

Geoffrey J Mclachlan

List of Publications by Year in descending order

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Version: 2024-02-01

217
papers

20,876
citations

71102

41
h-index

11308

136
g-index

243
all docs

243
docs citations

243
times ranked

19145
citing authors

#	ARTICLE	IF	CITATIONS
1	Robust clustering based on finite mixture of multivariate fragmental distributions. <i>Statistical Modelling</i> , 2023, 23, 247-272.	1.1	4
2	Bayesian analysis of generalized linear mixed models with spatial correlated and unrestricted skew normal errors. <i>Communications in Statistics - Theory and Methods</i> , 2022, 51, 8476-8498.	1.0	0
3	Joint frailty modeling of time-to-event data to elicit the evolution pathway of events: a generalized linear mixed model approach. <i>Biostatistics</i> , 2022, 24, 108-123.	1.5	2
4	An overview of skew distributions in model-based clustering. <i>Journal of Multivariate Analysis</i> , 2022, 188, 104853.	1.0	7
5	Statistical file-matching of non-Gaussian data: A game theoretic approach. <i>Computational Statistics and Data Analysis</i> , 2022, 168, 107387.	1.2	0
6	Semi-Supervised Learning of Classifiers from a Statistical Perspective: A Brief Review. <i>Econometrics and Statistics</i> , 2022, , .	0.8	1
7	A spatial heterogeneity mixed model with skew-elliptical distributions. <i>Communications for Statistical Applications and Methods</i> , 2022, 29, 373-391.	0.3	0
8	Skew-normal generalized spatial panel data model. <i>Communications in Statistics Part B: Simulation and Computation</i> , 2021, 50, 3286-3314.	1.2	2
9	On formulations of skew factor models: Skew factors and/or skew errors. <i>Statistics and Probability Letters</i> , 2021, 168, 108935.	0.7	2
10	Mixtures of factor analyzers with scale mixtures of fundamental skew normal distributions. <i>Advances in Data Analysis and Classification</i> , 2021, 15, 481-512.	1.4	6
11	Automated Gating and Dimension Reduction of High-Dimensional Cytometry Data. , 2021, , 281-294.		0
12	Multi-Node Expectation-Maximization algorithm for finite mixture models. <i>Statistical Analysis and Data Mining</i> , 2021, 14, 297-304.	2.8	0
13	Data fusion using factor analysis and low-rank matrix completion. <i>Statistics and Computing</i> , 2021, 31, 1.	1.5	0
14	Estimation of Classification Rules From Partially Classified Data. <i>Studies in Classification, Data Analysis, and Knowledge Organization</i> , 2021, , 149-157.	0.2	1
15	Mixture cure models with time-varying and multilevel frailties for recurrent event data. <i>Statistical Methods in Medical Research</i> , 2020, 29, 1368-1385.	1.5	8
16	Skew-normal Bayesian spatial heterogeneity panel data models. <i>Journal of Applied Statistics</i> , 2020, 47, 804-826.	1.3	1
17	A bivariate joint frailty model with mixture framework for survival analysis of recurrent events with dependent censoring and cure fraction. <i>Biometrics</i> , 2020, 76, 753-766.	1.4	10
18	Approximation by finite mixtures of continuous density functions that vanish at infinity. <i>Cogent Mathematics & Statistics</i> , 2020, 7, 1750861.	0.9	28

