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## Books

6. **McLachlan, G.J.** and Krishnan, T. (2008). *The EM Algorithm and Extensions*. Second Edition. Hoboken, New Jersey: Wiley. xxvii + 359 pp.
5. **McLachlan, G.J.**, Do, K.-A., and Ambroise, C. (2004). *Analyzing Microarray Gene Expression Data*. Hoboken, New Jersey: Wiley. xx + 320 pp.
4. **McLachlan, G.J.** and Peel, D. (2000a). *Finite Mixture Models*. New York: Wiley. xxii + 419 pp.
3. **McLachlan, G.J.** and Krishnan, T. (1997). *The EM Algorithm and Extensions*. New York: Wiley. xvii + 274 pp.
2. **McLachlan, G.J.** (1992). *Discriminant Analysis and Statistical Pattern Recognition*. New York: Wiley. xv + 526 pp.
1. **McLachlan, G.J.** and Basford, K.E. (1988). *Mixture Models: Inference and Applications to Clustering*. New York: Marcel Dekker. xi + 259 pp.

## 2. Edited Journal Issues and Conference Proceedings

4. Ingrassia, S., **McLachlan, G.J.**, and Goveart, G. (Eds.). (2015). Special Issue on *New Trends on Model-Based Clustering and Classification*. *Advances in Data Analysis and Classification* **9**, 367–502.
3. Böhning, D., Hennig, C., **McLachlan, G.J.**, and McNicholas, P.D. (Eds.). (2014). The 2nd Special Issue on *Advances in Mixture Models*. *Computational Statistics & Data Analysis* **71**, 1–1220.
2. Li, G.-Z., Hu, X., Kim, S., Resson, H., Hughes, M., Liu, B., **McLachlan, G.J.**, Lieberman, M., and Sun, H. (Eds.). (2013). *Proceedings of the 2013 IEEE International Conference on Bioinformatics and Biomedicine (BIBM 2013)*. Piscataway, New Jersey: IEEE Computer Society.
1. **McLachlan, G.J.** (1997). Special Issue on the *Impact of the EM Algorithm on Medical Statistics*. *Statistical Methods in Medical Research* **6**, 1–98.

## 3. Book Chapters

34. Lee, S.X. and **McLachlan, G.J.** (2021). On mean and/or variance mixtures of normal distributions. In *Studies in Classification, Data Analysis, and Knowledge Organization*, S. Balzano, G.C. Porzio, R. Salvatore, D. Vistocco, and M. Vichi (Eds.). Berlin: Springer. To appear. ePrint [arXiv:2005.06883](https://arxiv.org/abs/2005.06883).
33. Lee, S.X., **McLachlan, G.J.**, and Pyne, S. (2021). Automated gating and dimension reduction of high-dimensional cytometry data. In *Mathematical, Computational and Experimental T Cell Immunology*, C. Molina-Paris and G. Lythe (Eds.). Berlin: Springer, 281–294.

