Bibliography

[AGR 90] AGRESTI A., *Categorical Data Analysis*, Wiley, New York, 1990.

[AGR 98] AGRAWAL R., GEHRKE J., GUNOPULOS D., *et al.*, "Automatic subspace clustering of high dimensional data for data mining applications", *Proceedings of the 1998 ACM SIGMOD International Conference on Management of Data (SIGMOD '98)*, New York, NY, ACM, pp. 94–105, 1998.

[AHM 07] AHMAD W., KHOKHAR A., "cHawk: an efficient biclustering algorithm based on bipartite graph crossing minimization", *International Conference on Very Large Data Bases*, Vienna, Austria, 2007.

[AIR 08] AIROLDI E.M., BLEI D.M., FIENBERG S.E., *et al.*, "Mixed membership stochastic blockmodels", *Journal of Machine Learning Research*, vol. 9, pp. 1823–1856, 2008.

[AIT 76] AITCHISON J., AITKEN C.G.G., "Multivariate binary discrimination by the kernel method", *Biometrika*, vol. 63, pp. 413–420, 1976.

[ALL 09] ALLMAN E., MATIAS C., RHODES J., "Identifiability of parameters in latent structure models with many observed variables", *The Annals of Statistics*, vol. 37, no. 6A, pp. 3099–3132, 2009.

[AMB 02] AMBROISE C., GOVAERT G., "A mixture model approach to datacube clustering (invited)", *26th Annual GFKL (Gesellschaft für Klassifikation)*, University of Mannheim, Germany, 22–24 July 2002.

[AND 73] ANDERBERG M.R., *Cluster Analysis for Applications*, Academic Press, New York, 1973.

[ARA 90] ARABIE P., HUBERT L.J., "The bond energy algorithm revisited", *IEEE Transactions on Systems, Man, and Cybernetics*, vol. 20, pp. 268–274, 1990.

[BAI 97] BAIER D., GAUL W., SCHADER M., "Two-mode overlapping clustering with applications to simultaneous benefit segmentation and market structuring", in KLAR R., OPITZ O. (eds.), *Classification and Knowledge Organization*, Springer, Heidelberg, 1997.

[BAL 67] BALL G.H., HALL D.J., "A clustering technique for summarizing multivariate data", *Behavioral Science*, vol. 12, no. 2, pp. 153–155, 1967.

[BAN 93] BANFIELD J.D., RAFTERY A.E., "Model-based Gaussian and non-Gaussian clustering", *Biometrics*, vol. 49, pp. 803–821, 1993.

[BAN 07] BANERJEE A., DHILLON I., GHOSH J., *et al.*, "A generalized maximum entropy approach to bregman co-clustering and matrix approximation", *Journal of Machine Learning Research*, vol. 8, pp. 1919–1986, 2007.

[BEN 73a] BENZECRI J.P., *L'analyse des données tome 1: la taxinomie*, Dunod, Paris, 1973.

[BEN 73b] BENZECRI J.P., *L'analyse des données tome 2: l'analyse des correspondances*, Dunod, Paris, 1973.

[BEN 03] BEN-DOR A., CHOR B., KARP R., *et al.*, "Discovering local structure in gene expression data: the order-preserving submatrix problem", *Journal of Computational Biology*, vol. 10, no. 3–4, pp. 373–384, 2003.

[BER 80] BERTIN J., "Traitements graphiques et mathématiques. différence fondamentale et complémentarité", *Mathématiques et sciences humaines*, vol. 72, pp. 60–71, 1980.

[BER 03] BERGMANN S., IHMELS J., BARKAI N., "Iterative signature algorithm for the analysis of large-scale gene expression data", *Physics Review E*, vol. 67, pp. 031902-1–031902-18, 2003.

[BEZ 81] BEZDEK J., *Pattern Recognition with Fuzzy Objective Function Algorithms*, Plenum Press, New York, 1981.

[BIE 00] BIERNACKI C., CELEUX G., GOVAERT G., "Assessing a mixture model for clustering with the integrated completed likelihood", *IEEE Transactions on Pattern Analysis and Machine Intelligence*, vol. 22, no. 7, pp. 719–725, 2000.

[BIE 03] BIERNACKI C., CELEUX G., GOVAERT G., "Choosing starting values for the EM algorithm for getting the highest likelihood in multivariate Gaussian mixture models", *Computational Statistics and Data Analysis*, vol. 41, pp. 561–575, 2003.

[BIE 10] BIERNACKI C., CELEUX G., GOVAERT G., "Exact and Monte Carlo calculations of integrated likelihoods for the latent class model", *Journal of Statistical Planning and Inference*, vol. 140, no. 11, pp. 2991–3002, 2010.

[BIS 98] BISHOP C.M., SVENSEN M., WILLIAMS C.K.I., "GTM: the generative topographic mapping", *Neural Computation*, vol. 10, no. 1, pp. 215–234, 1998.

[BIS 12] BISSON G., GRIMAL C., "Co-clustering of multi-view datasets: a parallelizable approach", *IEEE 12th International Conference on Data Mining*, pp. 828–833, 2012.

[BLE 03] BLEI D., NG A., JORDAN M., *et al.*, "Latent dirichlet allocation", *Journal of Machine Learning Research*, vol. 3, pp. 993–1022, 2003.

[BOC 79] BOCK H., "Simultaneous clustering of objects and variables", in TOMASSONE R. (ed.), *Analyse des Données et Informatique*, INRIA, Le Chesnay, France, pp. 187–203, 1979.

[BOC 86] BOCK H., "Loglinear models and entropy clustering methods for qualitative data", in GAULL W., SCHADER M. (eds.), *Classification as a Tool of Research*, North-Holland Publishing Company, Amsterdam, pp. 19–26, 1986.

[BOC 89] BOCK H., "Probabilistic aspects in cluster analysis", in OPITZ O. (ed.), *Conceptual and Numerical Analysis of Data*, Springer-Verlag, Berlin, pp. 12–44, 1989.

