

Model-Based Clustering

Journal of Classification

33, 331-373

DOI: [10.1007/s00357-016-9211-9](https://doi.org/10.1007/s00357-016-9211-9)

Citation Report

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Model-based clustering for spatiotemporal data on air quality monitoring. <i>Environmetrics</i> , 2017, 28, e2437. | 0.6 | 15 |
| 2 | Multivariate Response and Parsimony for Gaussian Cluster-Weighted Models. <i>Journal of Classification</i> , 2017, 34, 4-34. | 1.2 | 56 |
| 3 | A mixture of SDB skew- t factor analyzers. <i>Econometrics and Statistics</i> , 2017, 3, 160-168. | 0.4 | 29 |
| 4 | Copula-based clustering methods. , 2017, , 49-67. | | 7 |
| 5 | Hidden truncation hyperbolic distributions, finite mixtures thereof, and their application for clustering. <i>Journal of Multivariate Analysis</i> , 2017, 161, 141-156. | 0.5 | 20 |
| 7 | Variable selection for latent class analysis with application to low back pain diagnosis. <i>Annals of Applied Statistics</i> , 2017, 11, . | 0.5 | 47 |
| 8 | Simultaneous variable weighting and determining the number of clusters – A weighted Gaussian means algorithm. <i>Statistics and Probability Letters</i> , 2018, 137, 148-156. | 0.4 | 26 |
| 9 | Flexible clustering of high-dimensional data via mixtures of joint generalized hyperbolic distributions. <i>Stat</i> , 2018, 7, e177. | 0.3 | 10 |
| 10 | Identifying road user classes based on repeated trip behaviour using Bluetooth data. <i>Transportation Research, Part A: Policy and Practice</i> , 2018, 113, 55-74. | 2.0 | 17 |
| 11 | Finite mixtures of skewed matrix variate distributions. <i>Pattern Recognition</i> , 2018, 80, 83-93. | 5.1 | 55 |
| 12 | Automatic acoustic estimation of sperm whale size distributions achieved through machine recognition of on-axis clicks. <i>Journal of the Acoustical Society of America</i> , 2018, 144, 3485-3495. | 0.5 | 14 |
| 13 | A Robust Distributed Big Data Clustering-based on Adaptive Density Partitioning using Apache Spark. <i>Symmetry</i> , 2018, 10, 342. | 1.1 | 11 |
| 14 | Variable selection methods for model-based clustering. <i>Statistics Surveys</i> , 2018, 12, . | 7.3 | 76 |
| 15 | Addressing overfitting and underfitting in Gaussian model-based clustering. <i>Computational Statistics and Data Analysis</i> , 2018, 127, 160-171. | 0.7 | 23 |
| 16 | Some remarks on the R^2 for clustering. <i>Statistical Analysis and Data Mining</i> , 2018, 11, 135-148. | 1.4 | 4 |
| 17 | Subspace clustering with the multivariate-t distribution. <i>Pattern Recognition Letters</i> , 2018, 112, 297-302. | 2.6 | 11 |
| 18 | Distance Metrics and Clustering Methods for Mixed-type Data. <i>International Statistical Review</i> , 2019, 87, 80-109. | 1.1 | 37 |
| 19 | On Fractionally-Supervised Classification: Weight Selection and Extension to the Multivariate t-Distribution. <i>Journal of Classification</i> , 2019, 36, 232-265. | 1.2 | 8 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 22 | Model-based Clustering: Basic Ideas. , 2019, , 15-78. | | 0 |
| 23 | Dealing with Difficulties. , 2019, , 79-108. | | 0 |
| 24 | Model-based Classification. , 2019, , 109-133. | | 0 |
| 25 | Semi-supervised Clustering and Classification. , 2019, , 134-162. | | 0 |
| 26 | Discrete Data Clustering. , 2019, , 163-198. | | 0 |
| 27 | Variable Selection. , 2019, , 199-216. | | 0 |
| 28 | High-dimensional Data. , 2019, , 217-258. | | 0 |
| 29 | Non-Gaussian Model-based Clustering. , 2019, , 259-291. | | 0 |
| 30 | Network Data. , 2019, , 292-330. | | 0 |
| 31 | Model-based Clustering with Covariates. , 2019, , 331-350. | | 0 |
| 32 | Other Topics. , 2019, , 351-383. | | 0 |
| 36 | Model Matching: A Novel Framework to use Clustering Strategy to Solve the Classification Problem. IEEE Access, 2019, 7, 76227-76240. | 2.6 | 1 |