32. **McLachlan, G.J.** and Ahfock, D. (2021). Estimation of classification rules from partially classified data. In *Studies in Classification, Data Analysis, and Knowledge Organization*, T. Chadjipadelis, B. Lausen, A. Markos, T. Rim Lee, A. Montanari, and R. Nugent (Eds.). Berlin: Springer, pp. 149–157. ePrint **arXiv:2004.06237**.
31. **McLachlan, G.J.**, Baek, J., and Rathnayake, S.I. (2019). Mixtures of factor analyzers for the clustering and visualisation of high-dimensional data. In *Advances in Latent Class Analysis: A Festschrift in Honor of Professor C. Mitchell Dayton*, G.R. Hancock, J.R. Herring, G.B. Macready (Eds.). Charlotte, North Carolina: Information Age Publishing, pp. 79–98.
30. **McLachlan, G.J.**, Rathnayake, S.I., and Lee, S.X. (2019). Unsupervised data mining: statistical model-based clustering. In *Comprehensive Chemometrics: Chemical and Biochemical Data Analysis*, Vol. 2, S. Brown, R. Tauler, and R. Walczak (Eds.). Second Edition. Oxford: Elsevier, pp. 267–304.
29. Lee, S.X. and **McLachlan, G.J.** (2018). Risk measures based on multivariate skew normal and skew  $t$ -mixture models. In *Asymmetric Dependence in Finance: Diversification, Correlation and Portfolio Management in Market Downturns*, J. Alcock and S. Satchell (Eds.). Chichester: Wiley, pp. 152–168.
28. Lee, S.X., Ng, S.N., and **McLachlan, G.J.** (2017). Finite mixture models in biostatistics. In *Handbook of Statistics: Disease Modelling and Public Health, Part A*, Vol. 36, A.S.R. Rao, S. Pyne, and C.R. Rao (Eds.). Amsterdam: Elsevier, pp. 75–102.
27. **McLachlan, G.J.**, Bean, R., and Ng, S.K. (2017). Clustering. In *Bioinformatics*, Second Edition, Vol. 2: *Structure, Function, and Applications*. J.M. Keith (Ed.). Totowa, New Jersey: Humana Press, pp. 345–362.
26. Ng, S.K. and **McLachlan, G.J.** (2017). A unified approach to identify correlated differential features for supervised classification of high-dimensional data. In *Data Science, Studies in Classification, Data Analysis and Knowledge Organization*. Berlin: Springer-Verlag. F. Palumbo, A. Montanari, and M. Vichi (Eds.), pp. 43–56.
25. Nguyen, H.D., **McLachlan, G.J.**, and Hill, M.M. (2017). Statistical evaluation of labelled comparative-profiling proteomics experiments using permutation test. In *Methods in Molecular Biology: Proteome Bioinformatics*, S. Mathivanan and S. Keerthikumar (Eds.). New York: Humana Press, pp. 109–117.
24. Lee, S.X., **McLachlan, G.J.**, and Pyne, S. (2016). Application of mixture models to large datasets. In *Big Data Analytics*, B.L.S. Prakasa Rao, S.B. Rao, and S. Pyne (Eds.). New Delhi: Springer, pp. 57–74.
23. **McLachlan, G.J.** and Rathnayake, S.I. (2016). Mixture models for standard  $p$ -dimensional Euclidean data. In *Handbook of Cluster Analysis*, C. Hennig, M. Melia, F. Murtagh, and R. Rocci (Eds.). Boca Raton, Florida: Chapman and Hall/CRC, pp. 145–172.
22. **McLachlan, G.J.**, Flack, L., Ng, S.K., and Wang, K. (2013). Clustering of gene-expression data via normal mixture models. In *Statistical Methods for Microarray Data: Methods and Protocols*, A.Y. Yakovlev, L. Klebanov, and D. Gaile (Eds.). Totowa, New Jersey: Humana Press, pp. 103–119.