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19	An apparent paradox: a classifier based on a partially classified sample may have smaller expected error rate than that if the sample were completely classified. <i>Statistics and Computing</i> , 2020, 30, 1779-1790.	1.5	6
20	Mini-batch learning of exponential family finite mixture models. <i>Statistics and Computing</i> , 2020, 30, 731-748.	1.5	16
21	PPEM: Privacy-preserving EM learning for mixture models. <i>Concurrency Computation Practice and Experience</i> , 2019, 31, e5208.	2.2	4
22	Finite Mixture Models. <i>Annual Review of Statistics and Its Application</i> , 2019, 6, 355-378.	7.0	394
23	Multilevel model with random effects for clustered survival data with multiple failure outcomes. <i>Statistics in Medicine</i> , 2019, 38, 1036-1055.	1.6	6
24	Unsupervised pattern recognition of mixed data structures with numerical and categorical features using a mixture regression modelling framework. <i>Pattern Recognition</i> , 2019, 88, 261-271.	8.1	12
25	On approximations via convolution-defined mixture models. <i>Communications in Statistics - Theory and Methods</i> , 2019, 48, 3945-3955.	1.0	17
26	Deep Gaussian mixture models. <i>Statistics and Computing</i> , 2019, 29, 43-51.	1.5	60
27	Flexible Modelling via Multivariate Skew Distributions. <i>Communications in Computer and Information Science</i> , 2019, , 57-67.	0.5	0
28	Some theoretical results regarding the polygonal distribution. <i>Communications in Statistics - Theory and Methods</i> , 2018, 47, 5083-5095.	1.0	0
29	Stream-suitable optimization algorithms for some soft-margin support vector machine variants. <i>Japanese Journal of Statistics and Data Science</i> , 2018, 1, 81-108.	1.2	1
30	Chunked-and-averaged estimators for vector parameters. <i>Statistics and Probability Letters</i> , 2018, 137, 336-342.	0.7	1
31	A Block EM Algorithm for Multivariate Skew Normal and Skew t -Mixture Models. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2018, 29, 5581-5591.	11.3	13
32	A globally convergent algorithm for lasso-penalized mixture of linear regression models. <i>Computational Statistics and Data Analysis</i> , 2018, 119, 19-38.	1.2	19
33	Whole-volume clustering of time series data from zebrafish brain calcium images via mixture modeling. <i>Statistical Analysis and Data Mining</i> , 2018, 11, 5-16.	2.8	7
34	Randomized mixture models for probability density approximation and estimation. <i>Information Sciences</i> , 2018, 467, 135-148.	6.9	7
35	Robust mixtures of factor analysis models using the restricted multivariate skew- t distribution. <i>Statistical Modelling</i> , 2018, 18, 50-72.	1.1	22
36	EMMIXcskew : An R Package for the Fitting of a Mixture of Canonical Fundamental Skew t -Distributions. <i>Journal of Statistical Software</i> , 2018, 83, .	3.7	31

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37	Maximum Pseudolikelihood Estimation for Model-Based Clustering of Time Series Data. <i>Neural Computation</i> , 2017, 29, 990-1020.	2.2	9
38	Clustering. <i>Methods in Molecular Biology</i> , 2017, 1526, 345-362.	0.9	13
39	Progress on a conjecture regarding the triangular distribution. <i>Communications in Statistics - Theory and Methods</i> , 2017, 46, 11261-11271.	1.0	3
40	Corruption-Resistant Privacy Preserving Distributed EM Algorithm for Model-Based Clustering. , 2017, , .		7
41	Finite Mixture Models in Biostatistics. <i>Handbook of Statistics</i> , 2017, 36, 75-102.	0.6	0
42	Statistical Evaluation of Labeled Comparative Profiling Proteomics Experiments Using Permutation Test. <i>Methods in Molecular Biology</i> , 2017, 1549, 109-117.	0.9	2
43	On the Identification of Correlated Differential Features for Supervised Classification of High-Dimensional Data. <i>Studies in Classification, Data Analysis, and Knowledge Organization</i> , 2017, , 43-57.	0.2	1
44	Private Distributed Three-Party Learning of Gaussian Mixture Models. <i>Communications in Computer and Information Science</i> , 2017, , 75-87.	0.5	2
45	Mixtures of spatial spline regressions for clustering and classification. <i>Computational Statistics and Data Analysis</i> , 2016, 93, 76-85.	1.2	10
46	A Block Minorizationâ€“Maximization Algorithm for Heteroscedastic Regression. <i>IEEE Signal Processing Letters</i> , 2016, 23, 1131-1135.	3.6	1
47	Mixture of Time-Dependent Growth Models with an Application to Blue Swimmer Crab Length-Frequency Data. <i>Biometrics</i> , 2016, 72, 1255-1265.	1.4	3
48	A Simple Parallel EM Algorithm for Statistical Learning via Mixture Models. , 2016, , .		6
49	Finding group structures in â€œBig Dataâ€ in healthcare research using mixture models. , 2016, , .		0
50	Comment on â€œOn nomenclature, and the relative merits of two formulations of skew distributionsâ€ by A. Azzalini, R. Browne, M. Genton, and P. McNicholas. <i>Statistics and Probability Letters</i> , 2016, 116, 1-5.	0.7	31
51	Maximum likelihood estimation of triangular and polygonal distributions. <i>Computational Statistics and Data Analysis</i> , 2016, 102, 23-36.	1.2	8
52	Linear mixed models with marginally symmetric nonparametric random effects. <i>Computational Statistics and Data Analysis</i> , 2016, 103, 151-169.	1.2	2
53	Partial identification in the statistical matching problem. <i>Computational Statistics and Data Analysis</i> , 2016, 104, 79-90.	1.2	6
54	A Universal Approximation Theorem for Mixture-of-Experts Models. <i>Neural Computation</i> , 2016, 28, 2585-2593.	2.2	21