[BOC 07] BOCK H., "Clustering methods: a history of k-means algorithms", in BRITO P., CUCUMEL G., BERTRAND P., CARVALHO F. (eds.), *Selected Contributions in Data Analysis and Classification*, Springer-Verlag, Heidelberg, pp. 161–172, 2007.

[BOU 07] BOUVEYRON C., GIRARD S., SCHMID C., "High-dimensional data clustering", *Computational Statistics and Data Analysis*, vol. 52, no. 1, pp. 502–519, 2007.

[BRY 88] BRYANT P.G., "On characterizing optimization-based clustering criteria", *Journal of Classification*, vol. 5, pp. 81–84, 1988.

[BRY 05] BRYAN K., CUNNINGHAM P., BOLSHAKOVA N., *et al.*, "Biclustering of expression data using simulated annealing", *Proceedings of the 18th IEEE Symposium on Computer-Based Medical Systems*, pp. 383–388, 2005.

[CAI 76] CAILLIEZ F., PAGES J.P., *Introduction à l'analyse des données*, Smash, Paris, 1976.

[CAM 98] CAMIZ S., DENIMAL J., "A new method for cross-classification analysis of contingency data tables", in PAYNE R., GREEN P. (eds.), *COMPSTAT 98 - Proceedings in Computational Statistics*, Physica-Verlag, Heidelberg, pp. 209–214, 1998.

[CAR 84] CARAUX G., "Réorganisation et représentation visuelle d'une matrice de données numériques: un algorithme itératif", *Revue de Statistique Appliquée*, vol. 32, no. 4, pp. 5–23, 1984.

[CAR 00] CARREIRA-PERPIÑÁN M.Á., RENALS S., "Practical identifiability of finite mixtures of multivariate bernoulli distributions", *Neural Computation*, vol. 12, no. 1, pp. 141–152, 2000.

[CAR 06] CARMONA-SAEZ P., PASCUAL-MARQUI R.D., TIRADO F., *et al.*, "Biclustering of gene expression data by non-smooth non-negative matrix factorization", *BMC Bioinformatics*, vol. 7, no. 1, pp. 7–78, 2006.

[CEL 85] CELEUX G., DIEBOLT J., "Stochastic versions of the EM algorithm", *Computational Statistics Quarterly*, vol. 2, pp. 73–82, 1985.

[CEL 89] CELEUX G., DIDAY E., GOVAERT G., *et al.*, *Classification automatique des données: environnement statistique et informatique*, Dunod, Paris, 1989.

[CEL 91] CELEUX G., GOVAERT G., "Clustering criteria for discrete data and latent class models", *Journal of Classification*, vol. 8, no. 2, pp. 157–176, 1991.

[CEL 92] CELEUX G., GOVAERT G., "A classification EM algorithm for clustering and two stochastic versions", *Computational Statistics and Data Analysis*, vol. 14, no. 3, pp. 315–332, 1992.

[CEL 93] CELEUX G., GOVAERT G., "Comparison of the mixture and the classification maximum likelihood in cluster analysis", *Journal of Statistical Computation and Simulation*, vol. 47, pp. 127–146, 1993.

[CEL 95] CELEUX G., GOVAERT G., "Gaussian parsimonious clustering models", *Pattern Recognition*, vol. 28, no. 5, pp. 781–793, 1995.

[CEL 12] CELISSE A., DAUDIN J.J., PIERRE L., "Consistency of maximum-likelihood and variational estimators in the stochastic block model", *Electronic Journal of Statistics*, vol. 6, pp. 1847–1899, 2012.

[CHA 09] CHARRAD M., LECHEVALLIER Y., BEN A.M., *et al.*, "Block clustering for web pages categorization", *Intelligent Data Engineering and Automated Learning (IDEAL 09)*, Lecture Notes in Computer Science, vol. 5788, Burgos, Spain, pp. 260–267, September 2009.

[CHE 00] CHENG Y., CHURCH G., "Biclustering of expression data", *8th International Conference on Intelligent Systems for Molecular Biology (ISMB '00)*, San Diego, CA, pp. 93–103, 19–23 August 2000.

[CHO 04] CHO H., DHILLON I., GUAN Y., *et al.*, "Minimum sum-squared residue co-clustering of gene expression data", *Proceedings of the 4th SIAM International Conference on Data Mining*, pp. 114–125, April 2004.

[CHO 08] CHO H., DHILLON I.S., "Coclustering of human cancer microarrays using minimum sum-squared residue coclustering", *IEEE/ACM Transactions on Computational Biology and Bioinformatics*, vol. 5, no. 3, pp. 385–400, 2008.

[CIA 05] CIAMPI A., GONZALEZ M.A., CASTEJON L.M., "Correspondence analysis and two-way clustering", *Statistics and Operations Research Transactions*, vol. 29, no. 1, pp. 27–42, 2005.

[COO 50] COOMBS C.H., "Psychological scaling without a unit of measurement", *Psychological Review*, vol. 57, no. 3, pp. 145–158, 1950.

[COR 90] CORSTEN L., DENIS J.B., "Structuring interaction in two-way tables by clustering", *Biometrics*, vol. 46, no. 1, pp. 207–215, 1990.

[DAL 50] DALENIUS T., "The problem of optimum stratification", *Skandinavisk Aktuarietidskrift*, vol. 33, pp. 203–213, 1950.

[DAL 51] DALENIUS T., GURENEY M., "The problem of optimum stratification. II", *Skandinavisk Aktuarietidskrift*, vol. 34, pp. 133–148, 1951.

[DEM 77] DEMPSTER A.P., LAIRD N.M., RUBIN D.B., "Maximum likelihood from incomplete data via the EM algorithm", *Journal of the Royal Statistical Society. Series B (Methodological)*, vol. 39, no. 1, pp. 1–38, 1977.