21. **McLachlan, G.J.** (2012). An enduring interest in classification - supervised and unsupervised. In *The Journeys of Great Data Mining Scientists: Celebrating 20 Years of Research*, M.M. Gaber (Ed.). Berlin: Springer-Verlag. pp. 147–172.
20. Ng, S.K., Krishnan, T., and **McLachlan, G.J.** (2012). The EM algorithm. Second Edition. In *Handbook of Computational Statistics: Concepts and Methods: Vol. 1*, J. Gentle, W. Hardle, and Y. Mori (Eds.). New York: Springer-Verlag, pp. 139–172.
19. **McLachlan, G.J.**, Baek, J., and Rathnayake, S.I. (2011). Mixtures of factor analyzers for the analysis of high-dimensional data. In *Mixture Estimation and Applications*, K.L. Mengersen, C.P. Robert, and D.M. Titterton (Eds.). Hoboken, New Jersey: Wiley, pp. 171–191.
18. **McLachlan, G.J.** and Baek, J. (2010). Clustering of high-dimensional data via finite mixture models. In *Advances in Data Analysis, Data Handling and Business Intelligence*, A. Fink, B. Lausen, W. Seidel, and A. Ultsch (Eds.). Berlin: Springer-Verlag, pp. 33–44.
17. **McLachlan, G.J.**, Ng, S.K., and Wang, K. (2010). Clustering of high-dimensional and correlated data. In *Studies in Classification, Data Analysis, and Knowledge Organization: Data Analysis and Classification*, C. Lauro, F. Palumbo, and M. Greenacre (Eds.). Berlin: Springer-Verlag, pp. 3–11.
16. **McLachlan, G.J.** and Wockner, L. (2010). Use of mixture models in multiple hypothesis testing with applications in bioinformatics. In *Studies in Classification, Data Analysis, and Knowledge Organization: Classification as a Tool for Research*, H. Locarek-Junge and C. Weihs (Eds.). Berlin: Springer, pp. 177–184.
15. Ng, S.K. and **McLachlan, G.J.** (2010). Expert networks with mixed continuous and categorical feature variables: a location modeling approach. In *Machine Learning Research Progress*, H. Peters and M. Vogel (Eds.). Hauppauge, New York: Nova, pp. 355–368.
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13. Le Cao, K.-A. and **McLachlan, G.J.** (2009). Statistical analysis of microarray data: selection of gene prognosis signature. In *Computational Biology: Issues and Applications in Oncology*, T. Pham (Ed.). New York: Springer-Verlag, pp. 55–76.
12. **McLachlan, G.J.** (2009). Unsupervised data mining: statistical model-based clustering. In *Comprehensive Chemometrics: Chemical and Biochemical Data Analysis Vol. 2*, S. Brown, R. Tauler, and R. Walczak (Eds.). Oxford: Elsevier, pp. 655–681.
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8. **McLachlan, G.J.**, Chevelu, J., and Zhu, J. (2008). Correcting for selection bias via cross-validation in the classification of microarray data. In *Beyond Parametrics in Interdisciplinary Research: A Festschrift to P.K. Sen*, N. Balakrishnan, E. Pena, and M.J. Silvapulle (Eds.). Hayward, California: IMS Lecture Notes-Monograph Series, pp. 383–395.
7. Ben-Tovim Jones, L., Ng, S.K., Ambroise, C., Monico, K., Khan, N., and **McLachlan, G.J.** (2005). Use of microarray data via model-based classification in the study and prediction of survival from lung cancer. In *Methods of Microarray Data Analysis IV*, J.S. Shoemaker and S.M. Lin (Eds.). New York: Springer, pp. 163–173.
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4. **McLachlan, G.J.** (1995). Mixtures—models and applications. In *the Exponential Distribution: Theory, Methods, and Applications*, N. Balakrishnan and A.P. Basu (Eds.). Basel: Gordon & Breach, pp. 307–315.
3. **McLachlan, G.J.** (1987). Error rate estimation in discriminant analysis: recent advances. In *Advances in Multivariate Statistical Analysis* (A.K. Gupta, ed.), pp.233–252, Dordrecht: Reidel.
2. **McLachlan, G.J.** (1986). Assessing the performance of an allocation rule. In *Statistical Methods of Discrimination and Classification: Advances in Theory and Applications*, S.C. Choi (Ed.). New York: Pergamon Press, pp. 261–272.
1. **McLachlan, G.J.** (1982). The classification and mixture maximum likelihood approaches to cluster analysis. In *Handbook of Statistics* Vol. 2, P.R. Krishnaiah and L. Kanal (Eds.). Amsterdam: North-Holland, pp. 199–208.