| 37 | Measuring the complexity of social associations using mixture models. Behavioral Ecology and Sociobiology, 2019, 73, 1. | 0.6 | 24 |
| 38 | A Mixture of Coalesced Generalized Hyperbolic Distributions. Journal of Classification, 2019, 36, 26-57. | 1.2 | 27 |
| 39 | Estimating Finite Mixtures of Semi-Markov Chains: An Application to the Segmentation of Temporal Sensory Data. Journal of the Royal Statistical Society Series C: Applied Statistics, 2019, 68, 1281-1303. | 0.5 | 16 |
| 40 | Cluster Analysis of Microarray Data. Methods in Molecular Biology, 2019, 1986, 153-183. | 0.4 | 8 |
| 41 | Reduction of multivariate mixtures and its applications. Journal of Computational Physics, 2019, 383, 94-124. | 1.9 | 1 |
| 42 | Identifying User Communities Using Deep Learning and Its Application to Opportunistic Networking. , 2019, , . | | 2 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 43 | Mixtures of generalized hyperbolic distributions and mixtures of skew-t distributions for model-based clustering with incomplete data. <i>Computational Statistics and Data Analysis</i> , 2019, 130, 18-41. | 0.7 | 15 |
| 44 | Finite mixtures, projection pursuit and tensor rank: a triangulation. <i>Advances in Data Analysis and Classification</i> , 2019, 13, 145-173. | 0.9 | 11 |
| 45 | Asymmetric clusters and outliers: Mixtures of multivariate contaminated shifted asymmetric Laplace distributions. <i>Computational Statistics and Data Analysis</i> , 2019, 132, 145-166. | 0.7 | 23 |
| 46 | A spatially constrained shifted asymmetric Laplace mixture model for the grayscale image segmentation. <i>Neurocomputing</i> , 2019, 331, 50-57. | 3.5 | 19 |
| 47 | sARI: a soft agreement measure for class partitions incorporating assignment probabilities. <i>Advances in Data Analysis and Classification</i> , 2019, 13, 303-323. | 0.9 | 3 |
| 48 | Marketing analytics: Methods, practice, implementation, and links to other fields. <i>Expert Systems With Applications</i> , 2019, 119, 456-475. | 4.4 | 55 |
| 49 | Model-based clustering with sparse covariance matrices. <i>Statistics and Computing</i> , 2019, 29, 791-819. | 0.8 | 33 |
| 50 | Flexible High-Dimensional Unsupervised Learning with Missing Data. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2020, 42, 610-621. | 9.7 | 11 |
| 51 | Mixtures of Hidden Truncation Hyperbolic Factor Analyzers. <i>Journal of Classification</i> , 2020, 37, 366-379. | 1.2 | 6 |
| 52 | Variable Selection for Mixed Data Clustering: Application in Human Population Genomics. <i>Journal of Classification</i> , 2020, 37, 124-142. | 1.2 | 7 |
| 53 | Cluster Validation for Mixtures of Regressions via the Total Sum of Squares Decomposition. <i>Journal of Classification</i> , 2020, 37, 526-547. | 1.2 | 12 |
| 54 | An Iterative Approach to Stratification: Poverty at Regional Level in Italy. <i>Social Indicators Research</i> , 2020, , 1. | 1.4 | 1 |
| 55 | Social Experience of Captive Livingstone's Fruit Bats (<i>Pteropus livingstonii</i>). <i>Animals</i> , 2020, 10, 1321. | 1.0 | 7 |
| 56 | A unified framework for packing deformable and non-deformable subcellular structures in crowded cryo-electron tomogram simulation. <i>BMC Bioinformatics</i> , 2020, 21, 399. | 1.2 | 5 |
| 57 | Transport for the Elderly: Activity Patterns, Mode Choices, and Spatiotemporal Constraints. <i>Sustainability</i> , 2020, 12, 10024. | 1.6 | 9 |
| 58 | Detecting British Columbia coastal rainfall patterns by clustering Gaussian processes. <i>Environmetrics</i> , 2020, 31, e2631. | 0.6 | 1 |
| 59 | An Active Inference Approach to Modeling Structure Learning: Concept Learning as an Example Case. <i>Frontiers in Computational Neuroscience</i> , 2020, 14, 41. | 1.2 | 46 |
