

## **BIBLIOGRAPHY**

---

## BIBLIOGRAPHY

Afrati FN, Gionis A, Mannila H (2004) Approximating a collection of frequent sets, Proceedings of the 2004 ACM SIGKDD International Conference Knowledge Discovery in Databases (KDD'04), Seattle,WA, Pp. 12–19.

Agarwal, R., Aggarwal, C. and Prasad, V.V.V. (2000) A tree projection algorithm for generation of frequent itemsets, Journal of Parallel and Distributed Computing, Special Issue on High Performance Data Mining, Vol. 61, Pp.350–371.

Aggarwal, C.C., Li, Y., Wang, J. and Wang, J. (2009) Frequent pattern mining with uncertain data, International Conference on Knowledge Discovery and Data Mining, Proceedings of the 15th ACM SIGKDD International Conference on Knowledge Discovery and Data Mining, ACM Pp. 29-38.

Agrawal R. and Shafer, J.C. (1996) Parallel mining of association rules: design, implementation, and experience, IEEE Trans Knowl Data Eng., Vol. 8, Pp.962–969

Agrawal, R. and Srikant, R. (1994) Fast algorithms for mining association rules in large databases, In Jorge B. Bocca, Matthias Jarke, and Carlo Zaniolo, editors, Proceedings of the 20th International Conference on Very Large Data Bases, VLDB, Santiago, Chile, Pp. 487-499.

Agrawal, R., Imielinski, T., and Swami, A. (1993) Mining association rules between sets of items in large databases, Buneman, P. and Jajodia, S., editors, Proceedings of the ACM SIGMOD International Conference on Management of Data, ACM Press, Pp. 207–216, Washington.

Agrawal, R., Mannila, H., Srikant, R., Toivonen, H., and Verkamo, A. I. (1996) Fast discovery of association rules, Fayyad, U. M., Piatetsky-Shapiro, G., Smyth, P., and Uthurusamy, R., editors, Advances in Knowledge Discovery and Data Mining, AAAI/MIT Press, Pp. 307–328.

Asai, T., Abe, K., Kawasoe, S., Arimura, H., Sakamoto, H. and Arikawa, S. (2002) Efficient substructure discovery from large semi-structured data, SDM2002 Proceedings of the 2nd SIAM International Conference on Data Mining, Pp.158–174.

Aumann, Y. and Lindell, Y. (1999) A statistical theory for quantitative association rules, Proceeding of the 1999 International Conference on Knowledge Discovery and Data Mining (KDD'99), San Diego, CA, Pp. 261–270.

Baowen, X. (2001) A rough set based self-adaptive Web search engine. IEEE NSFC, Pp. 377-382.

Batista, P and Silva, M (2001) *Prospeccao dos Dados de Acesso a um Servidor de Noticias na Web*, 2<sup>nd</sup> Conferencia Sobre Redes de Computadores, Evora, Portugal

Batista, P., Ario, M. and Silva, J. (2002) Mining web access logs of an on-line newspaper, *International Conference on Distributed Computing Systems*, Pp. 416-422.

Bayardo, R.J. (1998) Efficiently mining long patterns from databases, *Proceeding of the 1998 ACM-SIGMOD International Conference on Management of Data (SIGMOD'98)*, Seattle, WA, Pp 85–93.

Bell, T., Witten, I.H. and Cleary, J.G. (2009) *Modelling for Text Compression*, *ACM Computing Surveys*, Vol. 21, No.4, P. 557.

Bernstein, P.A. and Newcomer, E. (2009) *Principles of Transaction Processing*, 2nd Edition, Morgan Kaufmann (Elsevier), ISBN 978-1-55860-623-4

Bettini, C., SeanWang, X. and Jajodia, S. (1998) Mining temporal relationships with multiple granularities in time sequences, *Bull Tech Committee Data Eng.*, Vol. 21, Pp. 32–38.

Borgelt, C. (2003) Efficient Implementations of Apriori and Eclat, *Proceedings of the IEEE ICDM Workshop on Frequent Itemset Mining Implementations*, Melbourne, USA.

Borgelt, C. and Berthold, M.R. (2002) Mining molecular fragments: finding relevant substructures of molecules, *Proceeding of the 2002 International Conference on Data Mining(ICDM'02)*, Maebashi, Japan, Pp 211–218.

Brin, S., Motwani, R. and Silverstein, C. (2007) Beyond market basket: Generalizing association rules to correlations, *SIGMOD '07: Proceedings of the ACM SIGMOD International Conference on Management of Data*, Pp. 265–276.