#### 4. Invited Encyclopaedic Contributions

8. Lee, S.X. and **McLachlan, G.J.** (2019). Scale Mixture Distribution. In Wiley Stats Ref: Statistics Reference Online (WSR), N. Balakrishnan, P Brandimarte, B. Everitt, G. Molenberghs, F. Ruggeri, and W. Piegorsch (Eds.). Chichester: Wiley, 1–16.
7. **McLachlan, G.J.** (2016). Mixture Distributions – Further Developments. In *Wiley Stats Ref: Statistics Reference Online (WSR)*, N. Balakrishnan, P. Brandimarte, B. Everitt, G. Molenberghs, F. Ruggeri, and W. Piegorsch (Eds.). Chichester: Wiley, 1–13.

6. **McLachlan, G.J.** (2015). Multivariate Analysis: Classification and Discriminant Analysis. In *International Encyclopedia of Social and Behavioral Sciences*, Second Edition, Vol. 16. J.D. Wright (Editor-in-Chief). Oxford: Elsevier Science. pp. 116–120.
5. **McLachlan, G.J.** (2015). Mixture Models in Statistics. In *International Encyclopedia of Social and Behavioral Sciences*, Second Edition, Vol. 16. J.D. Wright (Editor-in-Chief). Oxford: Elsevier Science. pp. 9910–9915.
4. **McLachlan, G.J.** (2015). Computation: Expectation–Maximization Algorithm. In *International Encyclopedia of Social and Behavioral Sciences*, Second Edition, Vol. 16. J.D. Wright (Editor-in-Chief). Oxford: Elsevier Science. pp. 469–474.
3. **McLachlan, G.J.** (2013). Discriminant analysis. In *The Encyclopedia of Environmetrics* (Second Edition). W. Piegorisch and A.-H. El-Shaarawi (Eds). Chichester, United Kingdom: Wiley, pp. 662–672.
2. **McLachlan, G.J.** (2006). Discriminant analysis. In *The Encyclopedia of Measurement and Statistics* Vol. 1, N.J. Salkind (Ed.). Thousand Oaks, California: Sage, pp. 267–270.
1. **McLachlan, G.J.** (2001). Multivariate analysis: Classification and discriminant analysis. In *International Encyclopedia of Social and Behavioral Sciences* Vol. 15, N.J. Smelser and P.B. Baltes (Eds.). Oxford: Elsevier Science, pp. 10214–10218.

## 5. Journal Papers (Refereed)

212. Ahfock, D. and **McLachlan, G.J.** (2022). Semi-supervised learning of classifiers from a statistical perspective: A brief review. *Econometrics and Statistics*. In the Special Issue for 20 Years Anniversary of ERCIM Working Group CMStatistics. To appear.
211. Lee, S.X. and **McLachlan, G.J.** (2022). An overview of skew distributions in model-based clustering. *Journal of Multivariate Analysis*. To appear in Jubilee Issue of the Journal.
210. Maleki, M., **McLachlan, G.J.**, and Lee, S.X. (2022). Robust clustering based on finite mixture of multivariate fragmental distributions. *Statistical Modelling*. To appear.
209. Ahfock, D. and **McLachlan, G.J.** (2021). Harmless label noise and informative soft-labels in supervised classification. *Computational Statistics and Data Analysis* **161**. To appear.
208. Ahfock, D., Pyne, S., and **McLachlan, G.J.** (2021). Data-fusion using factor analysis and low-rank matrix completion. *Statistics and Computing*. To appear.
207. Ahfock, D., Pyne, S., and **McLachlan, G.J.** (2021). Statistical file-matching of non-Gaussian data: a game theoretic approach. *Computational Statistics and Data Analysis*. To appear.
206. Lee, S.X., Lin, T.-I., and **McLachlan, G.J.** (2021). Mixtures of factor analyzers with scale mixtures of fundamental skew symmetric distributions. *Advances in Data Analysis and Classification*. To appear. ePrint [arXiv:1802.02467](https://arxiv.org/abs/1802.02467).
205. Lee, S.X. and **McLachlan, G.J.** (2021). On formulations of skew factor models: skew errors versus skew factors. *Statistics and Probability Letters* **168**. To appear. ePrint [arXiv:1810.04842v2](https://arxiv.org/abs/1810.04842v2).
204. Lee, S.X., **McLachlan, G.J.**, and Leemaqz, K.L. (2021). Multi-node EM algorithm for finite mixture models. *Statistical Analysis and Data Mining: The ASA Data Science Journal* **14**, 297–304.
203. Farzammehr, M.A., Zadkarami, M.R., and **McLachlan, G.J.** (2021). Skew-normal generalized spatial panel data model. *Communications in Statistics - Simulation and Computation* (Advance Access, published 30 May, 2019; doi/full/10.1080/03610918.2019.1622718). To appear.
202. Farzammehr, M.A., Mohammadzadeh, M, Zadkarami, M. R., and **McLachlan, G.J.** (2021). Bayesian analysis of generalized linear mixed models with spatial correlated and unrestricted skew normal errors. *Communications in Statistics - Theory and Methods*. To appear.
201. Koh, E.J.Y., Aminia, E., **McLachlan, G.J.**, and Beaton, N. (2021). Utilising a deep neural network as a surrogate model to approximate phenomenological models of a comminution circuit for faster simulations. *Minerals Engineering Journal* **170**, 107026 Article.

