

10. Referências Bibliográficas

- AGGARWAL, C., HAN, J., WANG, J. & YU, P. (2003). *A framework for clustering evolving data streams*. Proceedings of the 29th International Conference on Very Large Data Bases. p. 81–92.
- AGRAWAL, R., GEHRKE, J., GUNOPULOS, D. & RAGHAVAN, P. (1998) *Automatic Subspace Clustering of High Dimensional Data for Data Mining Applications*. IBM Almaden Research Center.
- ALDEFENDER, M.S. & BLASHFIELD, R.K., (1984). *Cluster Analysis*. Sage Publications. California. p. 35-45.
- ALI, T., ASGHAR, S. & SAJID, N.A. (2010) *Critical Analysis of DBSCAN Variations*. IEEE, 978-1-4244-8003-6/10.
- ALLEN, M. R. & SMITH, L.A. (1996). *Monte Carlo SSA: Detecting Irregular Oscillations in the presence of coloured noise*. Jornal of Climate, 9, p. 3373-3404.
- ANKERST, M., BREUNIG, M. & M., KRIESEL, H.-P (1999), *OPTICS: Ordering Points to Identify the Clustering Structure*, In: Proceedings of the ACM SIGMOD Conference on Management of Data. p. 49-60, Philadelphia, USA.
- ARTHUR, D. & VASSILVITSKII, S. (2007). *K-means++: The advantages of careful seeding*. Proceedings of the eighteenth annual ACM-SIAM symposium on Discrete algorithms. p. 1027-1035.
- BABU, V.S & P. VISWANATH, P. (2008). *An Efficient and Fast Parzen-Window Density Based Clustering Method for Large Data Sets*. First International Conference on Emerging Trends in Engineering and Technology. p.531- 536.
- BACKER, E. (1978). *Cluster analysis by optimal decomposition of induced fuzzy-sets*. Delft University Press.
- BAILEY, K. D. (1975). *Cluster Analysis. Sociological Methodology*, vol. 6, p. 59-128, 1975.
- BAKITA, A.L. (2005) *Avaliação da Técnica de Autocorrelação Espectral na Estimação de Espaço Médio Intertrabecular em Sinais Ultra Sônicos de Osso Calcâneo*. Dissertação de Mestrado do Programa de Pós Graduação em engenharia Biomédica, COPPE-UFRJ, Rio de Janeiro.

BALL, G., & HALL, D. (1965). *ISODATA, a novel method of data analysis and pattern classification*. Tech. rept. NTIS AD 699616. Stanford Research Institute, Stanford, CA.

BANERJEE, A., BASU, S. & MERUGU, S. (2007) *Multi-way clustering on relation graphs*. In: *Proceedings of the 7th SIAM International Conference on Data Mining*.

BANERJEE, A., MERUGU, S., DHILLON, I. & GHOSH, J. (2004). *Clustering with Bregman divergences*. Journal of Machine Learning Research, 234–245.

BAPTISTA, M. H. M. F. (2008) *The Portuguese pharmaceutical market in the near future – a time series exploration approach* Dissertação de Mestrado em Estatística e Gestão de Informação, Universidade Nova de Lisboa, Portugal.

BARALDI, A. & ALPAYDIN, E. (2002) *Constructive feed forward ART clustering networks*. IEEE transactions on Neural networks, Vol. 13, No3, May 2002.

BASILEVSKY, A. & HUM, D. (1979). *Karhunen Loève analysis of historical time series with an application to plantation births in Jamaica*. Journal of the American Statistical Association, 74, 284–290.

BEKKERMAN, R., EL-YANIV, R. & MCCALLUM, A. (2005). *Multi-way distributional clustering via pairwise interactions*. Pages 41–48 of: *Proceedings of the 22nd International Conference on Machine learning (ICML)*. New York, NY, USA: ACM.

BELKIN, M. & P. NIYOGI, 2002. *Laplacian eigenmaps and spectral techniques for embedding and clustering*. Adv. Neural Inform. Process. Syst., 14: Pages 485-491.

BENEKI, C. & LEON, C. (2012) *Evaluation of Singular Spectrum Analysis Based Seasonal Adjustment Procedure*. Proceedings of The 3rd International Conference on Singular Spectrum Analysis&Its Applications (SSA2012). May 17-20, Beijing, China. P.18.

BENEKI, C., LEON, C. & HASSANI, H. (2011) *Extracting US Business Cycle Using Sequential Singular Spectrum Analysis*. ISF 2011 Proceedings. June. Prague. http://www.forecasters.org/isf/pdfs/ISF11_Proceedings.pdf

BEN-HUR, A. HORN, D., SIEGELMANN. H. & VAPNIK, V. (2001). *Support vector clustering*. J. Mach. Learn. Res., vol. 2. Pages 125–137.

BEZDEK, J. C. (1981). *Pattern Recognition with Fuzzy Objective Function Algorithms*. Plenum Press, New York.