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55	Spatial clustering of time series via mixture of autoregressions models and Markov random fields. <i>Statistica Neerlandica</i> , 2016, 70, 414-439.	1.6	10
56	A benchmark for evaluation of algorithms for identification of cellular correlates of clinical outcomes. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2016, 89, 16-21.	1.5	65
57	Modeling of inter-sample variation in flow cytometric data with the joint clustering and matching procedure. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2016, 89, 30-43.	1.5	23
58	Application of Mixture Models to Large Datasets. , 2016, , 57-74.		3
59	Finite mixtures of canonical fundamental skew t -distributions. <i>Statistics and Computing</i> , 2016, 26, 573-589.	1.5	99
60	Laplace mixture autoregressive models. <i>Statistics and Probability Letters</i> , 2016, 110, 18-24.	0.7	11
61	Extending mixtures of factor models using the restricted multivariate skew-normal distribution. <i>Journal of Multivariate Analysis</i> , 2016, 143, 398-413.	1.0	51
62	Laplace mixture of linear experts. <i>Computational Statistics and Data Analysis</i> , 2016, 93, 177-191.	1.2	38
63	Unsupervised Component-Wise EM Learning for Finite Mixtures of Skew t -distributions. <i>Lecture Notes in Computer Science</i> , 2016, , 692-699.	1.3	0
64	Computation: Expectation-Maximization Algorithm. , 2015, , 469-474.		1
65	Mixture Models in Statistics. , 2015, , 624-628.		8
66	Maximum likelihood estimation of Gaussian mixture models without matrix operations. <i>Advances in Data Analysis and Classification</i> , 2015, 9, 371-394.	1.4	15
67	Inference on differences between classes using cluster-specific contrasts of mixed effects. <i>Biostatistics</i> , 2015, 16, 98-112.	1.5	14
68	Multivariate Analysis: Classification and Discrimination. , 2015, , 116-120.		0
69	A robust factor analysis model using the restricted skew- t distribution. <i>Test</i> , 2015, 24, 510-531.	1.1	31
70	Application of Multiple Imputation for Missing Values in Three-Way Three-Mode Multi-Environment Trial Data. <i>PLoS ONE</i> , 2015, 10, e0144370.	2.5	3
71	Finite mixtures of multivariate skew t -distributions: some recent and new results. <i>Statistics and Computing</i> , 2014, 24, 181-202.	1.5	177
72	Asymptotic inference for hidden process regression models. , 2014, , .		3