[DEO 07] DEODHAR M., GHOSH J., "Simultaneous co-clustering and modeling of market data", *Data Mining for Marketing Workshop (ICDM'07)*, 2007.

[DER 96] DERISI J., PENLAND L., BROWN P.O., *et al.*, "Use of a cDNA microarray to analyse gene expression patterns in human cancer", *Nature Genetics*, vol. 14, no. 4, pp. 457–460, 1996.

[DHI 01] DHILLON I.S., "Co-clustering documents and words using bipartite spectral graph partitioning", *Proceedings of the 7th ACM SIGKDD International Conference on Knowledge Discovery and Data Mining (KDD '01)*, New York, NY, ACM, pp. 269–274, 2001.

[DHI 03] DHILLON I., MALLELA S., MODHA D., "Information-theoretic co-clustering", *Proceedings of the 9th ACM SIGKDD International Conference on Knowledge Discovery and Data Mining (KDD'03)*, pp. 89–98, 2003.

[DID 71] DIDAY E., "Une nouvelle méthode de classification automatique et reconnaissance des formes: la méthode des nuées dynamiques", *Revue de statistique appliquée*, vol. 19, no. 2, pp. 19–34, 1971.

[DID 74] DIDAY E., GOVAERT G., "Classification avec distances adaptatives", *Comptes Rendus de l'Académie des sciences Paris, série A*, vol. 278, pp. 993–995, 1974.

[DID 76] DIDAY E., SIMON J.C., "Clustering analysis", in FU K.S. (ed.), *Digital Pattern Recognition*, Springer-Verlag, Berlin, pp. 47–94, 1976.

[DID 77] DIDAY E., GOVAERT G., "Classification automatique avec distances adaptatives", *RAIRO Informatique/Computer Science*, vol. 11, no. 4, pp. 329–349, 1977.

[DID 79] DIDAY E., *Optimisation et classification automatique*, INRIA, Rocquencourt, France, 1979.

[DIJ 09] DIJK A.V., ROSMALEN J.V., PAAP R., A Bayesian approach to two-mode clustering, Econometric Institute Report no. EI 2009-06, Econometric Institute, Erasmus University, Rotterdam, 2009.

[DIN 06] DING C., LI T., PENG W., *et al.*, "Orthogonal nonnegative matrix t-factorizations for clustering", *Proceedings of the 12th ACM SIGKDD International Conference on Knowledge Discovery and Data Mining*, ACM, pp. 126–135, 2006.

[DUB 70] DUBIN R., CHAMPOUX J., Typology of empirical attributes: dissimilarity linkage analysis (DLA), Technical Report no. 3, University of California, 1970.

[DUF 91] DUFFY D.E., QUIROZ A.J., "A permutation-based algorithm for block clustering", *Journal of Classification*, vol. 8, pp. 65–91, 1991.

[ECK 93] ECKES T., ORLIK P., "An error variance approach to two-mode hierarchical clustering", *Journal of Classification*, vol. 10, no. 1, pp. 51–74, 1993.

[ERT 10] ERTEN C., SÖZDINLER M., "Improving performances of suboptimal greedy iterative biclustering heuristics via localization", *Bioinformatics*, vol. 26, no. 20, pp. 2594–2600, 2010.

[EVE 93] EVERITT B.S., *Cluster Analysis*, 3rd ed., Arnold, London, 1993.

[FIL 08] FILIPPONE M., CAMASTRA F., MASULLI F., *et al.*, "A survey of kernel and spectral methods for clustering", *Pattern Recognition*, vol. 41, no. 1, pp. 176–190, 2008.

[FIS 69] FISHER W., *Clustering and Aggregation in Economics*, Johns Hopkins Press, 1969.

[FOR 65] FORGY E.W., "Cluster analysis of multivariate data: efficiency versus interpretability of classification", *Biometrics*, vol. 21, no. 3, pp. 768–769, 1965.

[FRI 67] FRIEDMAN H.P., RUBIN J., "On some invariant criteria for grouping data", *Journal of American Statistical Association*, vol. 62, pp. 1159–1178, 1967.

[FRÜ 06] FRÜHWIRTH-SCHNATTER S., *Finite Mixture and Markov Switching Models*, Springer-Verlag, 2006.

[FRÜ 11] FRÜHWIRTH-SCHNATTER S., "Label switching under model uncertainty", *Mixtures: Estimation and Applications*, Wiley, pp. 193–218, 2011.

[GAR 86] GARCIA H., PROTH J.M., "A new cross-decomposition algorithm: the GPM comparison with the bond energy method", *Control and Cybernetics*, vol. 15, pp. 155–165, 1986.

[GEO 05] GEORGE T., "A scalable collaborative filtering framework based on co-clustering", *5th IEEE International Conference on Data Mining*, pp. 625–628, 2005.

[GIL 92] GILBERT J., MOLER C., SCHREIBER R., "Sparse matrices in MATLAB: design and implementation", *SIAM Journal on Matrix Analysis and Applications*, vol. 13, pp. 333–356, 1992.

[GOL 92] GOLDBERG D., NICHOLS D., OKI B., TERRY D., "Using collaborative filtering to weave an information tapestry", *Communications of the ACM*, vol. 35, no. 12, pp. 61–70, 1992.

[GOO 65] GOOD I., "Categorization of classification", *Mathematics and Computer Science in Medicine and Biology*, pp. 115–128, 1965.

[GOO 74] GOODMAN L.A., "Exploratory latent structure models using both identifiable and unidentifiable models", *Biometrika*, vol. 61, pp. 215–231, 1974.

[GOO 85] GOODMAN L., "The analysis of cross-classified data having ordered and/or unordered categories: association models, correlation models, and asymmetry models for contingency tables with or without missing entries", *The Annals of Statistics*, vol. 13, no. 1, pp. 10–69, 1985.