- BIRANT, D & KUT, A. (2007) *ST-DBSCAN: An algorithm for clustering spatial temporal data*, Data and knowledge engineering, volume 60.
- BLEI, D. M., NG, A. Y & JORDAN, M. I. 2003. *Latent dirichlet allocation*. *Journal of machine learning research*, **3**, Pages 993–1022.
- BO ZHOU, D., WAI-LOK, C. & BEN, K. (1999). *A Fast Algorithm for Density-Based Clustering in Large Database*. PAKDD: 338-349.
- BORAH, B. & BHATTACHARYYA, D.K. (2004). *An improved sampling-based DBSCAN for large spatial databases*. Intelligent Sensing and Information Processing, 2004. Proceedings of International Conference on , Pages 92-96.
- BORAH, B. & BHATTACHARYYA, D.K. (2008) *DDSC: A Density Differentiated Spatial Clustering Technique*, Journal Of Computers, Vol. 3, N. 2.
- BOX, G. E. P. & JENKINS, G. M (1976). *Time Series Analysis Forecasting and Control*. Ed. San Francisco: Holden-Day.
- BOX, G.E.P., JENKINS, G.M. & REINSEL, G. (1994). *Time Series Analysis: Forecasting and Control*. Third Edition. Englewood Cliffs:Prentice Hall.
- BRADLEY, P. S., FAYYAD, U., & REINA, C. (1998). *Scaling clustering algorithms to large databases*. In: *Fourth International Conference on Knowledge Discovery and Data Mining*.
- BROOMHEAD, D. S. & KING, G. P. (1986). *Extracting Qualitative Dynamics from Experimental Data*. Physica D 20. Pages 112-121.
- CAMASTRA, F.; VERRI, A. *A novel kernel method for clustering*. IEEE Transactions on Pattern Analysis and Machine Intelligence, p. 801-804, 2005.
- CARLANTONIO, L. M. (2001) *Novas Metodologias para Clusterização de Dados*. Dissertação de Mestrado em Engenharia Civil, COPPE/UFRJ, 157 páginas.
- CARPENTER, G.A. & GROSSBERG, S. (1988). *The ART of adaptive pattern recognition by a self-organizing neural network*. Computer Special Issue on Artificial Neural Systems, **21**, 77-88. Reprinted in: V. Vemuri & F.U. Dowla, (Eds.) (1991) *Neural Networks Applications in Signal Processing, Image Understanding, and Optimization*, Los Alamitos, CA: IEEE Computer Society Press; Pankaj Mehra & Benjamin W. Wah (Eds.) (1992) *Artificial Neural Networks: Concepts and Theory*, Los Alamitos, CA: IEEE Computer Society Press; and J. Diederich (Ed.) (1990) *Concept Learning: Artificial Neural Networks*, Los Alamitos, CA: IEEE Computer Society Press.

CASSIANO, K. M. (2003) *Uma Análise da Dinâmica Inflacionária Brasileira*. Dissertação de Mestrado em Estatística da Universidade Federal de Pernambuco, 100 p.

CASSIANO, K. M., JUNIOR, L. A. T., SOUZA, R. M., MENEZES, M. L., PESSANHA, J. F. M., & SOUZA, R. C. (2013) *Hydroelectric energy forecast*. *International Journal of Energy and Statistics*, 1 (3), 2013, pp. 205 – 214.

CASSISI, C., FERRO, A., GIUGNO, R., PIGOLA, G. & PULVIRENTI, A. (2013). *Enhancing density-based clustering: Parameter reduction and outlier detection*. *Information Systems*, 2013, Vol.38(3). Pages 317-330.

CAVALCANTI JÚNIOR, N. L. (2006). *Clusterização baseada em Algoritmos Fuzzy*. Dissertação de Mestrado em Ciência da Computação do Centro de Informática da Universidade Federal de Pernambuco.

CELEBI, M.E., ASLANDOGAN, Y.A. BERGSTRESSER, P. R. (2005) *Mining biomedical images with density-based clustering*, in: International Conference on Information Technology: Coding and Computing, Proceedings IEEE, p. 163–168.

CHEESEMAN, P. & STUTZ, J. (1996). *Bayesian classification (Auto- Class): Theory and results*. In U. Fayyad, G. Piatetsky-Shapiro, P. Smyth & R. Uthurusamy (eds), *Advances in Knowledge Discovery and Data Mining*, pp. 153–180, Menlo Park, CA, USA. AAAI Press.

CHEUNG, Y. M. (2003) *k*-Means: A new generalized k-means clustering algorithm*. *Pattern Recognition Letters* 24, 2883–2893.

CHIANG, J. H. & HAO, P. Y. (2003) *A fuzzy model of support vector regression*, IEEE Int. Conf. On Fuzzy Systems, vol. 1, pp. 738-742.

CHIEN, Y.C., HWANG, S.C.& OYANG, Y.J. (2002) *An Incremental Hierarchical Data Clustering Algorithm Based on Gravity Theory*. PAKDD, 237-250.

CHINRUNGRUENG, C. & SÉQUIM, C. (1995) *Optimal Adaptive k-means algorithm with dynamic adjustment of learning rate*. *IEEE Transactions Neural Network* 6, 1, 157, 169.

COLE, R. M., (1998), *Clustering with Genetic Algorithms*, M. Sc., Department of Computer Science, University of Western Australia, Australia.

CRISTIANINI, N. & SHawe-Taylor, D. J. (2000) *An Introduction to Support Vector Machines*. Cambridge: Cambridge Univ. Press.

DANILOV, D. & ZHIGLJAVSKY, A. (1997). *Principal Components of Time Series, the Caterpillar Method*. University of St. Petersburg. Press St. Petersburg, Russian.

DASZYKOWSKI, M., WALCZAK, B., MASSART, D.L. *Looking for natural patterns in data: part 1. Density-based approach.* Chemometrics and Intelligent Laboratory Systems 56 (2001) 83–92.

DIDAY, E. (1972) *Optimization en classification automatique et reconnaissance des formes.*

DIDAY, E. (1973) *The dynamic clusters method and sequentialization in non hierarchical clustering.* 1973.

DRIVER, H. E. & KROEGER, A. L.(1932) **Quantitative Expressions of Cultural Relationships.** Berkeley: University of California Press.

DUNN, J. C. (1973). *A Fuzzy Relative of the ISODATA Process and Its Use in Detecting Compact Well-Separated Clusters.* Journal of Cybernetics 3. Pages 32-57.

EDLA, D.R. & JANA, P.K. (2012) *A Prototype-Based Modified DBSCAN for Gene Clustering.* Procedia Technology, Volume 6, 2012, Pages 485–492.

ELSNER, J. B. & TSONIS, A. A. (1996). *Singular Spectral Analysis. A New Tool in Time Series Analysis.* Plenum Press.

ERTÖZ, L., STEINBACH,M. & KUMAR, V. (2003). *Finding Clusters of Different Sizes, Shapes, and Densities in Noisy, High Dimension Data.* Publications of Department of Computer Science of University of Minnesota.

