

Bruce G Lindsay

List of Publications by Year in descending order

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87
papers

5,613
citations

126907

33
h-index

82547

72
g-index

93
all docs

93
docs citations

93
times ranked

3535
citing authors

#	ARTICLE	IF	CITATIONS
1	A fast score test for generalized mixture models. <i>Biometrics</i> , 2020, 76, 811-820.	1.4	4
2	Covariate Information Matrix for Sufficient Dimension Reduction. <i>Journal of the American Statistical Association</i> , 2019, 114, 1752-1764.	3.1	5
3	Composite Likelihood Inference in a Discrete Latent Variable Model for Two-Way "Clustering-by-Segmentation" Problems. <i>Journal of Computational and Graphical Statistics</i> , 2017, 26, 388-402.	1.7	2
4	Statistical Distances and Their Role in Robustness. <i>ICSA Book Series in Statistics</i> , 2017, , 3-26.	0.2	14
5	Empirical identifiability in finite mixture models. <i>Annals of the Institute of Statistical Mathematics</i> , 2015, 67, 745-772.	0.8	7
6	Improving cross-validated bandwidth selection using subsampling-extrapolation techniques. <i>Computational Statistics and Data Analysis</i> , 2015, 89, 51-71.	1.2	8
7	Convergence of the EM algorithm for continuous mixing distributions. <i>Statistics and Probability Letters</i> , 2015, 96, 190-195.	0.7	6
8	A Locally Convolved Cluster Model for Nucleosome Positioning Signals in Chemical Maps. <i>Journal of the American Statistical Association</i> , 2014, 109, 48-62.	3.1	8
9	Improving mixture tree construction using better EM algorithms. <i>Computational Statistics and Data Analysis</i> , 2014, 74, 17-25.	1.2	3
10	Kernels, Degrees of Freedom, and Power Properties of Quadratic Distance Goodness-of-Fit Tests. <i>Journal of the American Statistical Association</i> , 2014, 109, 395-410.	3.1	16
11	A universally consistent modification of maximum likelihood. <i>Statistica Sinica</i> , 2013, , .	0.3	4
12	Fisher information matrix: A tool for dimension reduction, projection pursuit, independent component analysis, and more. <i>Canadian Journal of Statistics</i> , 2012, 40, 712-730.	0.9	8
13	MixtureTree: a program for constructing phylogeny. <i>BMC Bioinformatics</i> , 2011, 12, 111.	2.6	5
14	Modal simulation and visualization in finite mixture models. <i>Canadian Journal of Statistics</i> , 2011, 39, 421-437.	0.9	2
15	Mixture Tree Construction and Its Applications. , 2011, , 135-147.		1
16	Projection pursuit via white noise matrices. <i>Sankhya B</i> , 2010, 72, 123-153.	0.9	16
17	A computational strategy for doubly smoothed MLE exemplified in the normal mixture model. <i>Computational Statistics and Data Analysis</i> , 2010, 54, 1930-1941.	1.2	16
18	Highly Efficient Aggregate Unbiased Estimating Functions Approach for Correlated Data With Missing at Random. <i>Journal of the American Statistical Association</i> , 2010, 105, 194-204.	3.1	16

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19	Building and using semiparametric tolerance regions for parametric multinomial models. <i>Annals of Statistics</i> , 2009, 37, .	2.6	14
20	Bayesian Mixture Labeling by Highest Posterior Density. <i>Journal of the American Statistical Association</i> , 2009, 104, 758-767.	3.1	71
21	Model Assessment Tools for a Model False World. <i>Statistical Science</i> , 2009, 24, .	2.8	22
22	Model Selection in High Dimensions: A Quadratic-Risk-Based Approach. <i>Journal of the Royal Statistical Society Series B: Statistical Methodology</i> , 2008, 70, 95-118.	2.2	31
23	An exponential partial prior for improving nonparametric maximum likelihood estimation in mixture models. <i>Statistical Methodology</i> , 2008, 5, 30-45.	0.5	14
24	Model diagnostic tests for selecting informative correlation structure in correlated data. <i>Biometrika</i> , 2008, 95, 891-905.	2.4	5
25	Quadratic distances on probabilities: A unified foundation. <i>Annals of Statistics</i> , 2008, 36, .	2.6	32
26	Estimating the number of classes. <i>Annals of Statistics</i> , 2007, 35, 917.	2.6	46
27	Building mixture trees from binary sequence data. <i>Biometrika</i> , 2006, 93, 843-860.	2.4	7
28	Widespread genome duplications throughout the history of flowering plants. <i>Genome Research</i> , 2006, 16, 738-749.	5.5	664
29	Gene capture prediction and overlap estimation in EST sequencing from one or multiple libraries. <i>BMC Bioinformatics</i> , 2005, 6, 300.	2.6	24
30	A Penalized Nonparametric Maximum Likelihood Approach to Species Richness Estimation. <i>Journal of the American Statistical Association</i> , 2005, 100, 942-959.	3.1	73
31	The topography of multivariate normal mixtures. <i>Annals of Statistics</i> , 2005, 33, 2042.	2.6	130
32	EST clustering error evaluation and correction. <i>Bioinformatics</i> , 2004, 20, 2973-2984.	4.1	68
33	Estimating the number of classes in multiple populations: A geometric analysis. <i>Canadian Journal of Statistics</i> , 2004, 32, 303-314.	0.9	5
34	The iteratively reweighted estimating equation in minimum distance problems. <i>Computational Statistics and Data Analysis</i> , 2004, 45, 105-124.	1.2	12
35	Some variants of minimum disparity estimation. <i>Computational Statistics and Data Analysis</i> , 2004, 45, 741-763.	1.2	5
36	A Report on the Future of Statistics. <i>Statistical Science</i> , 2004, 19, 387.	2.8	34