Brin, S., Motwani, R., Ullman, J. and Tsur, S. (1997) Dynamic itemset counting and implication rules for market basket data, *Proceedings of the International ACM SIGMOD Conference*, Tucson, Arizona, USA, Pp. 255–264.

Burdick, D., Calimli, M. and Gehrke, J. (2001) MAFIA: a maximal frequent itemset algorithm for transactional databases, *Proceeding of the 2001 International Conference on Data Engineering (ICDE'01)*, Heidelberg, Germany, Pp 443–452.

Calders, T. and Goethals, B. (2002) Mining all non-derivable frequent itemsets, *Proceeding of the 2002 European Conference on Principles and Practice of Knowledge Discovery in Databases (PKDD'02)*, Helsinki, Finland, Pp. 74–85

Calders, T. and Goethals, B. (2005) Depth-first non-derivable itemset mining, Proceeding of the 2005 SIAM international conference on data mining (SDM'05), Newport Beach, CA, Pp 250–261.

Cao, H., Mamoulis, N. and Cheung, D.W. (2005) Mining frequent spatio-temporal sequential patterns, Proceeding of the 2005 International Conference on Data Mining(ICDM'05), Houston, TX, Pp. 82–89.

Ceglar, A. and Roddick, J. (2006) Association mining, ACM Computing Surveys, Vol. 38, No.2, Pp. 23-28.

Chang, J. and Lee, W. (2003) Finding recent frequent itemsets adaptively over online data streams, Proceeding of the 2003 International Conference on Knowledge Discovery and Data Mining (KDD'03), Washington, DC, Pp 487–492.

Changa, S.E., Changchiena, S.W. and Huangb, R. (2006) Assessing users' product specific knowledge for personalization in electronic commerce, Expert Systems with Applications, Vol. 30, Pp.682–693.

Chen, M.-S., Jan, J., Yu, P.S. (1996) Data Mining: An Overview from a Database Perspective, IEEE Transactions on Knowledge and Data Engineering, (8:6 Pp 866.883.

Chen, M.S., Park J.S. and Yu, P.S. (1996) Data mining for path traversal patterns in a web environment, Proceeding of the 16th International Conference on Distributed Computing Systems, Pp. 385–392.

Cheng, H., Yan, X. and Han, J. (2004) IncSpan: incremental mining of sequential patterns in large, Proceeding of the 2004 ACM SIGKDD International Conference on Knowledge Discovery in Databases (KDD'04), Seattle, WA, Pp. 527–532.

Cheng, H., Yan, X. and Han, J. (2005) Seqindex: indexing sequences by sequential pattern analysis, Proceeding of the 2005 SIAM International Conference on Data Mining(SDM'05), Newport Beach, CA, Pp 601–605.

Cheung, D.W., Han, J., Ng, V. and Wong, C.Y. (1996) Maintenance of discovered association rules in large an incremental updating technique, Proceeding of the 1996 International Conference on Data Engineering (ICDE'96), New Orleans, LA, Pp. 106–114

Chitraa, V. and Davamani, A.S. (2010) A Survey on Preprocessing Methods for Web Usage Data, International Journal of Computer Science and Information Security, Vol. 7, No. 3, Pp.78-83.

Cong, G., Tan, K.L., Tung, A.K.H. and Xu, X. (2005) Mining top-k covering rule groups for gene expression data, Proceeding of the 2005 ACM-SIGMOD

International Conference on Management of Data (SIGMOD'05), Baltimore, MD, Pp. 670–681

Dehaspe, L., Toivonen, H. and King, R. (1998) Finding frequent substructures in chemical compounds, Proceeding of the 1998 International Conference on Knowledge Discovery and Data Mining (KDD'98), New York, NY, Pp 30–36.

Dong, Y., Tai, X. and Zhao, J. (2005) A Distributed Algorithm Based on Competitive Neural Network for Mining Frequent Patterns, International Conference on Neural Networks and Brain, ICNN&B '05, IEEE Explore Digital Library, Vol. 1, Pp. 499-503.

Dong, Y., Zhuang, Y. and Tai, X. (2007) A novel incremental mining algorithm of frequent patterns for web usage mining, Journal of Natural Sciences, Vol. 12, No. 5, Pp. 777-782.

Eirinaki, M. and Vazirgiannis, M. (2003) Web mining for web personalization. ACM Trans Inter Tech., Vol. 3, Pp.1–27.

Facca, F. M., Lanzi, P. L. (2005) Mining interesting knowledge from weblogs: a survey, Data & Knowledge Engineering, Vol. 53, No.3, Pp. 225–241.