ESQUIVEL, R.M. (2012). *Análise Espectral Singular: Modelagem de séries Temporais através de estudos comparativos usando diferentes estratégias de previsão.* Dissertação de Mestrado em Modelagem Computacional e Tecnologia Industrial do SENAI-CIMATEC. Salvador-BA.

ESTER M., KRIEGEL H.-P. & XU X. (1995) *Knowledge Discovery in Large Spatial Databases: Focusing Techniques for Efficient Class Identification*, Proc. 4th Int. Symp.on Large Spatial Databases, 1995, in: Lecture Notes in Computer Science, Vol. 951, Springer, 1995. Pages 67-82.

ESTER, M., KRIEGEL, H. P., SANDER, J. & XU, X. (1996) *Density-Based Algorithm for Discovering Clusters in Large Spatial Databases with Noise.* KDD-96 Proceedings. Pages 226-231.

ESTER, M., KRIEGEL, H.P, SANDER, J, WIMMER, M. & XU, X. (1997) *Density-Connected Sets and their Application for Trend Detection in Spacial Databases.* KDD-97 Proceedings.

ESTER, M., KRIEGEL, H.P, SANDER, J, WIMMER, M. & XU, X. (1998) *Incremental Clustering for Mining in Data Warehousing Environment.* Proceedings of the 24th VLDB Conference, New York, USA.

FERREIRA, F.S., CAMPOS, G.A.L. & SILVA, J.S. (2010) *Clustering com algoritmo genético baseado em densidade e grade.* Anais da XLII SBPO, Bento Gonçalves, RS.

FISHER, D. H. (1987). *Knowledge acquisition via incremental conceptual clustering.* Machine Learning; p. 139–172.

FISHER, D., GENNARI, J. & LANGLEY, P (1989). **Models of incremental concept formation**, Artificial Intelligence, vol. 40, pp. 11-61, 1989.

FORGY, E. W. (1965) *Cluster analysis of multivariate data: efficiency vs interpretability of classifications.* Biometrics 21, Pages 768–769

GHL, M. & TARICCO, C. (1997). *Advanced Spectral Analysis Methods.* In: Past and Present Variability of the Solar Territorial System: Measurement Data Analysis and Theoretical Model, 137-159.

GHOSH, A.; HALDER, A, KOTHARI, M & GHOSH, S. (2008) *Aggregation pheromone density based data clustering*, Information Sciences 178, 2816–2831.

GLOVER, F. (1989). *Tabu search, part I.* ORSA J. Comput., vol. 1, no. 3, pp. 190–206.

GOLYANDINA, N. & STEPANOV. D. (2005) *SSA-based approaches to analysis and forecast of multidimensional time series.* Proceedings of the Fifth Workshop on Simulation. Department of Mathematics, St. Petersburg State University, Russia. pp. 293-298.

GOLYANDINA, N. & VLASSIEVA, E. (2009). *First-order SSA-errors for long time series: model examples of simple noisy signals.* In *Proceedings of 6th St. Petersburg Workshop on Simulation.* Vol. 1, June 28 – July 4, St. Petersburg. St. Petersburg State University, 314-319.

GOLYANDINA, N. (2010) *On the choice of parameters in Singular Spectrum Analysis and related subspace-based methods.* Statistics and Its Interface, Vol. 3, Pages 259-279.

GOLYANDINA, N., & USEVICH, K. D. (2005) *2d-Extension of Singular Spectrum Analysis: Algorithm and Elements of Theory.* In: Matrix Methods: Theory, Algorithms, Applications World Scientific, 449–473.

GOLYANDINA, N., NEKRUTKIN, V. & ZHIHGLJAVSKY, A. (2001). **Analysis of time series structure: SSA and related techniques.** Chapman & Hall/CRC. New York, USA.

GOLYANDINA, N., OSIPOV, E. (2007). *Caterpillar, SSA method for analysis of time series with missing values.* Journal of Statistical Planning and Inference. Vol 137, 8, Pages 2642-2653.

GONG, J & CALDAS, C.H. *Data processing for real-time construction site spatialmodeling.* Automation in Construction 17 (2008) 526–535.

GUHA, K.S.S. & RASTOGI, R. (1998). *CURE: An efficient clustering algorithm for large databases.* In L. M. Haas and A. Tiwary, editors, *SIGMOD 1998, Proceedings ACM SIGMOD International Conference on Management of Data, Washington, USA.* Pages 73– 84. ACM Press.

GUHA, S., RASTOGI, R., & SHIM, K., (1999). *ROCK: A Robust Clustering Algorithm for Categorical Attributes,* In: *Proceedings of the 15th International Conference on Data Engineering.* Pages 512-521, Sydney, Australia.

GUHA, S., RASTOGI, R., & SHIM, K., (2000). *ROCK: A robust clustering Algorithm for categorical attributes.* Inf. Syst., vol. 25, no. 5. Pages 345–366.

GUJARATI, D. N. (2000). *Econometria Básica*, Makron Books.

HADDAD, M., HASSANI, H., TAIBI, H. & RAMI, A. (2012) **Mediterranean Sea Level Changes from Satellite Altimetry: Automatic Seasonal Adjustment and Trend Extraction.** *Proceedings of The 3rd International Conference on Singular Spectrum Analysis and Its Applications (SSA2012).* May 17-20,

HADDAD, M., KAHLOUCHE,S. & TAIBI, H. (2012) *Investigation of Global Mean Sea Level Variability from Satellite Altimetry.* *Proceedings of The 3rd International Conference on Singular Spectrum Analysis and Its Applications (SSA2012).* May 17-20, Beijing, China.P.16.

HADDAD, M., TAIBI, H. & HASSANI, H. (2013). *Sea level in the Mediterranean Sea: Seasonal adjustment and trend extraction within the framework of SSA.* *Earth Science Informatics*, 6 (2), pp. 99 – 111.

