 143-165.	1.6	10
33	The Distribution of Order Statistics for Discrete Random Variables with Applications to Bootstrapping. <i>INFORMS Journal on Computing</i> , 2006, 18, 19-30.	1.0	35
34	Minimum Kolmogorov“Smirnov test statistic parameter estimates. <i>Journal of Statistical Computation and Simulation</i> , 2006, 76, 195-206.	0.7	45
35	Computing the distribution of the product of two continuous random variables. <i>Computational Statistics and Data Analysis</i> , 2004, 44, 451-464.	0.7	114
36	TECHNICAL NOTE: Nonparametric estimation and variate generation for a nonhomogeneous Poisson process from event count data. <i>IIE Transactions</i> , 2004, 36, 1155-1160.	2.1	33

#	ARTICLE	IF	CITATIONS
37	Computing the nonparametric estimator of the survivor function when all observations are either left- or right-censored with tied observation times. <i>Computers and Operations Research</i> , 2002, 29, 423-431.	2.4	3
38	APPL. <i>American Statistician</i> , 2001, 55, 156-166.	0.9	41
39	Computing the cumulative distribution function of the Kolmogorov-Smirnov statistic. <i>Computational Statistics and Data Analysis</i> , 2000, 34, 1-15.	0.7	65
40	Nonparametric Estimation of the Cumulative Intensity Function for a Nonhomogeneous Poisson Process from Overlapping Realizations. <i>Management Science</i> , 2000, 46, 989-998.	2.4	49
41	Survival Distributions Satisfying Benford's Law. <i>American Statistician</i> , 2000, 54, 236-241.	0.9	68
42	A Generalized Univariate Change-of-Variable Transformation Technique. <i>INFORMS Journal on Computing</i> , 1997, 9, 288-295.	1.0	19
43	The Arctangent Survival Distribution. <i>Journal of Quality Technology</i> , 1997, 29, 205-210.	1.8	10
44	A Comparison of Approximate Interval Estimators for the Bernoulli Parameter. <i>American Statistician</i> , 1996, 50, 63-68.	0.9	76
45	A Comparison of Approximate Interval Estimators for the Bernoulli Parameter. <i>American Statistician</i> , 1996, 50, 63.	0.9	122
46	On the minimum of independent geometrically distributed random variables. <i>Statistics and Probability Letters</i> , 1995, 23, 313-326.	0.4	12
47	Variate generation for a nonhomogeneous poisson process with time dependent covariates. <i>Journal of Statistical Computation and Simulation</i> , 1993, 44, 165-186.	0.7	9
48	Optimization techniques for system reliability: a review. <i>Reliability Engineering and System Safety</i> , 1992, 35, 137-146.	5.1	25
49	Nonparametric Estimation of the Cumulative Intensity Function for a Nonhomogeneous Poisson Process. <i>Management Science</i> , 1991, 37, 886-900.	2.4	113
50	Burn-In Models and Methods: A Review. <i>IIE Transactions</i> , 1990, 22, 172-180.	2.1	61
51	Variate generation for accelerated life and proportional hazards models with time dependent covariates. <i>Statistics and Probability Letters</i> , 1990, 10, 335-339.	0.4	39
52	Network reliability and availability analysis to minimize downtime costs for communication networks. <i>Microelectronics Reliability</i> , 1989, 29, 37-48.	0.9	1
53	Statistical procedures for the exponential power distribution. <i>Microelectronics Reliability</i> , 1989, 29, 227-236.	0.9	2
54	Probabilistic properties of the exponential distribution. <i>Microelectronics Reliability</i> , 1988, 28, 257-262.	0.9	1

#	ARTICLE	IF	CITATIONS
55	Spectral Analysis in Quality Control: A Control Chart Based on the Periodogram. <i>Technometrics</i> , 1988, 30, 63-70.	1.3	25
56	Confidence interval scatterplots for evaluating confidence interval performance. <i>Journal of Statistical Computation and Simulation</i> , 1988, 30, 129-143.	0.7	2
57	Technical Note—Variate Generation for Accelerated Life and Proportional Hazards Models. <i>Operations Research</i> , 1987, 35, 892-894.	1.2	37
58	Lifetime Distribution Identities. <i>IEEE Transactions on Reliability</i> , 1986, 35, 170-174.	3.5	35
59	Relationships among Common Univariate Distributions. <i>American Statistician</i> , 1986, 40, 143-146.	0.9	19
60	RMSE-minimizing confidence intervals for the binomial parameter. <i>Computational Statistics</i> , 0, , 1.	0.8	1
61	The Probability Mass Function of the Kaplan—Meier Product—Limit Estimator. <i>American Statistician</i> , 0, , 1-22.	0.9	0