Fukuda, T., Morimoto, Y., Morishita, S. and Tokuyama, T. (1996) Data mining using two-dimensional optimized association rules: scheme, algorithms, and visualization, Proceeding of the 1996 ACM-SIGMOD International Conference management of data (SIGMOD'96), Montreal, Canada, Pp. 13–23

Garofalakis, M., Rastogi, R. and Shim, K. (1999) SPIRIT: Sequential pattern mining with regular expression constraints, Proceeding of the 1999 International Conference on Very Large Databases (VLDB'99), Edinburgh, UK, Pp. 223–234.

Geerts, F., Goethals, B. and Bussche, J. (2001) A tight upper bound on the number of candidate patterns, Proceeding of the 2001 International Conference on Data Mining (ICDM'01), San Jose, CA, Pp. 155–162.

Gionis, A., Kujala, T. and Mannila, H. (2003) Fragments of order, Proceeding of the 2003 International Conference on Knowledge Discovery and Data Mining (KDD'03), Washington, DC, Pp. 129–136.

Gionis, A., Mannila, H., Mielikainen, T. and Tsaparas, P. (2007) Assessing Data Mining Results via Swap Randomization, ACM Transactions on Knowledge Discovery from Data (TKDD), Volume 1, Issue 3, Article No. 14.

Goethals, B. and Zaki, M. (2003) An introduction to workshop on frequent itemset mining implementations, Proceeding of the ICDM'03 International Workshop on Frequent Itemset Mining Implementations (FIMI'03), Melbourne, FL, Pp.1–13.

Gopalan, R. and Sucahyo, Y.G. (2004) High performance frequent patterns extraction using compressed FP-Tree, Proceedings of the SIAM International Workshop on High Performance and Distributed Mining, Orlando, USA, Pp.1-9.

Grahne, G. and Zhu, J. (2003) Efficiently using prefix-trees in mining frequent itemsets, Proceeding of the ICDM'03 International Workshop on Frequent Itemset Mining Implementations (FIMI'03), Melbourne, FL, Pp. 123–132.

Hafez, A.M. (2008) A Dynamic Approach for Knowledge Discovery of Web Access Patterns, ISMIS 2000, Lecture Notes In Computer Science; Vol. 1932 Pp. 130-138.

Han J, Pei J, Yin Y (2000) Mining frequent patterns without candidate generation, Proceeding of the 2000 ACM-SIGMOD International Conference on Management of Data (SIGMOD'00), Dallas, TX, Pp. 1–12.

Han, J. and Fu, Y. (1995) Discovery of multiple-level association rules from large databases, Proceeding of the 1995 International Conference on very large data bases (VLDB'95), Zurich, Switzerland, Pp 420–431.

Han, J. and Kamber, M. (2006) Data mining: concepts and techniques, 2nd Edn. Morgan Kaufmann.

Han, J., Dong, G. and Yin, Y. (1999) Efficient mining of partial periodic patterns in time series database, Proceeding of the 1999 International Conference on Data Engineering (ICDE'99), Sydney, Australia, Pp. 106–115.

Han, J., Mortazavi-Asl, B., Pei, J., Zhu, H. (2000) Mining Access Pattern efficiently from Web logs, in Proc. of the Pacific-Asia Conf. on Knowledge Discovery and Data Mining (PAKDD'00), Pp. 396–407.

Han, J., Pei, J., Yin, Y. and Mao, R. (2004) Mining frequent patterns without candidate generation, Data Mining and Knowledge Discovery, Vol. 8, Pp. 53-87.

Holder, L.B., Cook, D.J. and Djoko, S. (1994) Substructure discovery in the subdue system, Proceeding of the AAAI'94 Workshop Knowledge Discovery in Databases (KDD'94), Seattle, WA, Pp 169–180.

Holsheimer, M., Kersten, M., Mannila, H. and Toivonen, H. (1995) A perspective on databases and data mining, Proceeding of the 1995 International Conference on Knowledge Discovery and Data Mining (KDD'95), Montreal, Canada, Pp. 150-155.

Hu, W.C., Zong, X., Lee, C.W and Yeh, J.H. (2010) World Wide Web Usage Mining Systems and Technologies, Journal of Systemics, Cybernetics and Informatics, Vol. 1, No. 4, Pp.53-59.

Huan, J., Wang, W., Prins, J. and Yang, J. (2004) Spin: mining maximal frequent subgraphs from graph databases, Proceeding of the 2004 ACM SIGKDD International Conference on Knowledge Discovery in Databases (KDD'04), Seattle, WA, Pp 581–586.