HALL, L. ÖZYURT, I. & BEZDEK, J. (1999). *Clustering with a geneticall optimized approach.* IEEE Trans. Evol. Comput., vol. 3, no. 2, pp. 103–112.

HAMILTON, J. (1994). *Time Series Analysis.* Princeton University Press.

HAN, J. & NG, R.T. (1994) *Efficient and Effective Clustering Methods for Spatial data Mining.* Proceedings of the 20th VLDB Conference Santiago, Chile. Pg. 144-155.

HAN, J., & KAMBER, M. (2001). *Cluster Analysis.* In: Morgan Publishers (eds.), *Data Mining: Concepts and Techniques*, 1 ed., chapter 8, NewYork, USA, Academic Press.

HANSEN, P. & MLADENOVIAE, N. (2001) *J-means: a new local search heuristic for minimum sum of squares clustering,* Pattern Recognition 34, 405–413.

- HARASHA, S. G., NAGESH & CHOUDHARY, A. (1999). *MAFIA: Efficient and Scalable Subspace Clustering for Very Large Data Sets*. Technical Report Number CPDC-TR-9906-019, Center for Parallel and Distributed Computing, Northwestern University, June 1999.
- HAR-PELED, S. & MAZUMDAR, S. (2004). *Coresets for k-means and k-median clustering and their applications*. Pages 291–300 of: In Proc. 36th Annu. ACM Symp. Theory Comput.
- HAR-PELED, S. & MAZUMDAR, S. (2004). *Coresets for k-means and k-median clustering and their applications*. Pages 291–300 of: In Proc. 36th Annu. ACM Symp. Theory Comput.
- HARTIGAN, J.A. (1972). *Direct clustering of a data matrix*. Journal of the American Statistical Association (American Statistical Association) **67** (337): 123–9
- HARTUV, E. & SHAMIR, R. (2000). *A clustering algorithm based on graph connectivity*. Inf. Process. Lett., vol. 76, pp. 175–181.
- HASSANI, H. (2007). *Singular Spectrum Analysis: Methodology and Comparison*. Jornal of Data Science 5, 239-257
- HASSANI, H. & MAHMOUDVAND, R. (2013). *Multivariate singular spectrum analysis: a general view and new vector forecasting approach*. International Journal of Energy and Statistics, 1 (1), pp. 55 – 83.
- HASSANI, H., HERAVI, S. & ZHIGLJAVSKY, A. (2009) *Forecasting European Industrial Production with Singular Spectrum Analysis*. International Journal of Forecasting. Vol 25, pp. 103 – 118.
- HASSANI, H., HERAVI, S. & ZHIGLJAVSKY, A. (2013b) *Forecasting UK Industrial Production with Multivariate Singular Spectrum Analysis*. Journal of Forecasting. Vol 32 (5), pp. 395 – 408.
- HASSANI, H., HERAVI, S., BROWN, G. & AYOUBKHANI, D. (2013a) *Forecasting before, during, and after recession with singular spectrum analysis*. Journal of Applied Statistics. Vol. 40 (10), pp. 2290 - 2302.
- HASSANI, H., MAHMOUDVAND, R., ZOKAEI, M. & GHODSI, M. (2012) *On the Separability Between Signal and Noise in Singular Spectrum Analysis*. Fluctuation and Noise Letters. Vol. 11 (2), pp. 1250014-1250025.
- HASSANI, H., SOOFI, S. & ZHIGLJAVSKY, A. (2013c). *Predicting Inflation Dynamics with Singular Spectrum Analysis*. Journal of the Royal Statistical Society. Vol. 176 (3), pp. 743 – 760.

HASSANI, H., THOMAKOS, D. (2010). *A Review on Singular Spectrum Analysis for Economic and Financial Time Series*. *Statistics and Its Interface*. 3, 377-397.

HE, J. & PAN, W. (2010). *A DENCLUE Neuro Fuzzy System Modeling*. IEEE, 978-1-4211-5848-

HINNEBURG, A. & GABRIEL, H. H. (2007). *DENCLUE 2.0: Fast Clustering based on Kernel Density Estimation*. Advances in Intelligent Data Analysis VII, Proceedings of 7th International Symposium on Intelligent Data Analysis, IDA 2007, Ljubljana, Slovenia,

HINNEBURG, A. & KEIM, D. A. (1998). *An Efficient Approach to Clustering in Large Multimedia Databases with Noise*. American Association for artificial Intelligence. In Proc. 4 th. Conf. Knowledge Discovery and Data Mining KDD-98, pg. 58-65.

HINNEBURG, A. & KEIM, D. A. (2003). *A General Approach to Clustering Large Multimedia Database with Noise*. Knowledge and Information Systems (KAIS), 5 (4) : 387-415.

HIPEL, K. W. & McLEOD, A. I. (1994) *Time Series Modelling of Water Resources and Environmental Systems*. Amsterdam, The Netherlands: Elsevier, 1994.

HOSKING, J. R. M. (1981) **Fractional Differencing**. *Biometrika*, v. 68, 1, p 165-176.

HRUSCHKA, E. R., & EBECKEN, N. F. F. (2001). *A Genetic algorithm for cluster analysis*, Submitted to: *IEEE Transactions on Evolutionary Computation*.

HUANG, Z. (1998). *Extensions to the k-means algorithm for clustering large data sets withcategorical values*. *Data Mining and Knowledge Discovery*, 2. p. 283–304

JAIN, A. K. 1988. *Algorithms for Clustering Data*. Prentice Hall.

JAIN, A.K. (2009) *Data clustering: 50 years beyond K-means*. Pattern Recognition Letters. (2009), doi:10.1016/j.patrec.2009.09.011

JAIN, A.K. M.N. MURTY, AND P.J. FLYNN, *Data Clustering: A reviewut. Surveys*, vol. 31, no. 3, pp. 264-323, 1999.

JARVIS R. A. & PATRICK, E. A. (1973) *Clustering using a similarity measure based on shared nearest neighbors*. *IEEE Transactions on Computers*, C-22(11).