[GOR 02] GORDON G., JENSEN R.V., HSIAO L., *et al.*, "Translation of microarray data into clinically relevant cancer diagnostic tests using gene expression ratios in lung cancer and mesothelioma", *Cancer Research*, vol. 62, pp. 4963–4967, 2002.

[GOV 77] GOVAERT G., "Algorithme de classification d'un tableau de contingence", *1st International Symposium on Data Analysis and Informatics*, Versailles, INRIA, pp. 487–500, 1977.

[GOV 83] GOVAERT G., Classification croisée, Thesis, University of Paris 6, France, 1983.

[GOV 89] GOVAERT G., "Clustering model and metric with continuous data", in DIDAY E. (ed.), *Data Analysis, Learning Symbolic and Numeric Knowledge*, Nova Science Publishers, New York, pp. 95–102, 1989.

[GOV 90a] GOVAERT G., "Classification binaire et modèles", *Revue de Statistique Appliquée*, vol. XXXVIII, no. 1, pp. 67–81, 1990.

[GOV 90b] GOVAERT G., Modèle de classification et distance dans le cas discret, Report, UTC, Compiègne, France, 1990.

[GOV 95] GOVAERT G., "Simultaneous clustering of rows and columns", *Control and Cybernetics*, vol. 24, no. 4, pp. 437–458, 1995.

[GOV 96] GOVAERT G., NADIF N., "Comparison of the mixture and the classification maximum likelihood in cluster analysis when data are binary", *Computational Statistics and Data Analysis*, vol. 23, pp. 65–81, 1996.

[GOV 02] GOVAERT G., NADIF M., "Block Clustering on continuous data", *Workshop on clustering High Dimensional Data and Its Application, 2nd SIAM International Conference on Data Mining*, Arlington, pp. 7–16, 11–13 April 2002.

[GOV 03] GOVAERT G., NADIF M., "Clustering with block mixture models", *Pattern Recognition*, vol. 36, pp. 463–473, 2003.

[GOV 05] GOVAERT G., NADIF M., "An EM algorithm for the block mixture model", *IEEE Transactions on Pattern Analysis and Machine Intelligence*, vol. 27, no. 4, pp. 643–647, 2005.

[GOV 06] GOVAERT G., NADIF M., "Fuzzy clustering to estimate the parameters of block mixture models", *Soft Computing*, vol. 10, no. 5, pp. 415–422, 2006.

[GOV 07] GOVAERT G., NADIF M., "Clustering of contingency table and mixture model", *European Journal of Operational Research*, vol. 183, pp. 1055–1066, 2007.

[GOV 08] GOVAERT G., NADIF M., "Block clustering with Bernoulli mixture models: comparison of different approaches", *Computational Statistics and Data Analysis*, vol. 52, no. 6, pp. 3233–3245, 2008.

[GOV 10] GOVAERT G., NADIF M., "Latent block model for contingency table", *Communications in Statistics - Theory and Methods*, vol. 39, no. 3, pp. 416–425, 2010.

[GOW 74] GOWER J.C., "Maximal predictive classification", *Biometrics*, vol. 30, pp. 643–654, 1974.

[GRE 88a] GREENACRE M., "Clustering the rows and columns of a contingency table", *Journal of Classification*, vol. 5, pp. 39–51, 1988.

[GRE 88b] GREENACRE M., "Correspondence analysis of multivariate categorical data by weighted least-squares", *Biometrika*, vol. 75, no. 3, p. 457, 1988.

[GRE 07] GREENACRE M., *Correspondence Analysis in Practice*, Chapman & Hall/CRC, 2007.

[GUP 10] GUPTA N., AGGARWAL S., "MIB: using mutual information for biclustering gene expression data", *Pattern Recognition*, vol. 43, no. 8, pp. 2692–2697, 2010.

[GYL 94] GYLLENBERG M., KOSKI T., REILINK E., *et al.*, "Nonuniqueness in probabilistic numerical identification of bacteria", *Journal of Applied Probabilities*, vol. 31, no. 0, pp. 542–548, 1994.

[HAN 00] HANSOHM J., "Two-mode clustering with genetic algorithms", *24th Annual Conference of the Gesellschaft für Klassifikation*, pp. 87–93, 2000.

[HAN 11] HANCZAR B., NADIF M., "Using the bagging approach for biclustering of gene expression data", *Neurocomputing*, vol. 74, no. 10, pp. 1595–1605, 2011.

[HAN 12a] HAN J., KAMBER M., PEI J., *Data Mining: Concepts and Techniques, 3rd ed.*, Morgan Kaufmann, 2012.

[HAN 12b] HANCZAR B., NADIF M., "Ensemble methods for biclustering tasks", *Pattern Recognition*, vol. 45, no. 11, pp. 3938–3949, 2012.

[HAR 76] HARMAN H.H., *Modern Factor Analysis*, University of Chicago Press, Chicago, 1976.

[HAR 83] HARRIS R.R., KANJI G.K., "On the use of minimum chi-square estimation", *The Statistician*, *Journal of the Royal Statistical Society. Series D (The Statistician)*, vol. 32, no. 4, pp. 379–394, 1983.

[HAR 72] HARTIGAN J.A., "Direct clustering of a data matrix", *Journal of the American Statistical Association*, vol. 67, no. 337, pp. 123–129, 1972.

[HAR 75a] HARTIGAN J.A., *Clustering Algorithms*, Wiley, New York, 1975.

[HAR 75b] HARTIGAN J.A., "Printer Graphics for Clustering", *Journal of Statistical Computation and Simulation*, vol. 4, no. 3, pp. 187–213, 1975.

[HAR 00] HARTIGAN J.A., "Bloc voting in the united states senate", *Journal of Classification*, vol. 17, no. 1, pp. 29–49, 2000.

[HAT 86] HATHAWAY R.J., "Another interpretation of the EM algorithm for mixture distributions", *Statistics & Probability Letters*, vol. 4, pp. 53–56, 1986.