200. Nguyen, T.T., Nguyen, H.D., Chamroukhi, F., and McLachlan, G.J. (2021). An L1-oracle inequality for the Lasso in mixture-of-experts regression models. *Journal of Statistical Distributions and Applications*. To appear. ePrint **arXiv:2009.10622**.
199. Ahfock, D. and **McLachlan, G.J.** (2020). An apparent paradox: A classifier trained from a partially classified sample may have smaller expected error rate than that if the sample were completely classified. *Statistics and Computing* **30**, 1779–1790.
198. Farzammehr, M.A., Zadkarami, M.R., **McLachlan, G.J.**, and Lee, S.X. (2020). Skew-normal Bayesian spatial heterogeneity panel data models. *Journal of Applied Statistics* **47**, 804–826.
197. Maleki, M., **McLachlan, G.J.**, Gurewitsch, R., Aruru, M., and Pyne, S. (2020). A mixture of regressions model of COVID-19 death rates and population comorbidities. *Statistics and Applications* **18**, 295–306.
196. Nguyen, H.D., Forbes, F., and **McLachlan, G.J.** (2020). Mini-batch learning of exponential family finite mixture models. *Statistics and Computing* **30**, 731–748.
195. Nguyen, T.T., Nguyen, H.D., Chamroukhi, F., and **McLachlan, G.J.** (2020). Approximation by finite mixtures of continuous density functions that vanish at infinity. *Cogent Mathematics & Statistics* **7**, No. 1, 1750861.
194. Tawiah, R., **McLachlan, G.J.**, and Ng, S.K. (2020). A bivariate joint frailty model with mixture framework for survival analysis of recurrent events with dependent censoring and cure fraction. *Biometrics* **76**, 753–766.
193. Tawiah, R., **McLachlan, G.J.**, Ng, S.K. (2020). Mixture cure models with time-varying and multilevel frailties for recurrent event data. *Statistical Methods in Medical Research* **29**, 1368–1385.
192. Lee, S.X., Leemaqz, K., and **McLachlan, G.J.** (2019). PPEM: Privacy-Preserving EM learning for mixture models. *Concurrency and Computation: Practice and Experience* **31** (24):e5208.
191. McLachlan, G.J., Lee, S.X., and Rathnayake, S.I. (2019). Finite mixture models. *Annual Review of Statistics and Its Application* **6**, 355–378.
190. Ng, S.K., Tawiah, R., and **McLachlan, G.J.** (2019). Unsupervised mixture regression modelling for cluster analysis of mixed data with continuous and categorical features. *Pattern Recognition* **88**, 261–271.
189. Nguyen, H.D. and **McLachlan, G.J.** (2019). On approximations via convolution-defined mixture models. *Communications in Statistics - Theory and Methods* **48**, 3945–3955.
188. Nguyen, H.D., Yee, Y., **McLachlan, G.J.**, and Lerch, J.P. (2019). False discovery rate control under reduced-precision computation. *SORT*. **43**, 1–2. ePrint **arXiv:1805.04394**.
187. Tawiah, R., Yau, K.K.W., **McLachlan, G.J.**, Chambers, S., and Ng, S.K. (2019). Multi-level model with random effects for clustered survival data with multiple failure outcomes. *Statistics in Medicine* **38**, 1036–1055.