JESUS, T.A. (2008). *Detecção de Determinismo e Modelagem Preditiva de Séries Temporais de Consumo de Energia Elétrica*. Dissertação de Mestrado do Programa de Pós Graduação em Engenharia elétrica da UFMG, Belo Horizonte, MG

JIA, K. X.; HE, M. CHENG, T.; LI, H.Y.; JUN, L.(2011) *Multi-sphere Support Vector Clustering Based on Statistical Histogram*. Volume 6, Number 9.

JUNIOR, L. A. T, MENEZES, M. L., CASSIANO, K. M., PESSANHA, J. F. M., & SOUZA, R. C. (2013) *Residential electricity consumption forecasting using a geometric combination approach*. *International Journal of Energy and Statistics*, 1 (2), pp. 113 - 125.

KARYPIS, E.G; HAN, H. & KUMAR, V. (1999) *Chameleon: A hierarchical clustering algorithm using dynamic modeling*. *IEEE Computer*, 32(8):68–75.

KASHIMA, H., TSUDA, K., & INOKUCHI, A. (2003). *Marginalized kernels between labeled graphs*. Proceedings of the Twentieth International Conference on Machine Learning, p. 321–328.

KAUFFMAN, L. & ROUSSEEUW, P.J. (2005). *Finding groups in data : An introduction to cluster analysis*. Wiley series in Probability and Statistics.

KAUFFMAN, L. & ROUSSEEUW, P.J. (1989) *Finding groups in Data: an Introduction to Cluster Analysis*, John Wiley & Sons.

KIRKPATRICK, S. GELATT, C & VECCHI, M. (1983). *Optimization by simulated Annealing*. Science, vol. 220, no. 4598, pp. 671–680.

KOHONEN, T. (1989). *Self-organization and associative memory*. 3rd edition. Springer-Verlag.

KOROBENNIKOV, A. (2010). *Computational and space-efficient Implementation of SSA*. *Statistics and Its Interface*, 3, 357-368.

KRISHNA, K. & MURTYG, M. (1999). *Genetic K-means algorithm*. IEEE. Trans. Syst., Man, Cybern. B, Cybern., vol. 29, no. 3, pp. 433–439.

KRISHNAPURAM, R. & KELLER, J. M. (1993) *A possibilistic approach to Clustering*. IEE Trasn Fuzzy Systems.

KUBRUSLY, C. S. (2001). *Elements of Operator Theory*. Birkhäuser, Boston.

LI, C., GARCIA-MOLINA, H., WIEDER-HOLD, G. (2002) *Clindex: Approximate similarity queries in high-dimensional spaces*. IEEE Transactions on Knowledge and Data Engineering - TKDE.

LI, W. & MCCALLUM, A. (2006). Pachinko Allocation: DAG-Structured Mixture Models of Topic Correlations. Proceedings of the 23rd International Conference on Machine Learning.

- LI, W. & WANG, X. (2010). *Spatial Clustering Algorithm Based on Hierarchical-Partition Tree*. International Journal of Digital Content Technology and its Applications Volume 4, Number 6.
- LIKAS, A., N. VLASSIS & J.J. VERBEEK (2003). *The global k-means clustering algorithm*. Pattern Recognit., 36: 451-461.
- LINDE, Y., BUZO, A., & GRAY, R. (1980). *An algorithm for vector quantizer design*. IEEE Transactions on Communications, 28, 84–94.
- LIU, B. (2006). *A Fast Density-Based Clustering Algorithm for Large Databases*. Machine Learning and Cybernetics, 2006 International Conference on, vol., no., pp.996-1000, 13-16.
- LIU, J., WANG, W., & YANG, J. (2004). *A framework for ontologydriven subspace clustering*. In: *Proceedings of the KDD*.
- LIU, J., XIONG, L.; LUO, J. & HUANG, J.Z. (2007) *Privacy Preserving Distributed DBSCAN Clustering*.
www.mathcs.emory.edu/predict/pub/privacy13tdp.pdf
- LIU, P., ZHOU, D. & WU, N. (2007). *VDBSCAN: Varied Density Based Spatial Clustering of Applications with Noise*. Service Systems and Service Management, International Conference.
- LJUNG, G. M. & BOX, G. E. P. (1978). *On a measure of lack of fit in time series models*. Biometrika 65 (2): 297–303.
- LLOYD, S. (1982). *Least squares quantization in PCM*. IEEE Transactions on Information Theory, 28, Pages 129–137. (Originally as an unpublished Bell laboratories Technical Note 1957).
- LOÈVE, M. (1978). **Probability Theory II**. 4th Edition. Springer Verlag, New York.
- MACHADO, C. B. (2005). *Caracterização da Periodicidade de Fígado Humano sadio e Patológico Usando Sinais de Ultra Som*. Dissertação de Mestrado do Programa de Pós Graduação em Engenharia Biomédica, UFRJ, Rio de Janeiro, 144p.
- MACHADO, C.B. & PEREIRA, W.C.A. (2006) *Characterization of in vitro healthy and pathological human liver tissue periodicity using backscattered ultrasound signals*. Ultrasound in Medicine & Biology, 32, 5, 649-657.
- MACIEL, C.D. (2000) *Análise do Espectro Singular Aplicado à Sinais Ultrasônicos*. Tese de doutorado do Programa de Pós Graduação em Engenharia Biomédica, UFRJ, rio de Janeiro, 150 p.