[HOF 75] HOFFER J.A., SEVERANCE D.G., "The use of cluster analysis in physical data base design", *Proceedings of the 1st International Conference on Very Large Data Bases (VLDB)*, ACM, New York,pp. 69–86, 1975.

[HOF 99a] HOFMANN T., PUZICHA J., JORDAN M., "Unsupervised learning from dyadic data", *Advances in Neural Information Processing Systems*, vol. 11, 1999.

[HOF 99b] HOFMANN T., PUZICHA J., "Latent class models for collaborative filtering", *Proceedings of the 16th International Joint Conference on Artificial Intelligence (IJCAI '99)*, Morgan Kaufmann Publishers Inc., San Francisco, CA, pp. 688–693, 1999.

[HUA 97] HUANG Z., "Clustering large data sets with mixed numeric and categorical values", *First Pacific-Asia Conference on Knowledge Discovery and Data Mining*, pp. 21–34, 1997.

[HUA 98] HUANG Z., "Extensions to the k-Means algorithm for clustering large data sets with categorical values", *Data Mining and Knowledge Discovery*, vol. 2, no. 3, pp. 283–304, 1998.

[IHM 02] IHMELS J., FRIEDLANDER G., BERGMANN S., *et al.*, "Revealing modular organization in the yeast transcriptional network", *Nature Genetics*, vol. 31, pp. 370–377, 2002.

[IHM 04a] IHMELS J., BERGMANN S., BARKAI N., "Defining transcription modules using large-scale gene expression data", *Bioinformatics*, vol. 20, no. 13, pp. 1993–2003, 2004.

[IHM 04b] IHMELS J., BERGMANN S., "Challenges and prospects in the analysis of large-scale gene expression data", *Briefings in Bioinformatics*, vol. 5, no. 4, pp. 313–327, 2004.

[JAG 07] JAGALUR M., PAL C., LEARNED-MILLER E., *et al.*, "Analyzing in situ gene expression in the mouse brain with image registration, feature extraction and block clustering", *BMC Bioinformatics*, vol. 8, (Suppl 10), p. S5, 2007.

[JAM 76] JAMBU M., "Sur l'interprétation mutuelle d'une classification hiérarchique et d'une analyse des correspondances", *Revue de Statistique Appliquée*, vol. 24, no. 2, pp. 45–73, 1976.

[JAN 66] JANCEY R.C., "Multidimensional group analysis", *Australian Journal of Botany*, vol. 14, no. 1, pp. 127–130, 1966.

[JIT 01] JITIAN X., YANCHUN Z., XIAOHUA J., "Clustering non-uniform-sized spatial objects to reduce I/O cost for spatial-join processing", *The Computer Journal*, vol. 44, no. 5, pp. 384–397, 2001.

[JOL 02] JOLLOIS F.X., NADIF M., "Clustering large categorical data", *Pacific-Asia Conference on Advances in Knowledge Discovery and Data Mining*, *PAKDD*, pp. 257–263, 2002.

[JOL 03] JOLLOIS F.X., Contribution de la classification automatique à la fouille de donneés, PhD Thesis, University of Metz, France, 2003.

[JOL 04] JOLLOIS F.X., NADIF M., "Identification of homogeneous blocks in large binary data sets", *Neural Networks and Computational Intelligence*, pp. 60–65, 2004.

[JON 72] JONES K., "A statistical interpretation of term specificity and its application in retrieval", *Journal of Documentation*, vol. 28, pp. 11–21, 1972.

[KAU 87] KAUFMAN L., ROUSSEEUW P., "Clustering by means of medoids", in DODGE Y. (ed.), *Statistical Data Analysis Based on the L1-Norm and Related Methods*, North-Holland Publishing Company, pp. 405–416, 1987.

[KAU 90] KAUFMAN L., ROUSSEEUW P., *Finding Groups in Data: An Introduction to Cluster Analysis*, Wiley, New York, 1990.

[KEM 06] KEMP C., TENENBAUM J., GRIFFITHS T., *et al.*, "Learning systems of concepts with an infinite relational model", *Proceedings of the National Conference on Artificial Intelligence*, 2006.

[KER 13] KERIBIN C., BRAULT V., CELEUX G., *et al.*, Estimation and selection for the latent block model on categorical data, Research Report no. RR-8264, INRIA, March 2013.

[KLE 08] KLEINBERG J., SANDLER M., "Using mixture models for collaborative filtering", *Journal of Computer and System Sciences*, vol. 74, no. 1, pp. 49–69, 2008.

[KOH 82] KOHONEN T., "Self organized formation of topological correct feature maps", *Biological Cybernetics*, vol. 43, pp. 59–69, 1982.

[LAB 11a] LABIOD L., NADIF M., "Co-clustering under nonnegative matrix tri-factorization", *ICONIP (2)*, ICONIP'11, pp. 709–717, 2011.

[LAB 11b] LABIOD L., NADIF M., "Co-clustering for binary and categorical data with maximum modularity", *2011 IEEE 11th International Conference on Data Mining (ICDM)*, IEEE, pp. 1140–1145, 2011.

[LAS 09] LASHKARI D., GOLLAND P., Co-clustering with generative models, Report, MIT, 2009.

[LAZ 68] LAZARFIELD P.F., HENRY N.W., *Latent Structure Analysis*, Houghton Mifflin Company, Boston, 1968.

[LAZ 00] LAZZERONI L., OWEN A., Plaid models for gene expression data, Report, Stanford University, 2000.

[LEB 84] LEBART L., MORINEAU A., WARWICK K., *Multivariate Descriptive Statistical Analysis*, Wiley, New York, 1984.

[LER 77] LERMAN I.C., LEREDDE H., "La méthodes des pôles d'attraction", *1st International Symposium on Data Analysis and Informatics*, Versailles, North Holland, 1977.