186. Viroli, C. and **McLachlan, G.J.** (2019). Deep Gaussian mixture models. *Statistics and Computing* **29**, 43–51.
185. Jones, A.T., Nguyen, H.D., and **McLachlan, G.J.** (2018). logKDE: log-transformed kernel density estimation. *Journal of Open Source Software* **3**(28), 870.
184. Lee, S.X., Leemaqz, K.L., and **McLachlan, G.J.** (2018). A block EM algorithm for multivariate skew normal and skew  $t$ -mixture models. *IEEE Transactions on Neural Networks and Learning Systems* **29**, 5581–5591.
183. Lee, S.X. and **McLachlan, G.J.** (2018). EMMIXcskew: an R Package for the fitting of a mixture of canonical fundamental skew  $t$ -distributions. *Journal of Statistical Software* **83**, Number 3.
182. Lin, T.-I., Wang, W.-L., **McLachlan, G.J.**, and Lee, S.X. (2018). Robust mixtures of factor analysis models using the restricted multivariate skew  $t$  distribution. *Statistical Modelling* **18**, 50–72.
181. Lloyd-Jones, L.R., Nguyen, H.D., and **McLachlan, G.J.** (2018). A globally convergent algorithm for a lasso-penalized mixture of linear regression models. *Computational Statistics and Data Analysis* **119**, 19–38.
180. Nguyen, H.D., Jones, A.T., and **McLachlan, G.J.** (2018). Stream-suitable optimization algorithms for some soft-margin support vector machine variants. *Japanese Journal of Statistics and Data Science* **1**, 81–108.
179. Nguyen, H.D. and **McLachlan, G.J.** (2018a). Some theoretical results regarding the polygonal distribution. *Communications in Statistics - Theory and Methods* **47**, 5083–5095.
178. Nguyen, H.D. and **McLachlan, G.J.** (2018b). Chunked and averaged estimators for vector parameters. *Statistics & Probability Letters* **137**, 336–342.
177. Nguyen, H.D., Ullmann, J.F.P., **McLachlan, G.J.**, Voleti, V., Li, W., Hillman, E.M.C., Reutens, D.C., and Janke, A.L. (2018). Whole-volume clustering of time series data from zebrafish brain calcium images via mixture model-based functional data analysis. *Statistical Data Analysis and Data Mining* **11**, 5–16.
176. Nguyen, H.D., Wang, D., and **McLachlan, G.J.**, (2018). Randomized mixture models for probability density approximation and estimation. *Information Sciences* **467**, 135–148.
175. Nguyen, H.D. and **McLachlan, G.J.** (2017). Progress on a conjecture regarding the triangular distribution. *Communications in Statistics - Theory and Methods* **46**, 11261–11271.
174. Nguyen, H.D., **McLachlan, G.J.**, Orban, P., Bellec, P., and Janke, A.L. (2017). Maximum pseudolikelihood estimation for a model-based clustering of time-series data. *Neural Computation* **29**, 990–1020.
173. Aghaeepour, N., Chattopadhyay, P.K., Chikina, M., Van Gassen, S., Kurs, M., Malek, M., **McLachlan, G.J.**, Qui, P., Saeys, Y., Stanton, R., Tong, D., Wang, K., Nolan,