Inokuchi A, Washio T, Motoda H (2000) An apriori-based algorithm for mining frequent substructures from graph data, Proceeding of the 2000 European Symposium on the Principle of Data Mining and Knowledge Discovery (PKDD'00), Lyon, France, Pp. 13–23.

Inokuchi, A., Washio, T. and Motoda, H. (1999) Basket analysis for graph structured data, PAKDD '99: Proceedings of the 3rd Pacific-Asia Conference on Knowledge Discovery and Data Mining, Pp. 420–431.

Ivancsy, R. and Vajk, I. (2006) Frequent Pattern Mining in Web Log Data, Vol. 3, No.1, Acta Polytechnica Hungarica, Pp. 1-14.

Jalali, M., Mustapha, N., Sulaiman, M. N. B. and Mamat, A. (2008a) OPWUMP: An Architecture for Online Predicting in WUM-Based Personalization System, Communications in Computer and Information Science, Advances in Computer Science and Engineering, Springer Berlin Heidelberg, Vol. 6, Pp. 838–841.

Jalali, M., Mustapha, N. , Sulaiman, N. B. and Mamat, A. (2008b) A Web Usage Mining App. roach Based on LCS Algorithm in Online Predicting Recommendation Systems," 12th International on Information Visualisation, IV'08, London, UK, Pp. 302-307.

Jin, R. and Agrawal, G. (2005) An algorithm for in-core frequent itemset mining on streaming data, Proceeding of the 2005 International Conference on Data Mining (ICDM'05), Houston, TX, Pp 210–217.

Jin, R., Wang, C., Polshakov, D., Parthasarathy, S. and Agrawal, G. (2005) Discovering frequent topological structures from graph datasets, Proceeding of the 2005 ACM SIGKDD International Conference on Knowledge Discovery in Databases (KDD'05), Chicago, IL, Pp. 606–611.

Kamber, M., Han, J. and Chiang, J.Y. (1997) Metarule-guided mining of multi-dimensional association rules using data cubes, Proceeding of the 1997 International Conference on Knowledge Discovery and Data Mining (KDD'97), Newport Beach, CA, Pp 207–210.

Karin, K. (2004) New Techniques for Clustering Complex Objects Dissertation, LMU Munchen: Faculty of Mathematics, Computer Science and Statistics.

Karp, R.M., Papadimitriou, C.H. and Shenker, S. (2003) A simple algorithm for finding frequent elements in streams and bags, *ACM Trans Database Syst*, Vol. 28, Pp.51–55.

Kolari, P. and Joshi, A. (2004) *Web Mining: Research and Practice*, Computing in Science and Engineering, Vol. 6, No. 4, Pp. 49-53

Koperski, K. and Han, J. (1995) Discovery of spatial association rules in geographic information databases. *Proceeding of the 1995 International Symposium on Large Spatial Databases (SSD'95)*, Portland, ME, Pp 47–66.

Kosala, R. and Blockeel, H. (2000) Web mining research: a survey, *SIGKDD Explor.*, P. 2.

Kriegel, H.P., Kroger, P., Mashaël, Z., Pfeifle, M., Potke, M. and Seidl, T.(2003) Effective Similarity Search on Voxelized CAD Objects, *Proc.8th International Conference on Database Systems for Advanced Applications (DASFAA'03)*, Kyoto, Japan, Pp.27–36.

Kumar, B.S. and Rukmani, K.V. (2010) Implementation of Web Usage Mining Using Apriori and FP Growth Algorithms, *Int. J. of Advanced Networking and Applications*, Vol. 01, Issue 06, Pp. 400-404

Kuramochi M, Karypis G (2001) Frequent subgraph discovery, *Proceeding of the 2001 International Conference on Data Mining(ICDM'01)*, San Jose, CA, Pp 313–320.

Kuramochi, M. and Karypis, G. (2004) GREW: a scalable frequent subgraph discovery algorithm., *Proceeding of the 2004 International Conference on Data Mining (ICDM'04)*, Brighton, UK, Pp. 439–442.

Lelewer, D.A. and Hirschberg, D.S. (2003) *Data Compression*, *ACM Computing Surveys*, Vol. 19, No. 3, P.261.

Lent, B., Swami, A. and Widom, J. (1997) Clustering association rules, *Proceeding of the 1997 International Conference on Data Engineering (ICDE'97)*, Birmingham, England, Pp. 220–231

Li, H.F., Lee, S.Y. and Shan, M.K.(2005) DSM-PLW : Single-pass mining of path traversal patterns over streaming Web click-sequences, Elsevier, Pp.1-14.

Li, X., Han, J. and Kim, S. (2006) Motion-alert: automatic anomaly detection in massive moving objects, *IEEE International Conference on Intelligence and Security Informatics (ISI'06)*, San Diego, CA, Pp. 166–177.