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73	On the number of components in a Gaussian mixture model. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, 2014, 4, 341-355.	6.8	110
74	Mixture models for clustering multilevel growth trajectories. Computational Statistics and Data Analysis, 2014, 71, 43-51.	1.2	34
75	False Discovery Rate Control in Magnetic Resonance Imaging Studies via Markov Random Fields. IEEE Transactions on Medical Imaging, 2014, 33, 1735-1748.	8.9	10
76	Joint Modeling and Registration of Cell Populations in Cohorts of High-Dimensional Flow Cytometric Data. PLoS ONE, 2014, 9, e100334.	2.5	41
77	Model-based clustering and classification with non-normal mixture distributions. Statistical Methods and Applications, 2013, 22, 427-454.	1.2	91
78	On mixtures of skew normal and skew t -distributions. Advances in Data Analysis and Classification, 2013, 7, 241-266.	1.4	157
79	On the classification of microarray gene-expression data. Briefings in Bioinformatics, 2013, 14, 402-410.	6.5	16
80	Rejoinder to the discussion of "Model-based clustering and classification with non-normal mixture distributions". Statistical Methods and Applications, 2013, 22, 473-479.	1.2	0
81	Spatial False Discovery Rate Control for Magnetic Resonance Imaging Studies. , 2013, , .		1
82	Critical assessment of automated flow cytometry data analysis techniques. Nature Methods, 2013, 10, 228-238.	19.0	509
83	Using cluster analysis to improve gene selection in the formation of discriminant rules for the prediction of disease outcomes. , 2013, , .		0
84	A common factor-analytic model for classification. , 2013, , .		0
85	Clustering of Gene Expression Data Via Normal Mixture Models. Methods in Molecular Biology, 2013, 972, 103-119.	0.9	2
86	EMMIXskew: An R Package for Fitting Mixtures of Multivariate Skew Distributions via the EM Algorithm. Journal of Statistical Software, 2013, 55, .	3.7	44
87	TOP-10 DATA MINING CASE STUDIES. International Journal of Information Technology and Decision Making, 2012, 11, 389-400.	3.9	5
88	The EM Algorithm. , 2012, , 139-172.		57
89	Clustering of time-course gene expression profiles using normal mixture models with autoregressive random effects. BMC Bioinformatics, 2012, 13, 300.	2.6	18
90	Conservation and divergence in Toll-like receptor 4-regulated gene expression in primary human versus mouse macrophages. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, E944-53.	7.1	332

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91	Mixtures of common t -factor analyzers for clustering high-dimensional microarray data. <i>Bioinformatics</i> , 2011, 27, 1269-1276.	4.1	62
92	Commentary on Steinley and Brusco (2011): Recommendations and cautions.. <i>Psychological Methods</i> , 2011, 16, 80-81.	3.5	13
93	A very fast algorithm for matrix factorization. <i>Statistics and Probability Letters</i> , 2011, 81, 773-782.	0.7	17
94	Testing for Group Structure in High-Dimensional Data. <i>Journal of Biopharmaceutical Statistics</i> , 2011, 21, 1113-1125.	0.8	2
95	CLASSIFICATION OF HIGH-DIMENSIONAL MICROARRAY DATA WITH A TWO-STEP PROCEDURE VIA A WILCOXON CRITERION AND MULTILAYER PERCEPTRON. <i>International Journal of Computational Intelligence and Applications</i> , 2011, 10, 1-14.	0.8	2
96	Assessing the adequacy of Weibull survival models: a simulated envelope approach. <i>Journal of Applied Statistics</i> , 2011, 38, 2089-2097.	1.3	3
97	A comparative study of two matrix factorization methods applied to the classification of gene expression data. , 2010, , .		1
98	On relations between Genes and metagenes obtained via gradient-based matrix factorization. , 2010, , .		0
99	Integrative mixture of experts to combine clinical factors and gene markers. <i>Bioinformatics</i> , 2010, 26, 1192-1198.	4.1	27
100	Use of Mixture Models in Multiple Hypothesis Testing with Applications in Bioinformatics. <i>Studies in Classification, Data Analysis, and Knowledge Organization</i> , 2010, , 177-184.	0.2	3
101	Autoantibody profiling to identify biomarkers of key pathogenic pathways in mucinous ovarian cancer. <i>European Journal of Cancer</i> , 2010, 46, 170-179.	2.8	33
102	Mixtures of Factor Analyzers with Common Factor Loadings: Applications to the Clustering and Visualization of High-Dimensional Data. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2010, 32, 1298-1309.	13.9	111
103	Identifying fiber bundles with regularised k -means clustering applied to the grid-based data. , 2010, , .		2
104	Clustering of High-Dimensional and Correlated Data. <i>Studies in Classification, Data Analysis, and Knowledge Organization</i> , 2010, , 3-11.	0.2	2
105	RSCTC™2010 Discovery Challenge: Mining DNA Microarray Data for Medical Diagnosis and Treatment. <i>Lecture Notes in Computer Science</i> , 2010, , 4-19.	1.3	24
106	Penalized Principal Component Analysis of Microarray Data. <i>Lecture Notes in Computer Science</i> , 2010, , 82-96.	1.3	5
107	On a general method for matrix factorisation applied to supervised classification. , 2009, , .		5
108	Automated high-dimensional flow cytometric data analysis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 8519-8524.	7.1	355