| 60 | Daily reference evapotranspiration prediction of Tieguanyin tea plants based on mathematical morphology clustering and improved generalized regression neural network. <i>Agricultural Water Management</i> , 2020, 236, 106177. | 2.4 | 20 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 61 | Tolerant and intolerant macaques show different levels of structural complexity in their vocal communication. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020, 287, 20200439. | 1.2 | 23 |
| 62 | Poisson Kernel-Based Clustering on the Sphere: Convergence Properties, Identifiability, and a Method of Sampling. <i>Journal of Computational and Graphical Statistics</i> , 2020, 29, 758-770. | 0.9 | 4 |
| 63 | A Variational Approximations-DIC Rubric for Parameter Estimation and Mixture Model Selection Within a Family Setting. <i>Journal of Classification</i> , 2021, 38, 89-108. | 1.2 | 5 |
| 64 | Classifying settlement types from multi-scale spatial patterns of building footprints. <i>Environment and Planning B: Urban Analytics and City Science</i> , 2021, 48, 1161-1179. | 1.0 | 25 |
| 65 | Simultaneous dimension reduction and clustering via the NMF-EM algorithm. <i>Advances in Data Analysis and Classification</i> , 2021, 15, 231-260. | 0.9 | 2 |
| 66 | Data clustering via cooperative games: A novel approach and comparative study. <i>Information Sciences</i> , 2021, 545, 791-812. | 4.0 | 6 |
| 67 | An Evolutionary Algorithm with Crossover and Mutation for Model-Based Clustering. <i>Journal of Classification</i> , 2021, 38, 264-279. | 1.2 | 3 |
| 68 | Insight Into Individual Differences in Emotion Dynamics With Clustering. <i>Assessment</i> , 2021, 28, 1186-1206. | 1.9 | 10 |
| 69 | Estimating heterogeneous effects of a policy intervention across organizations when organization affiliation is missing for the control group: application to the evaluation of accountable care organizations. <i>Health Services and Outcomes Research Methodology</i> , 2021, 21, 54-68. | 0.8 | 1 |
| 70 | Measuring complexity in organisms and organizations. <i>Royal Society Open Science</i> , 2021, 8, 200895. | 1.1 | 25 |
| 71 | A rough set based algorithm for updating the modes in categorical clustering. <i>International Journal of Machine Learning and Cybernetics</i> , 2021, 12, 2069-2090. | 2.3 | 7 |
| 72 | On Finite Mixture Modeling of Change-point Processes. <i>Journal of Classification</i> , 0, , 1. | 1.2 | 3 |
| 73 | On Bayesian Analysis of Parsimonious Gaussian Mixture Models. <i>Journal of Classification</i> , 0, , 1. | 1.2 | 2 |
| 74 | Matrix Normal Cluster-Weighted Models. <i>Journal of Classification</i> , 2021, 38, 556-575. | 1.2 | 17 |
| 75 | Community Flood Resilience Categorization Framework. <i>International Journal of Disaster Risk Reduction</i> , 2021, 61, 102349. | 1.8 | 21 |
| 76 | Who you are determines how you travel: Clustering human activity patterns with a Markov-chain-based mixture model. <i>Travel Behaviour & Society</i> , 2021, 24, 102-112. | 2.4 | 17 |
| 77 | Classifying patients with depressive and anxiety disorders according to symptom network structures: A Gaussian graphical mixture model-based clustering. <i>PLoS ONE</i> , 2021, 16, e0256902. | 1.1 | 2 |
| 78 | Vine copula mixture models and clustering for non-Gaussian data. <i>Econometrics and Statistics</i> , 2022, 22, 136-158. | 0.4 | 5 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 79 | Gaussian Mixture Model-Based Clustering of Multivariate Data Using Soft Computing Hybrid Algorithm. Lecture Notes on Data Engineering and Communications Technologies, 2021, , 502-513. | 0.5 | 0 |
| 80 | Toward Effective Pattern Recognition Based on Enhanced Weighted K-Mean Clustering Algorithm for Groundwater Resource Planning in Point Cloud. IEEE Access, 2021, 9, 130154-130169. | 2.6 | 4 |