- MACQUEEN, J. (1967) *Some methods for classification and analysis of multivariate observations*. Pages 281–297 of: Fifth Berkeley Symposium on Mathematics, Statistics and Probability. University of California Press.
- MACQUEEN, J. (1967) *Some methods for classification and analysis of multivariate observations*. Pages 281–297 of: Fifth Berkeley Symposium on Mathematics, Statistics and Probability. University of California Press.
- MAHMOUDVAND, R. & ZOKAEI, M. (2011) *A Filter Based Correlation Coefficient by Using Singular Spectrum Analysis*. ISF 2011 Proceedings. June. Prague. Page 150.
- MAHMOUDVAND, R. & ZOKAEI, M. (2012) *Mortality Forecasting with Singular Spectrum Analysis*. Proceedings of The 3rd International Conference on Singular Spectrum Analysis and Its Applications (SSA 2012). May 17-20, Beijing, China. p.15.
- MAHMOUDVAND, R. ALEHOSSEINI, F. & ZOKAEI, M. (2013) *Feasibility of Singular Spectrum Analysis in the Field of Forecasting Mortality Rate*. Journal of Data Science 11, 851-866
- MAHRAN, S. MAHAR, K. (2009) *Using grid for accelerating density-based clustering*. Computer and Information Technology CIT '09. Ninth IEEE International Conference, Sydney.
- MAO, J., & JAIN, A.K. (1996). *A self-organizing network for hyperellipsoidal Clustering (hec)*. IEEE Transactions on Neural Networks, 7(Jan), 16–29.
- MATEO, F., CARRASCO, J.J. SELLAMI, A., MILLÁN-GIRALDO, M., DOMÍNGUEZ, M. & SORIA-OLIVAS, E. (2013) *Machine learning methods to forecast temperature in buildings*. Expert Systems With Applications, 2013, Vol.40(4). Pages 1061-106.
- MCLACHLAN, G. & KRISHNAN, T. (1997). *The EM algorithm and extensions*. New York, U.S.A., Wiley Sons.
- MENEZES, M.L. (2014). *Abordagem PAR(p) e Singular Spectrum Analysis na Modelagem e Geração de Cenários*. Tese de Doutorado em Engenharia Elétrica, PUC-Rio, Rio de Janeiro.
- MENEZES, R., DIONÍSIO, A. & HASSANI, H. (2012). *On the globalization of stock markets: An application of Vector Error Correction Model, Mutual Information and Singular Spectrum Analysis to the G7 countries*. Quarterly Review of Economics and Finance. Vol. 52 (4), pp. 369 – 384.

MENEZES, R., DIONIZIO, A., HASSANI, H. (2011). *On the Globalization of Stoks Markets: An application of VECM, SSA and Mutual Informationn to the G7 Singular Spectrum Analysis.* 31º International Symposium on Forecasting. Prague.

METE, M., KOCKARA, S. & AYDIN, K. *Fast density-based lesion detection in dermoscopy images*, Computerized Medical Imaging and Graphics 35 (2011) 128–136.

MIMAROGLU, S. & AKSEHIRLI, E. (2011) *Improving DBSCAN's execution time by using a pruning technique on bit vectors*. Pattern Recognition Letters, 2011, Vol.32(13), pp.1572-1580

MIRANIAN, A., ABDOLLAHZADE, M., & HASSANI, H. (2013) *Day-ahead electricity price analysis and forecasting by singular spectrum analysis.* IET Generation, Transmission & Distribution, 7 (4), 2013, pp. 337 – 346.

MOHAMMAD, Y. F. O. (2012) *SSA Application to Motif Discovery & Causality Analysis in Robotics*. Proceedings of The 3rd International Conference on Singular Spectrum Analysis and Its Applications (SSA2012). May 17-20, Beijing, China. Page .20.

MORETTIN, P. A. (1997). *Wavelets in Statistics*. Instituto de Matemática e Estatística, Universidade de São Paulo. São Paulo.

MORETTIN, P.A., TOLOI, L.M.C. (2006). *Análise de Séries Temporais*, 2ª Ed. ABE. Projeto Fisher. Editora: Edgard Blucher.

MOSHTAGHI, M., RAJASEGARAR, S., LECKIE, C., KARUNASEKERA, S. (2011) *An efficient hyperellipsoidal clustering algorithm for resource-constrained environments*. Pattern Recognition, 2011, Vol.44(9). Pages 2197-2209.

MOTA, F. O. M. & GOMIDE, F. A. C. (2005). *Aplicação de modelos de estimação de fitness em algoritmos genéticos*. Dissertação de Mestrado da Faculdade de Engenharia Elétrica e de Computação da UNICAMP- Campinas, São Paulo.

MOZER, C. JORDAN, M. I., GHAHRAMANI, Z., & SAUL, L. K. (1997). *Hidden Markov decision trees*. In M.M. I. Jordan, & T. Petsche (Eds.), Advances in Neural Information Processing Systems 9, MIT Press, Cambridge MA.

MUNTAZ, K & DURAISWAMY, K. (2010) *An Analysis on Density Based Clustering of Multi Dimensional Spatial Data*. Indian Journal of Computer Science and Engineering, Vol 1(1):8-12.

NAGPAL, P. B. & MANN, P.A. (2011). *Comparative Study of Density Based Clusterização Algorithms*. International Journal of Computer Applications, Vol 27, n.11, pg. 44-47.

NG, R.T. & HAN, J. (1994). *Efficient and Effective Clustering Methods for Spatial Data Mining. Proceedings of the 20th VLDB Conference, Santiago-Chile , page 144-155.*

OLIVEIRA, C. (2007). *EDACLUSTER: Um Algoritmo Evolucionário para Análise de G Arupamentos Baseados em Densidade e Grade*, Dissertação de Mestrado em Engenharia Elétrica, Universidade Federal do Pará.

OLIVEIRA, D.P.; GARRETT JR., J.H. & SOIBELMAN, L. (2011) *A density-based spatial clustering approach for defining local indicators of drinking water distribution pipe breakage*, Advanced Engineering Informatics 25 (2011) 380–389.

OLIVEIRA, T. B. S. (2008). *Clusterização de Dados Utilizando Técnicas de Redes Complexas e Computação Bioinspirada*. Dissertação de Mestrado em Ciências da Computação e Matemática Computacional do ICMC-USP- São Carlos, 112 páginas.

OSINDERO, S., WELLING, M., HINTON, G. E. (2006) *Topographic Product Models Applied to Natural Scene Statistics*, Neural Computation, 18 (2).