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109	A score test for assessing the cured proportion in the long-term survivor mixture model. <i>Statistics in Medicine</i> , 2009, 28, 3454-3466.	1.6	9
110	Multivariate Skew t Mixture Models: Applications to Fluorescence-Activated Cell Sorting Data. , 2009, , ,		31
111	Clustering of High-Dimensional Data via Finite Mixture Models. <i>Studies in Classification, Data Analysis, and Knowledge Organization</i> , 2009, , 33-44.	0.2	1
112	Ensemble Approach for the Classification of Imbalanced Data. <i>Lecture Notes in Computer Science</i> , 2009, , 291-300.	1.3	13
113	Statistical Analysis on Microarray Data: Selection of Gene Prognosis Signatures. , 2009, , 55-76.		2
114	Characteristic traffic load effects from a mixture of loading events on short to medium span bridges. <i>Structural Safety</i> , 2008, 30, 394-404.	5.3	61
115	Comments on: Augmenting the bootstrap to analyze high dimensional genomic data. <i>Test</i> , 2008, 17, 43-46.	1.1	12
116	Top 10 algorithms in data mining. <i>Knowledge and Information Systems</i> , 2008, 14, 1-37.	3.2	4,153
117	On selection biases with prediction rules formed from gene expression data. <i>Journal of Statistical Planning and Inference</i> , 2008, 138, 374-386.	0.6	15
118	Clustering. <i>Methods in Molecular Biology</i> , 2008, 453, 423-439.	0.9	9
119	Bivariate mixture modeling of transferrin saturation and serum ferritin concentration in Asians, African Americans, Hispanics, and whites in the Hemochromatosis and Iron Overload Screening (HEIRS) Study. <i>Translational Research</i> , 2008, 151, 97-109.	5.0	5
120	Wallace's Approach to Unsupervised Learning: The Snob Program. <i>Computer Journal</i> , 2008, 51, 571-578.	2.4	4
121	Clustering via Mixture Regression Models with Random Effects. , 2008, , 397-407.		0
122	Resolving the latent structure of schizophrenia endophenotypes using expectation-maximization-based finite mixture modeling.. <i>Journal of Abnormal Psychology</i> , 2007, 116, 16-29.	1.9	63
123	Segmentation and intensity estimation of microarray images using a gamma-t mixture model. <i>Bioinformatics</i> , 2007, 23, 458-465.	4.1	8
124	Maternity Length of Stay Modelling by Gamma Mixture Regression with Random Effects. <i>Biometrical Journal</i> , 2007, 49, 750-764.	1.0	12
125	Two-component Poisson mixture regression modelling of count data with bivariate random effects. <i>Mathematical and Computer Modelling</i> , 2007, 46, 1468-1476.	2.0	6
126	A score test for overdispersion in zero-inflated poisson mixed regression model. <i>Statistics in Medicine</i> , 2007, 26, 1608-1622.	1.6	54