| 83 | Detecting Meaningful Clusters From High-Dimensional Data: A Strongly Consistent Sparse Center-Based Clustering Approach. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2022, 44, 2894-2908. | 9.7 | 20 |
| 84 | Consistency of variational Bayes inference for estimation and model selection in mixtures. Electronic Journal of Statistics, 2018, 12, . | 0.4 | 14 |
| 85 | Modal clustering asymptotics with applications to bandwidth selection. Electronic Journal of Statistics, 2020, 14, . | 0.4 | 5 |
| 86 | Unsupervised methods for identifying pass coverage among defensive backs with NFL player tracking data. Journal of Quantitative Analysis in Sports, 2020, 16, 143-161. | 0.5 | 5 |
| 87 | Performance Analysis of Intrusion Detection Systems Implemented using Hybrid Machine Learning Techniques. International Journal of Computer Applications, 2016, 133, 35-38. | 0.2 | 2 |
| 88 | Biomass Clusterization from a Regional Perspective: The Case of Lithuania. Energies, 2021, 14, 6993. | 1.6 | 3 |
| 89 | Distributional properties and estimation in spatial image clustering. Electronic Journal of Statistics, 2019, 13, . | 0.4 | 0 |
| 90 | Clustering discrete-valued time series. Advances in Data Analysis and Classification, 2021, 15, 209-229. | 0.9 | 6 |
| 91 | Bayesian approaches to variable selection in mixture models with application to disease clustering. Journal of Applied Statistics, 2023, 50, 387-407. | 0.6 | 2 |
| 92 | A DCA Based Algorithm for Feature Selection in Model-Based Clustering. Lecture Notes in Computer Science, 2020, , 404-415. | 1.0 | 2 |
| 93 | A Study on Efficient Clustering Techniques Involved in Dealing With Diverse Attribute Data. Advances in Computer and Electrical Engineering Book Series, 2020, , 131-149. | 0.2 | 0 |
| 94 | Issues in Gaussian Model-Based Clustering. Behaviormetrics, 2020, , 291-340. | 0.5 | 0 |
| 95 | Reliable clustering of Bernoulli mixture models. Bernoulli, 2020, 26, . | 0.7 | 1 |
| 96 | A partial EM algorithm for model-based clustering with highly diverse missing data patterns. Stat, 2022, 11, e437. | 0.3 | 0 |
| 97 | Mixtures of Matrix-Variate Contaminated Normal Distributions. Journal of Computational and Graphical Statistics, 2022, 31, 413-421. | 0.9 | 13 |
| 98 | A Novel Approach for Gaussian Mixture Model Clustering Based on Soft Computing Method. IEEE Access, 2021, 9, 159987-160003. | 2.6 | 5 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 99 | Missing value imputation affects the performance of machine learning: A review and analysis of the literature (2010â€“2021). <i>Informatics in Medicine Unlocked</i> , 2021, 27, 100799. | 1.9 | 48 |
| 100 | Multivariate cluster weighted models using skewed distributions. <i>Advances in Data Analysis and Classification</i> , 2022, 16, 93-124. | 0.9 | 7 |
| 101 | High-Dimensional Clustering via Random Projections. <i>Journal of Classification</i> , 2022, 39, 191-216. | 1.2 | 5 |
| 102 | Multipartition clustering of mixed data with Bayesian networks. <i>International Journal of Intelligent Systems</i> , 2022, 37, 2188-2218. | 3.3 | 2 |
| 103 | Modelling studentsâ€™ career indicators via mixtures of parsimonious matrixâ€“normal distributions. <i>Australian and New Zealand Journal of Statistics</i> , 2022, 64, 117-132. | 0.4 | 4 |
| 105 | Effective Frameworks Based on Infinite Mixture Model for Real-World Applications. <i>Computers, Materials and Continua</i> , 2022, 72, 1139-1156. | 1.5 | 0 |
| 106 | Entropy-Based Variational Scheme with Component Splitting for the Efficient Learning of Gamma Mixtures. <i>Sensors</i> , 2022, 22, 186. | 2.1 | 3 |
| 107 | A Typology of Shrinking Cities: The Social and Economic Dynamic of Romanian Urban Network 2010-2020. <i>Studia Universitatis Babeş-Bolyai Sociologia</i> , 2021, 66, 35-66. | 0.1 | 0 |