- G., Finak, G., Gottardo, R., Mossman, T., Scheurmann R., and Brinkman, R. (2016). Benchmark for evaluation of algorithms for identification of cellular correlates of clinical outcomes. *Cytometry: Part A* **89A**, 16–21.
172. Ahfock, D., Pyne, S., Lee, S.X., and **McLachlan, G.J.** (2016). Partial identification in the statistical matching problem. *Computational Statistics & Data Analysis* **104**, 79–90.
171. Lee, S.X. and **McLachlan, G.J.** (2016). Finite mixtures of canonical fundamental skew  $t$ -distributions: the unification of the restricted and unrestricted skew  $t$ -mixture models. *Statistics and Computing* **26**, 573–589.
170. Lee, S.X., **McLachlan, G.J.**, and Pyne, S. (2016). Modelling of inter-sample variation in flow cytometric data with the joint clustering and matching (JCM) procedure. *Cytometry: Part A* **89A**, 30–43.
169. Lin, T.-I., **McLachlan, G.J.**, and Lee, S.X. (2016). Extending mixtures of factor models using the restricted multivariate skew-normal distribution. *Journal of Multivariate Analysis* **143**, 398–413.
168. Lloyd-Jones, L.R., Nguyen, H.D., **McLachlan, G.J.**, Sumpton, W., and Wang, Y.-G. (2016). Mixture of time dependent growth models with an application to blue swimmer crab length-frequency data. *Biometrics* **72**, 1255–1275.
167. **McLachlan, G.J.** and Lee, S.X. (2016). Comment on “On nomenclature for, and the relative merits of, two formulations of skew distributions,” by A. Azzalini, R. Browne, M. Genton, and P. McNicholas. *Statistics & Probability Letters* **116**, 1–5.
166. Nguyen, H.D., Lloyd-Jones, L., and **McLachlan, G.J.** (2016a). A universal approximation theorem for mixture of experts models. *Neural Computation* **28**, 2585–2593. (Access published 25 August, 2016;
165. Nguyen, H.D., Lloyd-Jones, L., and **McLachlan, G.J.** (2016b). A block minorization-maximization algorithm for heteroscedastic regression. *IEEE Signal Processing Letters* **23**, 1131–1135.
164. Nguyen, H.D. and **McLachlan, G.J.** (2016a). Laplace mixtures of linear experts. *Computational Statistics & Data Analysis* **93**, 177–191.
163. Nguyen, H.D. and **McLachlan, G.J.** (2016b). Maximum likelihood estimation of triangular and polygonal distributions. *Computational Statistics & Data Analysis* **102**, 23–36.
162. Nguyen, H.D. and **McLachlan, G.J.** (2016c). Linear mixed models with marginally symmetric nonparametric random effects. *Computational Statistics & Data Analysis* **103**, 151–169.
161. Nguyen, H.D., **McLachlan, G.J.**, Ullmann, J.F.P., and Janke, A.L. (2016a). Laplace mixture autoregressive models. *Statistics & Probability Letters* **110**, 18–24.
160. Nguyen, H.D., **McLachlan, G.J.**, Ullmann, J.F.P., and Janke, A.L. (2016b). Spatial clustering of time-series via mixtures of autoregressive models and Markov random fields. *Statistica Neerlandica* **70**, 414–439.

159. Nguyen, H.D., **McLachlan, G.J.**, and Wood, I.A. (2016). Mixtures of spatial spline regressions. *Computational Statistics & Data Analysis* **93**, 76–85.
158. Lin, T.-I., Wu, P.H., **McLachlan, G.J.**, and Lee, S.X. (2015). A robust factor analysis model using the restricted skew  $t$ -distribution *TEST* **24**, 510–531.
157. Ng, S.K., **McLachlan, G.J.**, Wang, K., Nagymanyoki, Z., Liu, S., and Ng, S.W. (2015). Inference on differential expression using cluster-specific contrasts of mixed effects. *Bio-statistics* **16**, 98–112.
156. Nguyen, H.D. and **McLachlan, G.J.** (2015). Maximum likelihood estimation of Gaussian mixture models without matrix operations. *Advances in Data Analysis and Classification* **9**, 371–394.
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