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127	Multilevel survival modelling of recurrent urinary tract infections. Computer Methods and Programs in Biomedicine, 2007, 87, 225-229.	4.7	11
128	Extension of mixture-of-experts networks for binary classification of hierarchical data. Artificial Intelligence in Medicine, 2007, 41, 57-67.	6.5	25
129	Merging Algorithm to Reduce Dimensionality in Application to Web-Mining. , 2007, , 755-761.		0
130	Multi-level zero-inflated Poisson regression modelling of correlated count data with excess zeros. Statistical Methods in Medical Research, 2006, 15, 47-61.	1.5	169
131	A score test for zero-inflation in correlated count data. Statistics in Medicine, 2006, 25, 1660-1671.	1.6	28
132	An incremental EM-based learning approach for on-line prediction of hospital resource utilization. Artificial Intelligence in Medicine, 2006, 36, 257-267.	6.5	21
133	A Mixture model with random-effects components for clustering correlated gene-expression profiles. Bioinformatics, 2006, 22, 1745-1752.	4.1	143
134	A simple implementation of a normal mixture approach to differential gene expression in multiclass microarrays. Bioinformatics, 2006, 22, 1608-1615.	4.1	153
135	MIXTURE MODELS FOR DETECTING DIFFERENTIALLY EXPRESSED GENES IN MICROARRAYS. International Journal of Neural Systems, 2006, 16, 353-362.	5.2	4
136	Multilevel modeling for inference of genetic regulatory networks. , 2005, , .		0
137	Mixture Models for Failure-Time Data. Wiley Series in Probability and Statistics, 2005, , 268-286.	0.0	0
138	Using mixture models to detect differentially expressed genes. Australian Journal of Experimental Agriculture, 2005, 45, 859.	1.0	15
139	Mixture Analysis of Directional Data. Wiley Series in Probability and Statistics, 2005, , 287-301.	0.0	0
140	Variants of the EM Algorithm for Large Databases. Wiley Series in Probability and Statistics, 2005, , 302-325.	0.0	0
141	Hidden Markov Models. Wiley Series in Probability and Statistics, 2005, , 326-341.	0.0	0
142	Multivariate Normal Mixtures. Wiley Series in Probability and Statistics, 2005, , 81-116.	0.0	7
143	ML Fitting of Mixture Models. Wiley Series in Probability and Statistics, 2005, , 40-80.	0.0	4
144	Bayesian Approach to Mixture Analysis. Wiley Series in Probability and Statistics, 2005, , 117-134.	0.0	0

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145	Mixtures with Nonnormal Components. Wiley Series in Probability and Statistics, 2005, , 135-174.	0.0	0
146	Assessing the Number of Components in Mixture Models. Wiley Series in Probability and Statistics, 2005, , 175-220.	0.0	3
147	Multivariate t Mixtures. Wiley Series in Probability and Statistics, 2005, , 221-237.	0.0	0
148	Mixtures of Factor Analyzers. Wiley Series in Probability and Statistics, 2005, , 238-256.	0.0	65
149	Fitting Mixture Models to Binned Data. Wiley Series in Probability and Statistics, 2005, , 257-267.	0.0	0
150	Appendix: Mixture Software. Wiley Series in Probability and Statistics, 2005, , 343-348.	0.0	0
151	Speeding up the EM algorithm for mixture model-based segmentation of magnetic resonance images. Pattern Recognition, 2004, 37, 1573-1589.	8.1	27
152	Modelling the distribution of ischaemic stroke-specific survival time using an EM-based mixture approach with random effects adjustment. Statistics in Medicine, 2004, 23, 2729-2744.	1.6	34
153	On a resampling approach for tests on the number of clusters with mixture model-based clustering of tissue samples. Journal of Multivariate Analysis, 2004, 90, 90-105.	1.0	37
154	Using the EM Algorithm to Train Neural Networks: Misconceptions and a New Algorithm for Multiclass Classification. IEEE Transactions on Neural Networks, 2004, 15, 738-749.	4.2	39
155	Title is missing!. Statistics and Computing, 2003, 13, 45-55.	1.5	27
156	Modelling high-dimensional data by mixtures of factor analyzers. Computational Statistics and Data Analysis, 2003, 41, 379-388.	1.2	238
157	An EM-based semi-parametric mixture model approach to the regression analysis of competing-risks data. Statistics in Medicine, 2003, 22, 1097-1111.	1.6	32
158	MODEL-BASED CLUSTERING IN GENE EXPRESSION MICROARRAYS: AN APPLICATION TO BREAST CANCER DATA. International Journal of Software Engineering and Knowledge Engineering, 2003, 13, 579-592.	0.8	15
159	A mixture model-based approach to the clustering of microarray expression data. Bioinformatics, 2002, 18, 413-422.	4.1	496
160	Selection bias in gene extraction on the basis of microarray gene-expression data. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 6562-6566.	7.1	1,276
161	Maximum Likelihood Estimation of Mixture Densities for Binned and Truncated Multivariate Data. Machine Learning, 2002, 47, 7-34.	5.4	39
162	Fitting Mixtures of Kent Distributions to Aid in Joint Set Identification. Journal of the American Statistical Association, 2001, 96, 56-63.	3.1	54