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37	Tests and diagnostics for heterogeneity in the species problem. <i>Computational Statistics and Data Analysis</i> , 2003, 41, 389-398.	1.2	14
38	Building adaptive estimating equations when inverse of covariance estimation is difficult. <i>Journal of the Royal Statistical Society Series B: Statistical Methodology</i> , 2003, 65, 127-142.	2.2	42
39	Inference Functions and Quadratic Score Tests. <i>Statistical Science</i> , 2003, 18, 394.	2.8	46
40	A Poisson model for the coverage problem with a genomic application. <i>Biometrika</i> , 2002, 89, 669-682.	2.4	34
41	The residual adjustment function and weighted likelihood: a graphical interpretation of robustness of minimum disparity estimators. <i>Computational Statistics and Data Analysis</i> , 2002, 39, 21-33.	1.2	20
42	Alternative EM methods for nonparametric finite mixture models. <i>Biometrika</i> , 2001, 88, 535-550.	2.4	40
43	Aitken-based acceleration methods for assessing convergence of multilayer neural networks. <i>IEEE Transactions on Neural Networks</i> , 2001, 12, 998-1012.	4.2	6
44	Moments Determine the Tail of a Distribution (But Not Much Else). <i>American Statistician</i> , 2000, 54, 248.	1.6	16
45	Moment-Based Approximations of Distributions Using Mixtures: Theory and Applications. <i>Annals of the Institute of Statistical Mathematics</i> , 2000, 52, 215-230.	0.8	50
46	Improving generalised estimating equations using quadratic inference functions. <i>Biometrika</i> , 2000, 87, 823-836.	2.4	336
47	Weighted Likelihood Equations with Bootstrap Root Search. <i>Journal of the American Statistical Association</i> , 1998, 93, 740-750.	3.1	96
48	Weighted Likelihood Equations with Bootstrap Root Search. <i>Journal of the American Statistical Association</i> , 1998, 93, 740.	3.1	31
49	On second-order optimality of the observed Fisher information. <i>Annals of Statistics</i> , 1997, 25, 2172.	2.6	65
50	Weighted likelihood estimating equations: The discrete case with applications to logistic regression. <i>Journal of Statistical Planning and Inference</i> , 1997, 57, 215-232.	0.6	59
51	Projections on cones, chi-bar squared distributions, and Weyl's formula. <i>Statistics and Probability Letters</i> , 1997, 32, 367-376.	0.7	20
52	Moment-based oscillation properties of mixture models. <i>Annals of Statistics</i> , 1997, 25, .	2.6	10
53	A Simple and Accurate Method for Approximate Conditional Inference Applied to Exponential Family Models. <i>Journal of the Royal Statistical Society Series B: Methodological</i> , 1996, 58, 177-188.	0.7	6
54	A Semiparametric Mixture Approach to Case-Control Studies with Errors in Covariables. <i>Journal of the American Statistical Association</i> , 1996, 91, 722-732.	3.1	87