[LER 80] LEREDDE H., PERIN P., "Les plaques-boucles mérovingiennes", *Les dossiers de l'Archéologie*, vol. 42, pp. 83–87, 1980.

[LER 81] LERMAN I.C., *Classification automatique et analyse ordinale des données*, Dunod, Paris, 1981.

[LI 05] LI T., "A general model for clustering binary data", *Proceedings of the 11th ACM SIGKDD International Conference on Knowledge Discovery in Data Mining*, ACM, pp. 188–197, 2005.

[LI 06] LI J., ZHA H., "Two-way Poisson mixture models for simultaneous document classification and word clustering", *Computational Statistics & Data Analysis*, vol. 50, no. 1, pp. 163–180, 2006.

[LIN 80] LINDE Y., BUZO A., GRAY R., "An algorithm for vector quantizer design", *IEEE Transactions on Communications*, vol. 28, no. 1, pp. 84–95, 1980.

[LIU 03] LIU J., WANG W., "OP-Cluster: clustering by tendency in high dimensional space", *3rd IEEE International Conference on Data Mining*, pp. 187–194, 2003.

[LLO 57] LLOYD S.P., Least squares quantization in PCM's, Report, Bell Telephone Laboratories Paper, Murray Hill, 1957.

[LON 05] LONG B., ZHANG Z., YU P., "Co-clustering by block value decomposition", *Proceedings of the 11th ACM SIGKDD International Conference on Knowledge Discovery in Data Mining*, New York, NY, ACM, pp. 635–640, 2005.

[MAC 67] MACQUEEN J.B., "Some methods for classification and analysis of cluster analysis", in LECAM L.M., NEYMAN J. (eds.), *Proceedings of 5th Berkeley Symposium on Mathematics, Statistics and Probability*, vol. 1, University of California Press, pp. 281–297, 1967.

[MAD 04] MADEIRA S.C., OLIVEIRA A.L., "Biclustering algorithms for biological data analysis: a survey", *IEEE/ACM Transactions on Computational Biology and Bioinformatics*, vol. 1, no. 1, pp. 24–45, 2004.

[MAR 72] MAROY J.P., PENEAU J.P., Analyse des données et conception en architecture, Technical Report, no. 13, IRIA, Le Chesnay, 1972.

[MAR 75] MARRIOTT F.H.C., "Separating mixtures of normal distributions", *Biometrics*, vol. 31, pp. 767–769, 1975.

[MAR 87] MARCOTORCHINO F., "Block seriation problems: a unified approach", *Applied Stochastic Models and Data Analysis*, vol. 3, pp. 73–91, 1987.

[MAR 91a] MARCOTORCHINO F., "Seriation problems: an overview", *Applied Stochastic Models and Data Analysis*, vol. 7, no. 2, pp. 139–151, 1991.

[MAR 91b] MARTINETZ T., SCHULTEN K., "A "neural-gas" network learns topologies", in KOHONEN T., MAKISARA K., SIMULA O., KANGAS J. (eds.), *Artificial Neural Networks*, North-Holland, Publishing Company, Amsterdam, pp. 397–402, 1991.

[MCC 72] MCCORMICK W., SCHWEITZER P., WHITE T., "Problem decomposition and data reorganization by a clustering technique", *Operations Research,*, vol. 20, no. 5, pp. 993–1009, 1972.

[MCL 82] MCLACHLAN G.J., "The classification and mixture maximum likelihood approaches to cluster analysis", in KRISHNAIAH P.R., KANAL L.N. (eds.), *Handbook of Statistics*, vol. 2, North-Holland Publishing Company, pp. 199–208, 1982.

[MCL 88] MCLACHLAN G.J., BASFORD K.E., *Mixture Models, Inference and Applications to Clustering*, Marcel Dekker, New York, 1988.

[MCL 97] MCLACHLAN G.J., KRISHNAN K., *The EM Algorithm*, Wiley, New York, 1997.

[MCL 00] MCLACHLAN G.J., PEEL D., *Finite Mixture Models*, Wiley, New York, 2000.

[MCL 07] MCLACHLAN G.J., KRISHNAN T., *The EM Algorithm and Extensions*, vol. 382, Wiley-Interscience, 2007.

[MEE 07] MEEDS E., ROWEIS S., Nonparametric Bayesian biclustering, Technical Report no. UTML-TR-2007-001, University of Toronto, June 2007.

[MIT 06] MITRA S., BANKA H., "Multi-objective evolutionary biclustering of gene expression data", *Pattern Recognition*, vol. 39, 2006.

[NAD 93] NADIF M., MARCHETTI F., "Classification de données qualitatives et modèles", *Revue de statistique appliquée*, vol. 41, no. 1, pp. 55–69, 1993.

[NAD 10] NADIF M., GOVAERT G., "Model-based co-clustering for continuous data", *International Conference on Machine Learning and Applications*, ICMLA, pp. 175–180, 2010.

[NAV 84] NAVATHE S., CERI S., WIEDERHOLD G., *et al.*, "Vertical partitioning algorithms for database design", *ACM Transactions on Database Systems*, vol. 9, no. 4, pp. 680–710, 1984.

[NEA 98] NEAL R.M., HINTON G.E., "A view of the EM algorithm that justifies incremental, sparse, and other variants", in JORDAN M.I. (ed.), *Learning in Graphical Models*, Kluwer Academic Publishers, Dordrecht, pp. 355–358, 1998.

[NEY 49] NEYMAN J., "Contribution to the theory of x2 test", *Proceedings of the Berkeley Symposium on Mathematical Statistics and Probability*, Berkeley, University of California Press, pp. 239–73, 1949.

[NG 94] NG R., HAN J., "Efficient and effective clustering methods for spatial data mining", in BOCCA J.B., JARKE M., ZANIOLO C. (eds.), *Proceedings of 20th International Conference on Very Large Data Bases (VLDB'94)*, Santiago de Chile, Chile, Morgan Kaufmann, pp. 144–155, 12–15 September 1994.