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163	Patient-specific analysis of sequential haematological data by multiple linear regression and mixture distribution modelling. , 2000, 19, 83-98.		4
164	Robust mixture modelling using the t distribution. <i>Statistics and Computing</i> , 2000, 10, 339-348.	1.5	682
165	Constrained mixture models in competing risks problems. <i>Environmetrics</i> , 1999, 10, 753-767.	1.4	2
166	Distribution of transferrin saturation in an Australian population: Relevance to the early diagnosis of hemochromatosis. <i>Gastroenterology</i> , 1998, 114, 543-549.	1.3	138
167	On modifications to the long-term survival mixture model in the presence of competing risks. <i>Journal of Statistical Computation and Simulation</i> , 1998, 61, 77-96.	1.2	9
168	Robust cluster analysis via mixtures of multivariate t-distributions. <i>Lecture Notes in Computer Science</i> , 1998, , 658-666.	1.3	71
169	High-Breakdown Linear Discriminant Analysis. <i>Journal of the American Statistical Association</i> , 1997, 92, 136-143.	3.1	100
170	An analysis of valve re-replacement after aortic valve replacement with biologic devices. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 1997, 113, 311-318.	0.8	37
171	High-Breakdown Linear Discriminant Analysis. <i>Journal of the American Statistical Association</i> , 1997, 92, 136.	3.1	29
172	Maximum likelihood clustering via normal mixture models. <i>Signal Processing: Image Communication</i> , 1996, 8, 105-111.	3.2	16
173	An algorithm for the likelihood ratio test of one versus two components in a normal mixture model fitted to grouped and truncated data. <i>Communications in Statistics Part B: Simulation and Computation</i> , 1995, 24, 965-985.	1.2	3
174	Asymptotic relative efficiency of the linear discriminant function under partial nonrandom classification of the training data. <i>Journal of Statistical Computation and Simulation</i> , 1995, 52, 415-426.	1.2	6
175	Relationship of platelet aggregation to bleeding after cardiopulmonary bypass. <i>Annals of Thoracic Surgery</i> , 1994, 57, 981-986.	1.3	104
176	Parametric Estimation in a Genetic Mixture Model with Application to Nuclear Family Data. <i>Biometrics</i> , 1994, 50, 128.	1.4	12
177	Estimation of mixing proportions in the presence of autoregressively correlated training data:the case of two univariate normal populations. <i>Communications in Statistics Part B: Simulation and Computation</i> , 1994, 23, 591-613.	1.2	0
178	An analysis of risk factors for death and mode-specific death after aortic valve replacement with allograft, xenograft, and mechanical valves. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 1993, 106, 895-911.	0.8	24
179	Aortic valve infection. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 1992, 104, 511-520.	0.8	121
180	Allograft Aortic Valve Replacement: Long-Term Comparative Clinical Analysis of the Viable Cryopreserved and Antibiotic 4Å°C Stored Valves. <i>Journal of Cardiac Surgery</i> , 1991, 6, 534-543.	0.7	127