| 108 | Penalized maximum likelihood estimator for finite multivariate skew normal mixtures. <i>Communications in Statistics - Theory and Methods</i> , 0, , 1-26. | 0.6 | 0 |
| 110 | On Consistent Entropy-Regularized k-Means Clustering With Feature Weight Learning: Algorithm and Statistical Analyses. <i>IEEE Transactions on Cybernetics</i> , 2023, 53, 4779-4790. | 6.2 | 3 |
| 111 | An LVQ clustering algorithm based on neighborhood granules. <i>Journal of Intelligent and Fuzzy Systems</i> , 2022, 43, 6109-6122. | 0.8 | 2 |
| 112 | A hybrid steady-state evolutionary algorithm using random swaps for Gaussian model-based clustering. <i>Expert Systems With Applications</i> , 2022, 208, 118159. | 4.4 | 4 |
| 113 | Finite Mixture of Censored Linear Mixed Models for Irregularly Observed Longitudinal Data. <i>Journal of Classification</i> , 2022, 39, 463-486. | 1.2 | 1 |
| 114 | Infinite Mixtures of Multivariate Normal-Inverse Gaussian Distributions for Clustering of Skewed Data. <i>Journal of Classification</i> , 0, , . | 1.2 | 0 |
| 115 | Data Mining Approach Based on Hierarchical Gaussian Mixture Representation Model. <i>Intelligent Automation and Soft Computing</i> , 2023, 35, 3727-3741. | 1.6 | 0 |
| 116 | Model based clustering of political finance regimes: Developing the regulation of political finance indicator. <i>Electoral Studies</i> , 2022, 79, 102524. | 1.0 | 2 |
| 117 | Parameter-wise co-clustering for high-dimensional data. <i>Computational Statistics</i> , 2023, 38, 1597-1619. | 0.8 | 2 |
| 118 | A survey on machine learning for recurring concept drifting data streams. <i>Expert Systems With Applications</i> , 2023, 213, 118934. | 4.4 | 17 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 119 | Automated Clustering of High-dimensional Data with a Feature Weighted Mean Shift Algorithm. Proceedings of the AAAI Conference on Artificial Intelligence, 2021, 35, 6930-6938. | 3.6 | 5 |
| 120 | Group-Wise Shrinkage Estimation in Penalized Model-Based Clustering. Journal of Classification, 2022, 39, 648-674. | 1.2 | 1 |
| 121 | Fast Component Density Clustering in Spatial Databases: A Novel Algorithm. Information (Switzerland), 2022, 13, 477. | 1.7 | 0 |
| 122 | Model-Based Clustering. Annual Review of Statistics and Its Application, 2023, 10, 573-595. | 4.1 | 11 |
| 123 | A dual subspace parsimonious mixture of matrix normal distributions. Advances in Data Analysis and Classification, 0, , . | 0.9 | 0 |
| 124 | Structure learning enhances concept formation in synthetic Active Inference agents. PLoS ONE, 2022, 17, e0277199. | 1.1 | 5 |
| 125 | Merging Components in Linear Gaussian Cluster-Weighted Models. Journal of Classification, 2023, 40, 25-51. | 1.2 | 1 |
| 126 | Bioactive Compounds in Plasma as a Function of Sex and Sweetener Resulting from a Maqui-Lemon Beverage Consumption Using Statistical and Machine Learning Techniques. International Journal of Molecular Sciences, 2023, 24, 2140. | 1.8 | 4 |
| 127 | Expectation propagation learning of finite and infinite Gamma mixture models and its applications. Multimedia Tools and Applications, 0, , . | 2.6 | 1 |
| 128 | Fuzzy model-based sparse clustering with multivariate t-mixtures. Applied Artificial Intelligence, 2023, 37, . | 2.0 | 2 |
| 129 | Model-Based Clustering and Classification Using Mixtures of Multivariate Skewed Power Exponential Distributions. Journal of Classification, 0, , . | 1.2 | 1 |
| 133 | Implementation of New Incremental Mass Clustering Algorithm to Handle Dynamic Dataset and Identify Core, Non-Core, Noisy Points. , 2023, , . | | 0 |
| 138 | Clustering IoT Data Using Machine Learning Methods: A Survey. Studies in Computational Intelligence, 2023, , 39-57. | 0.7 | 0 |
| 143 | A simple distributed fuzzy c-means clustering method via the technique of Map-Reduce. , 2023, , . | | 0 |