[NIE 05] NIERMANN S., "Optimizing the ordering of tables with evolutionary computation", *Journal of the American Statistical Association*, vol. 59, no. 1, pp. 41–46, 2005.

[NOW 01] NOWICKI K., SNIJDERS T.A.B., "Estimation and prediction for stochastic blockstructures", *Journal of the American Statistical Association*, vol. 96, no. 455, pp. 1077–1087, 2001.

[OYA 01] OYANAGI S., KUBOTA K., NAKASE A., "Application of matrix clustering to web log analysis and access prediction", *WEBKDD 2001 Mining Web Log Data Across All Customers Touch Points, 3rd International Workshop*, pp. 13–21, 2001.

[PEA 00] PEARSON K., "On the criterion that a given system of deviations from the probable in the case of a correlated system of variables is such that it can be reasonably supposed to have arisen from random sampling", *The London, Edinburgh, and Dublin Philosophical Magazine and Journal of Science*, vol. 50, no. 302, pp. 157–175, 1900.

[PEN 05] PENSA R.G., ROBARDET C., BOULICAUT J.F., "A biclustering framework for categorical data", *Proceedings of the 9th European Conferences on Principles and Practice of Knowledge Discovery in Databases (PKDD)*, Lecture Notes in Computer Science, vol. 3721, Springer-Verlag, pp. 643–650, 2005.

[PEN 08] PENG W., LI T., SHAO B., "Clustering multi-way data via adaptive subspace iteration", *Proceeding of the 17th ACM Conference on Information and Knowledge Management (CIKM '08)*, New York, NY, ACM, pp. 1519–1520, 2008.

[POD 91] PODANI J., FEOLI E., "A general strategy for the simultaneous classification of variables and objects in ecological data tables", *Journal of Vegetation Science*, vol. 2, no. 4, pp. 435–444, 1991.

[POI 08] POIRIER D., BOTHOREL C., BOULLÉ M., "Analyse exploratoire d'opinions cinématographiques: co-clustering de corpus textuels communautaires", *Extraction et gestion des connaissances (EGC'08)*, pp. 565–576, 2008.

[POL 02] POLLARD K.S., VAN DER LAAN M., "Statistical inference for simultaneous clustering of gene expression data", *Mathematical Biosciences*, vol. 176, no. 1, pp. 99–121, 2002.

[PRE 06] PRELIC A., BLEULER S., ZIMMERMANN P., *et al.*, "A systematic comparison and evaluation of biclustering methods for gene expression data", *Bioinformatics*, vol. 22, no. 9, pp. 1122–1129, 2006.

[PRI 12] PRIAM R., NADIF M., GOVAERT G., "Nonlinear mapping by constrained co-clustering", *International Conference on Pattern Recognition Applications and Methods*, *ICPRAM (1)*, vol. 1, pp. 63–68, 2012.

[PRI 13] PRIAM R., NADIF M., GOVAERT G., "Gaussian topographic co-clustering model", *International Symposium on Intelligent Data Analysis*, *IDA*, pp. 345–356, 2013.

[PUO 08] PUOLAMÄKI K., HANHIJÄRVI S., GARRIGA G.C., "An approximation ratio for biclustering", *Information Processing Letters*, vol. 108, no. 2, pp. 45–49, 2008.

[ROC 08] ROCCI R., VICHI M., "Two-mode multi-partitioning", *Computational Statistics & Data Analysis*, vol. 52, no. 4, pp. 1984–2003, 2008.

[ROO 95] ROOTH M., "Two-dimensional clusters in grammatical relations", in S.U. (ed.), *Symposium on Representation and Acquisition of Lexical Knowledge: Polysemy, Ambiguity, and Generativity*, AAAI Spring Symposium Series, Stanford University, 1995.

[ROS 09] VAN ROSMALEN J., GROENEN P.J., *et al.*, "Optimization strategies for two-mode partitioning", *Journal of Classification*, vol. 26, no. 2, pp. 155–181, 2009.

[ROU 11] ROUSSEAU J., MERGENSEN K., "Asymptotic behaviour of the posterior distribution in overfitted models", *Journal of the Royal Statistical Society*, vol. 73, pp. 689–710, 2011.

[RUS 69] RUSPINI E.H., "A new approach to clustering", *Information and Control*, vol. 15, pp. 22–32, 1969.

[SAL 83] SALTON G., MCGILL M., *Introduction to Modern Information Retrieval*, McGraw-Hill, New York, 1983.

[SCH 76] SCHROEDER A., "Analyse d'un mélange de distributions de probabilité de même type", *Revue de Statistique Appliquée*, vol. 24, no. 1, pp. 39–62, 1976.

[SCH 77a] SCHROEDER A., "Étude de traces de références de programmes: analyse de processus à régimes", *1st International Symposium on Data Analysis and Informatics*, Rocquencourt, INRIA, 1977.

[SCH 77b] SCHROEDER A., A statistical approach to the study of program behavior via reference strings analysis, IRIA, Technical Report, June, 1977.

[SCH 78] SCHWARZ G., "Estimating the number of components in a finite mixture model", *The Annals of Statistics*, vol. 6, no. 2, pp. 461–464, 1978.

[SCH 02] SCHÖLKOPF B., SMOLA A.J., *Learning with Kernels: Support Vector Machines, Regularization, Optimization, and Beyond*, MIT Press, London, 2002.

[SCH 83] SCHROEDER A., Une étude quantitative statique de programmes Pascal, Report no. RT-0029, INRIA, Rocquencourt, France, 1983.

[SCO 71] SCOTT A.J., SYMONS M.J., "Clustering methods based on likelihood ratio criteria", *Biometrics*, vol. 27, pp. 387–397, 1971.

[SHA 06] SHAFIEI M.,, MILIOS E., "Model-based overlapping co-clustering", *Proceedings of the 4th Workshop on Text Mining, 6th SIAM International Conference on Data Mining*, Bethesda, Maryland, April 2006.