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55	Projected score methods for approximating conditional scores. <i>Biometrika</i> , 1996, 83, 1-13.	2.4	25
56	A Semiparametric Mixture Approach to Case-Control Studies With Errors in Covariables. <i>Journal of the American Statistical Association</i> , 1996, 91, 722.	3.1	21
57	A review of semiparametric mixture models. <i>Journal of Statistical Planning and Inference</i> , 1995, 47, 29-39.	0.6	54
58	Mixture Models. NSF-CBMS Regional Conference Series in Probability and Statistics, 1995, , .	0.1	675
59	The distribution of the likelihood ratio for mixtures of densities from the one-parameter exponential family. <i>Annals of the Institute of Statistical Mathematics</i> , 1994, 46, 373-388.	0.8	174
60	Minimum disparity estimation for continuous models: Efficiency, distributions and robustness. <i>Annals of the Institute of Statistical Mathematics</i> , 1994, 46, 683-705.	0.8	127
61	Testing for the number of components in a mixture of normal distributions using moment estimators. <i>Computational Statistics and Data Analysis</i> , 1994, 17, 473-492.	1.2	24
62	Measuring the relative effectiveness of moment estimators as starting values in maximizing likelihoods. <i>Computational Statistics and Data Analysis</i> , 1994, 17, 493-507.	1.2	20
63	Efficiency Versus Robustness: The Case for Minimum Hellinger Distance and Related Methods. <i>Annals of Statistics</i> , 1994, 22, 1081.	2.6	334
64	A New Index of Fit Based on Mixture Methods for the Analysis of Contingency Tables. <i>Journal of the Royal Statistical Society Series B: Methodological</i> , 1994, 56, 623-639.	0.7	23
65	Uniqueness of estimation and identifiability in mixture models. <i>Canadian Journal of Statistics</i> , 1993, 21, 139-147.	0.9	29
66	Multivariate Normal Mixtures: A Fast Consistent Method of Moments. <i>Journal of the American Statistical Association</i> , 1993, 88, 468-476.	3.1	54
67	Multivariate Normal Mixtures: A Fast Consistent Method of Moments. <i>Journal of the American Statistical Association</i> , 1993, 88, 468.	3.1	9
68	Residual Diagnostics for Mixture Models. <i>Journal of the American Statistical Association</i> , 1992, 87, 785-794.	3.1	61
69	On mixtures of hazards: Nonparametric maximum likelihood in certain competing risk failure models. <i>Journal of Nonparametric Statistics</i> , 1992, 2, 89-103.	0.9	0
70	Computer-Assisted Analysis of Mixtures (C.A.MAN): Statistical Algorithms. <i>Biometrics</i> , 1992, 48, 283.	1.4	112
71	Residual Diagnostics for Mixture Models. <i>Journal of the American Statistical Association</i> , 1992, 87, 785.	3.1	19
72	Semiparametric Estimation in the Rasch Model and Related Exponential Response Models, Including a Simple Latent Class Model for Item Analysis. <i>Journal of the American Statistical Association</i> , 1991, 86, 96-107.	3.1	229

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73	Discussion: Semiparametric mixture models. <i>Journal of Nonparametric Statistics</i> , 1991, 1, 51-55.	0.9	0
74	Semiparametric Estimation in the Rasch Model and Related Exponential Response Models, Including a Simple Latent Class Model for Item Analysis. <i>Journal of the American Statistical Association</i> , 1991, 86, 96.	3.1	34
75	Application of Maximum Likelihood Methods to Population Genetic Data for the Estimation of Individual Fertilities. <i>Biometrics</i> , 1989, 45, 363.	1.4	81
76	On the Determinants of Moment Matrices. <i>Annals of Statistics</i> , 1989, 17, 711.	2.6	34
77	Moment Matrices: Applications in Mixtures. <i>Annals of Statistics</i> , 1989, 17, .	2.6	88
78	Monotonicity of quadratic-approximation algorithms. <i>Annals of the Institute of Statistical Mathematics</i> , 1988, 40, 641-663.	0.8	119
79	A Unified Treatment of Integer Parameter Models. <i>Journal of the American Statistical Association</i> , 1987, 82, 758-764.	3.1	33
80	A Unified Treatment of Integer Parameter Models. <i>Journal of the American Statistical Association</i> , 1987, 82, 758.	3.1	5
81	Exponential Family Mixture Models (with Least-Squares Estimators). <i>Annals of Statistics</i> , 1986, 14, 124.	2.6	22
82	Using Empirical Partially Bayes Inference for Increased Efficiency. <i>Annals of Statistics</i> , 1985, 13, 914.	2.6	36
83	Errors in Inspection: Integer Parameter Maximum Likelihood in a Finite Population. <i>Journal of the American Statistical Association</i> , 1985, 80, 879-885.	3.1	12
84	Errors in Inspection: Integer Parameter Maximum Likelihood in a Finite Population. <i>Journal of the American Statistical Association</i> , 1985, 80, 879.	3.1	3
85	The Geometry of Mixture Likelihoods, Part II: The Exponential Family. <i>Annals of Statistics</i> , 1983, 11, 783.	2.6	168
86	The Geometry of Mixture Likelihoods: A General Theory. <i>Annals of Statistics</i> , 1983, 11, 86.	2.6	470
87	Conditional score functions: Some optimality results. <i>Biometrika</i> , 1982, 69, 503-512.	2.4	100