PARIMALA, M., LOPEZ, D. & SENTHILKUMAR, N.C. (2011). *A Survey on Density Based Clustering Algorithms for Mining Large Spatial Databases*. International Journal of Advanced Science and Technology, Vol. 31. 59-66.

PASCUCCI, V., HAGEN, HANS, XAVIER TRICOCHE, JULIEN TIERNY (2010). *Topological Methods in Data Analysis and Visualization: Theory, Algorithms, and Applications*. Springer.

PELLEG, D. & MOORE, A. (1999). *Accelerating exact k-means algorithms with geometric reasoning*. Proceedings of the Fifth International Conference on Knowledge Discovery in Databases , AAAI Press.

PELLEG, D. & MOORE, A. (2000). X-means: *Extending k-means with efficient estimation of the number of clusters*. Pages 727–734 To appear in *Pattern Recognition Letters*, 2009. of: *Proceedings of the Seventeenth International Conference on Machine Learning*. San Francisco: Morgan Kaufmann.

PEPELYSHEV, A. & ZHIGLJAVSKY, A. (2010). *Assessing the stability of longhorizon SSA forecasting*. Statistics and Its Interface 3, 321-327.

PEREIRA, W.C.A. & MACIEL, C.D. (2001) *Performance of ultrasound echo decomposition using Singular Spectrum Analysis*. Ultrasound in Medicine & Biology, 127, 9/ 1231-1238.

PEREIRA, W.C.A., ABDELWAHABA, A., BRIDAL, S. L., & LAUGER, P. (2002). *Singular Specrtum Analysis applied to 20MHz backscattered ultrasound signals from periodic and quasi periodics phantons*. Acoustical Imaging, 26, 239-246.

PEREIRA, W.C.A., BRIDAL, S. L., CORON, A. & LAUGER, P. (2004). *Singular Specrtum Analysis applied to 20MHz backscattered ultrasound signals from in*

vitro Human Cancellous Bone Specimens. Transactions on Ultrasonics Ferroelectrics and Frequency Control, 51, 302-312.

PESSANHA J. F. M., BARCELOS, G. F. B., FARIA, A. V. C., & FERREIRA, V. M. F. (2010) *Análise Estatística de Registros Anemométricos e Seleção de Turbinas Eólicas: Um Estudo de Caso.* Proceedings (Anais do XLII SBPO, Bento Gonçalves – RS).

PLANT, C., TEIPEL, S. J., OSWALD, A. BÖHM, C. MEINDL, T., MOURAO-MIRANDA, J. BOKDE, A. W., HAMPEL, H. & EWERS, M. (2010) *Automated detection of brain atrophy patterns based on MRI for the prediction of Alzheimer's disease,* NeuroImage 50 162–174.

RAM, M., ANAND, S. J., KUMAR, M. (2010). *A density Based Algorithm for Discovery Density Varied cluster in Large spatial Databases, International Journal of Computer Application Volume 3, No.6.*

ROBERTS, S. J., HOLMES, C. & DENISON, D. (2001). *Minimum-entropy data clustering using reversible jump markov chain Monte Carlo.* Pages 103–110 of: ICANN '01: Proceedings of the International Conference on Artificial Neural Networks. London, UK: Springer-Verlag.

RUIZ, C., SPILIOPOULOU, M., MENASALVAS, E. (2007). *C-DBSCAN: Density-Based Clustering with Constraints.* In: RSFDGrC'07: Proc. of the Int. Conf. on Rough Sets, Fuzzy Sets, Data Mining and Granular Computing held by JRS'07.

SAITO, A.T.K. (2003) *Avaliação da Detecção Automática do Espaçamento Médio de Espalhadores de sinais Ultrassônicos.* Tese de Doutorado em engenharia Biomédica UFRJ, Rio de Janeiro, 172 p.

SANG, Y. & YI, Z. (2008) *Motion Determination Using Non-uniform Sampling Based Density Clustering,* Proceedings of the 2008 Fifth International Conference on Fuzzy Systems and Knowledge Discovery-Volume 04, pp. 81-85

SCHAEFFER, S. E. *Graph clustering.* Computer Science Review, v. I, p. 27 – 64, 2007.

SCHIKUTA, E. (1996) *Grid-clustering: An efficient hierarchical clustering method for very large data sets,* in Pattern Recognition, Proceedings of the 13th International Conference on, vol. 2. IEEE,1996, pp. 101–105.

SCHÖLKOPF, B., SMOLA, A. & MULLER, K. (1998). *Nonlinear component analysis as a kernel eigenvalue problem.* Neural Computat., vol. 10, no. 5, pp. 1299–1319.

SEILER, M. J. (2004) **Performing financial studies: a methodological cookbook.** Prentice Hall.

SHEIKOLESAMI, G., CHATTERJEE, S. & ZHANG, A. (1998). *WaveCluster: A multiresolution clustering approach for very large spatial databases.* In Proc. 24th VLDB Conf., pp. 428–439.

SHI, J., & MALIK, J. (2000). *Normalized cuts and image segmentation.* *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **22**, 888–905.

SNEATH, P.H.A. (1957). *The application of computers to taxonomy.* *Journal of General Microbiology* **17** (1): 201–226.

SÖRENSEN T. (1948) *A method of establishing groups of equal amplitude in plant sociology based on similarity of species content /* Kongelige Danske Videnskabernes Selskab. Biol. krifter. Bd V. n.o 4.pg 1-34.

SOUZA, R. C. & CAMARGO, M. E. (2004) *Análise e Previsão de Séries Temporais: os modelos ARIMA.* 2ed. Rio de Janeiro. Gráfica e Editora Regional.

SOUZA, R. M. C. R.. (2003). *Métodos de cluster para intervalos usando algoritmos do tipo nuvens dinâmicas.* Tese de Doutorado, Centro de Informática-Universidade Federal de Pernambuco.