[SHA 08] SHAN H., BANERJEE A., "Bayesian co-clustering", *Proceedings of the 2008 Eighth IEEE International Conference on Data Mining (ICDM '08)*, Washington, DC, IEEE Computer Society, pp. 530–539, 2008.

[SIB 73] SIBSON R., "SLINK: an optimally efficient algorithm for the single-link cluster method", *The Computer Journal*, vol. 16, no. 1, pp. 30–45, 1973.

[SLO 00] SLONIM N., TISHBY N., Y Y.I., "Document clustering using word clusters via the information bottleneck method", *International ACM SIGIR conference on Research and development in information retrieval*, *ACM SIGIR 2000*, ACM, pp. 208–215, 2000.

[SOK 58] SOKAL R.R., MICHENER C.D., "A statistical method for evaluating systematic relationships", *The University of Kansas Science Bulletin*, vol. 38, pp. 1409–1438, 1958.

[SOR 48] SORENSEN T., "A method of establishing groups of equal amplitude in plant sociology based on similarity of species content and its applications to analyses of the vegetation on Danish commons", *Bioligiske Skrifter*, vol. 5, pp. 1–34, 1948.

[STE 56] STEINHAUSS H., "Sur la division des corps matériels en parties", *Bulletin de l'Académie Polonaise des Sciences*, Class III, vol. 4, no. 12, pp. 801–804, 1956.

[STO 51] STOUFFER S.A., TOBY J., "Role conflict and personality", *American Journal of Sociology*, vol. 56, pp. 395–506, 1951.

[SYM 81] SYMONS M.J., "Clustering criteria and multivariate normal mixture", *Biometrics*, vol. 37, pp. 35–43, March 1981.

[TAK 02] TAKAMURA H., MATSUMOTO Y., "Two-dimensional clustering for text categorization", *Proceedings of the 6th Conference on Natural Language Learning (COLING'02)*, Morristown, NJ, Association for Computational Linguistics, pp. 1–7, 2002.

[TAN 02] TANAY A., SHARAN R., SHAMIR R., "Discovering statistically significant biclusters in gene expression data", *Bioinformatics*, vol. 18 (Suppl 1), pp. 136–144, 2002.

[TAN 05] TANAY A., SHARAN R., SHAMIR R., "Biclustering algorithms: a survey", *Chapman & Hall/CRC Computer and Information*, vol. 9, pp. 1–20, 2005.

[TCH 06] TCHAGANG A.B., TEWFIK A.H., "DNA microarray data analysis: a novel biclustering algorithm approach", *EURASIP Journal on Applied Signal Processing*, vol. 2006, pp. 1–12, 2006.

[TIB 99] TIBSHIRANI R., HASTIE T., EISEN M., *et al.*, Clustering methods for the analysis of DNA microarray data, Report, Department of Statistics, Stanford University, 1999.

[TIS 99] TISHBY N., PEREIRA F.C., BIALEK W., "The information bottleneck method", *The 37th Annual Allerton Conference on Communication, Control, and Computing*, pp. 368–377, 1999.

[TIT 85] TITTERINGTON D.M., SMITH A.F.M., MAKOV U.E., *Statistical Analysis of Finite Mixture Distributions*, Wiley, New York, 1985.

[TOL 77] TOLEDANO J., BROUSSE J., "Une méthode de classification simultanée des lignes et des colonnes d'un tableau", *Premières Journées Internationales Analyse des Données et Informatique*, IRIA, pp. 105–107, 1977.

[TRY 70] TRYON R., BAILEY D., *Cluster Analysis*, McGraw-Hill, New York, 1970.

[TUC 64] Tucker L.R., "The extension of factor analysis to three-dimensional matrices", in Gulliksen H., Frederiksen N. (eds.), *Contributions to Mathematical Psychology*, Holt, Rinehart and Winston, New York, pp. 110–127, 1964.

[TUR 05] Turner H., Bailey T., Krzanowski W., "Improved biclustering of microarray data demonstrated through systematic performance tests", *Computational Statistics & data Analysis*, vol. 48, no. 2, pp. 235–254, 2005.

[UNG 98] Ungar L., Foster D., "Clustering methods for collaborative filtering", *AAAI Workshop on Recommendation Systems*, pp. 112–125, 1998.

[VAN 04] van Mechelen I., Bock H.H., de Boeck P., "Two-mode clustering methods: a structured overview", *Statistical Methods in Medical Research*, vol. 13, no. 5, pp. 363–394, 2004.

[VIC 01] Vichi M., "Double k-means clustering for simultaneous classification of objects and variables", *Advances in Classification and Data Analysis*, Springer, pp. 43–52, 2001.

[WIN 87] Windham M.P., "Parameter modification for clustering criteria", *Journal of Classification*, vol. 4, pp. 191–214, 1987.

[WON 82] Wong M.A., "A hybrid clustering method for identifying high-density clusters", *Journal of the American Statistical Association*, vol. 77, no. 380, pp. 841–847, 1982.

[XU 10] Xu G., Zong Y., Dolog P., *et al.*, "Co-clustering analysis of weblogs using bipartite spectral projection approach", *Proceedings of the 14th International Conference on Knowledge-Based and Intelligent Information and Engineering Systems: Part III*, KES'10, Berlin, Heidelberg, Springer-Verlag, pp. 398–407, 2010.

[YOO 10] Yoo J., Choi S., "Orthogonal nonnegative matrix tri-factorization for co-clustering: multiplicative updates on Stiefel manifolds", *Information Processing and Management*, vol. 46, no. 5, pp. 559–570, 2010.

[ZHA 10] Zhang Z., Li T., Ding C., *et al.*, "Binary matrix factorization for analyzing gene expression data", *Data Mining and Knowledge Discovery*, vol. 20, no. 1, pp. 28–52, 2010.