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181	The analysis of time-related events after cardiac surgery. The AustralAsian Journal of Cardiac and Thoracic Surgery, 1991, 1, 11-13.	0.1	0
182	Modelling mass-size particle data by finite mixtures. Communications in Statistics - Theory and Methods, 1989, 18, 2629-2646.	1.0	10
183	Mixture models for partially unclassified data: A case study of renal venous renin in hypertension. Statistics in Medicine, 1989, 8, 1291-1300.	1.6	18
184	Bias associated with the discriminant analysis approach to the estimation of mixing proportions. Pattern Recognition, 1989, 22, 763-766.	8.1	4
185	Further results on discrimination with autocorrelated observations. Pattern Recognition, 1988, 21, 69-72.	8.1	5
186	Fitting Mixture Models to Grouped and Truncated Data via the EM Algorithm. Biometrics, 1988, 44, 571.	1.4	102
187	Assessing the performance of an allocation rule. Computers and Mathematics With Applications, 1986, 12, 261-272.	2.7	26
188	Asymptotic error rates of the W and Z statistics when the training observations are dependent. Pattern Recognition, 1986, 19, 467-471.	8.1	10
189	The mixture method of clustering applied to three-way data. Journal of Classification, 1985, 2, 109-125.	2.2	71
190	Cluster analysis in a randomized complete block design. Communications in Statistics - Theory and Methods, 1985, 14, 451-463.	1.0	5
191	Some asymptotic results on the effect of autocorrelation on the error rates of the sample linear discriminant function. Pattern Recognition, 1983, 16, 119-121.	8.1	17
192	On the bias and variance of some proportion estimators. Communications in Statistics Part B: Simulation and Computation, 1982, 11, 715-726.	1.2	7
193	Updating a discriminant function on the basis of unclassified data. Communications in Statistics Part B: Simulation and Computation, 1982, 11, 753-767.	1.2	41
194	Some Efficiency Results for the Estimation of the Mixing Proportion in a Mixture of Two Normal Distributions. Biometrics, 1981, 37, 23.	1.4	25
195	The efficiency of Efron's "Bootstrap" Approach Applied to Error Rate Estimation in Discriminant Analysis. Journal of Statistical Computation and Simulation, 1980, 11, 273-279.	1.2	21
196	A comparison of the mixture and classification approaches to cluster analysis. Communications in Statistics - Theory and Methods, 1980, 9, 923-933.	1.0	12
197	The efficiency of a linear discriminant function based on unclassified initial samples. Biometrika, 1978, 65, 658-665.	2.4	71
198	The biases associated with maximum likelihood methods of estimation of the multivariate logistic risk function. Communications in Statistics - Theory and Methods, 1978, 7, 877-890.	1.0	16

#	ARTICLE	IF	CITATIONS
199	Constrained sample discrimination with the studentized classification statistic w. Communications in Statistics - Theory and Methods, 1977, 6, 575-583.	1.0	8
200	A note on the choice of a weighting function to give an efficient method for estimating the probability of misclassification. Pattern Recognition, 1977, 9, 147-149.	8.1	24
201	Further results on the effect of intraclass correlation among training samples in discriminant analysis. Pattern Recognition, 1976, 8, 273-275.	8.1	12
202	The bias of the apparent error rate in discriminant analysis. Biometrika, 1976, 63, 239-244.	2.4	53
203	SOME EXPECTED VALUES FOR THE ERROR RATES OF THE SAMPLE QUADRATIC DISCRIMINANT FUNCTION ¹ . The Australian Journal of Statistics, 1975, 17, 161-165.	0.2	8
204	The asymptotic distributions of the conditional error rate and risk in discriminant analysis. Biometrika, 1974, 61, 131-135.	2.4	25
205	An Asymptotic Unbiased Technique for Estimating the Error Rates in Discriminant Analysis. Biometrics, 1974, 30, 239.	1.4	66
206	AN ASYMPTOTIC EXPANSION OF THE EXPECTATION OF THE ESTIMATED ERROR RATE IN DISCRIMINANT ANALYSIS ¹ . The Australian Journal of Statistics, 1973, 15, 210-214.	0.2	28
207	The errors of allocation and their estimators in the two-population discrimination problem. Bulletin of the Australian Mathematical Society, 1973, 9, 149-150.	0.5	3
208	AN ASYMPTOTIC EXPANSION FOR THE VARIANCE OF THE ERRORS OF MISCLASSIFICATION OF THE LINEAR DISCRIMINANT FUNCTION ¹ . The Australian Journal of Statistics, 1972, 14, 68-72.	0.2	12
209	Clustering of Microarray Data via Mixture Models. , 0, , 365-383.		0
210	Basic Theory of the EM Algorithm. , 0, , 77-103.		1
211	Extensions of the EM Algorithm. , 0, , 159-218.		5
212	Examples of the EM Algorithm. , 0, , 41-75.		0
213	Standard Errors and Speeding up Convergence. , 0, , 105-157.		0
214	Monte Carlo Versions of the EM Algorithm. , 0, , 219-267.		0
215	Some Generalizations of the EM Algorithm. , 0, , 269-287.		0
216	Further Applications of the EM Algorithm. , 0, , 289-310.		0

#	ARTICLE	IF	CITATIONS
217	Approximation of probability density functions via location-scale finite mixtures in Lebesgue spaces. Communications in Statistics - Theory and Methods, 0, , 1-12.	1.0	2