SPÄTH, H. (1985), *Cluster Dissection and Analysis*, Chichester, England: Ellis Horwood.

STEINBACH,M., KARYPIS, G., & KUMAR, V. 2000. *A comparison of document clustering techniques.* In: *Workshop on KDD.*

STEINHAUS, H. (1956). *Sur la division des corp materiels en parties.* Bulletin of Acad. Polon. Sci., **IV**(C1. III), 801–804.

TRAN, T. N., DRAB, K., DASZYKOWSKI, M. (2013). *Revised DBSCAN algorithm to cluster data with dense adjacent clusters.* Chemometrics and Intelligent Laboratory Systems, 2013, Vol.120. Pages 92-96.

TRAN, T. N., NGUYEN, T. T., WILLEMZ, T.A. VANKESSEL, G. (2012). *A density-based segmentation for 3D images, an application for X-ray micro-tomography .*analytica Chimica Acta, 2012, Vol.725, pp.14-21.

TRYON, R. (1939). *Cluster Analysis.* New York: McGraw-Hill.

TSUGAWA, S., OHSAKI, H., & IMASE, M (2012) *Lightweight and Distributed Connectivity-Based Clustering Derived from Schelling's Model.* IEICE Transactions on Communications 01/2012; E95.B(8): 2549-2557.

- TUNG, A., HOU, J. & HAN, J. (2001). **Spatial clustering in the presence of obstacles.** In Proceedings of the 17th ICDE, pp. 359–367, Heidelberg, German.
- VASCONCELOS, S. (2011). *Análise de Componentes Principais*. Site: <http://www.ic.uff.br/~aconci/PCA-ACP.pdf>.
- VISWANATH, P. & PINKESH, R. (2006). *l-dbscan : A fast hybrid density based clustering method*. In Proceedings of the 18th Intl. Conf. on Pattern Recognition (ICPR-06), volume 1, pages 912.915, Hong Kong, IEEE Computer Society.
- WANG, W. (2004). *A General Framework for Adaptive and Online. Detection of Web attacks*, Project AxIS, INRIA Sophia. Antipolis.
- WANG, W., YANG, J. & MUNTZ, R. (1997). *STING : A Statistical Information Grid Approach to Spatial Data Mining*. Disponível em <http://suraj.lums.edu.pk/~cs536a04/handouts/STING.pdf>
- WARD, J. H., JR. (1963). *Hierarchical Grouping to Optimize an Objective Function*, *Journal of the American Statistical Association*, 58, 236–244.
- WELLING, M., ROSEN-ZVI, M & HINTON, G. (2005). *Exponential family harmoniums with an application to information retrieval*. Page 1481–1488 of: *Advances in Neural Information Processing Systems 17*.
- XAVIER, A. E. (2010). *The hyperbolic smoothing clustering method*. Pattern Recognition, 43,3, 731-737.
- XU, X., ESTER, M., KRIEGEL, H.P., SANDER, J.A. (1998) *Nonparametric Clustering Algorithm for Knowledge Discovery in Large Spatial Databases'*, Proceedings. IEEE Int. Conf. on Data Engineering, IEEE Computer Society Press.
- XU, X., JAJER, J., KRIEGEL, H.P., SANDER, J.A. (1999) *A Fast Parallel Clustering Algorithm for Large Spatial Databases*. Data Mining and Knowledge Discovery, 3, 263–290.
- YAGER, D. & FILEV, P. (1994). *Approximate clustering via the mountain method*. IEEE Transactions on Systems Man and Cybernetics 24 (8) 1279–1284.
- YANG, M. S. (1993). *A Survey of Fuzzy Clustering*. Math. Comp. Modelling, vol. 18, no. 11, pp. 1–16.
- YIN, J., ZHOU, D., & XIE, Q-Q. (2006) *A Clustering Algorithm for Time Series Data*. Proceedings of the Seventh International Conference on Parallel and distributed Computing of IEEE.
- YIOU, P.; SORNETTE, D. & GHIL, M. (2000) *Data Adaptative Wavelets and Multi Scale Singular Spectrum Analysis*

- ZADEH, L (1965). *Fuzzy Sets*. Information and Control, vol. 3, no. 8, pp. 338–353
- ZHANG, T., RAMAKRISHNAN, R., & LIVNY, M., (1996). *BIRCH: An Efficient Data Clustering Method for Very Large Databases*, In: *Proceedings of the ACM SIGMOD Conference on Management of Data*, pp. 103-114, Montreal, Canada.
- ZHANG, X., WU, Y., JOU, J. (2007) *A Linear DBSCAN Algorithm Based On Lsh*, Proceedings of the Sixth International Conference on Machine Learning and Cybernetics, Hong Kong, 19-22 August 2007.
- ZHAO, W., HOPKE, P.K., PRATHER, K.A. (2008) *Comparison of two cluster analysis methods using single particle mass spectra*, Atmospheric Environment 42 881–892.
- ZHIGLJAVSCKY, A., HASSANI, H., HERAVI, S. (2011). *Forecasting European Industrial Production with Multivariate Singular Spectrum Analysis (MSSA)*. 31º International Symposium on Forecasting -2011 Proceedings. June. Prague. Page 149.
- ZHOU, A., ZHOU, S., CAO, J., FAN, Y., HU, Y., (2000). *Approaches for scaling DBSCAN algorithm to large spatial databases*. J. Comput. Sci. Technol. 15 (6), 509–526.
- ZHOU, L., HOPKE, P. K. & VENKATACHARI, P. (2006) *Cluster analysis of single particle mass spectra measured at Flushing*, NY, Analytica Chimica Acta 555, 47–56.
- ZOKAEI, M. & MAHMOUDVAND, R. (2011) *A New Criterion for Measuring Strong separability in the Singular Spectrum Analysis*.). 31º International Symposium on Forecasting -2011 Proceedings. June. Prague. Page 149.
- ZUBIN, J. A. (1938). *A technique for measuring likemindedness*. Journal of Abnormal and Social Psychology, 33, p.508-516.