Lin, C., Chiu, D., Wu, Y. and Chen, A. (2005) Mining frequent itemsets from data streams with a time-sensitive sliding window, *Proceeding of the 2005 SIAM International Conference on Data Mining(SDM'05)*, Newport Beach, Pp 68–79.

Liu H, Han J, Xin D, Shao Z (2006) Mining frequent patterns on very high dimensional data: a top-down row enumeration approach, Proceeding of the 2006 SIAM International Conference on Data Mining (SDM'06), Bethesda, MD, pp 280–291.

Liu, G., Lu, H., Lou, W. and Yu, J.X. (2003) On computing, storing and querying frequent patterns, Proceeding of the 2003 ACM SIGKDD International Conference on Knowledge Discovery and Data Mining (KDD'03), Washington, DC, Pp. 607–612

Liu, H., Han, J., Xin, D. and Shao, Z. (2006) Mining frequent patterns on very high dimensional data: a topdown row enumeration approach, Proceeding of the 2006 SIAM International Conference on Data Mining(SDM'06), Bethesda, MD, Pp. 280–291.

Liu, J., Pan, Y., Wang, K. and Han, J. (2002) Mining frequent item sets by opportunistic projection, SIGKDD '02: Proceedings of the eighth ACM SIGKDD International Conference on Knowledge Discovery and Data Mining, ACM Press New York, USA, Pp. 229–238.

Lu, H., Han, J. and Feng, L. (1998) Stock movement and n-dimensional inter-transaction association rules, Proceeding of the 1998 SIGMOD workshop research issues on data mining and knowledge discovery (DMKD'98), Seattle, WA, Pp. 12:1–12:7.

Luo, C. and Chung, S. (2005) Efficient mining of maximal sequential patterns using multiple samples, Proceeding of the 2005 SIAM International Conference on Data Mining(SDM'05), Newport Beach, CA, Pp. 415–426.

Ma, S. and Hellerstein, J.L. (2001) Mining partially periodic event patterns with unknown periods, Proceeding of the 2001 International Conference on Data Engineering (ICDE'01), Heidelberg, Germany, Pp 205–214.

Manku, G. and Motwani, R. (2002) Approximate frequency counts over data streams, Proceeding of the 2002 International Conference on Very Large Databases (VLDB'02), Hong Kong, China, Pp 346–357.

Mannila, H., Toivonen, H. and Verkamo, A.I. (1994) Efficient algorithms for discovering association rules, Proceeding of the AAAI'94 Workshop Knowledge Discovery in Databases (KDD'94), Seattle, WA, Pp 181–192.

Mannila, H., Toivonen, H. and Verkamo, A.I. (1997) Discovery of frequent episodes in event sequences, Data Min Knowledge Discovery, Vol.1, Pp.259–289

Metwally, A., Agrawal, D. and El Abbadi, A. (2005) Efficient computation of frequent and top-k elements in data streams, Proceeding of the 2005

International Conference on Database Theory (ICDT'05), Edinburgh, UK, Pp 398–412.

Miller, R.J. and Yang, Y. (1997) Association rules over interval data, Proceeding of the 1997 ACM SIGMOD International Conference on Management of Data (SIGMOD'97), Tucson, AZ, Pp. 452–461.

Nanopoulos, A. and Manolopoulos, Y. (2001) Mining patterns from graph traversals, Data Knowl Eng, Vol. 37, Pp.243–266.

Nierman, A. and Jagadish, H.V.(2002) Evaluating Structural Similarity in XML Documents".In Proc.5th Int.Workshop on the Web and Databases (WebDB 2002), Madison, WI, Pp.61–66.

Nijssen S, Kok J (2004) A quickstart in frequent structure mining can make a difference, Proceeding of the 2004 ACM SIGKDD International Conference on Knowledge Discovery in Databases (KDD'04), Seattle, WA, Pp 647–652.

Özden, B., Ramaswamy, S. and Silberschatz, A. (1998) Cyclic association rules, Proceeding of the 1998 International Conference on Data Engineering (ICDE'98), Orlando, FL, Pp. 412–421.

Pan, F., Cong, G., Tung, A.K.H., Yang, J. and Zaki, M. (2003) CARPENTER: finding closed patterns in long biological datasets, Proceeding of the 2003 ACM SIGKDD International Conference on Knowledge Discovery and Data Mining (KDD'03), Washington, DC, Pp. 637–642.

Pan, F., Tung, A.K.H., Cong, G. and Xu, X. (2004) COBBLER: combining column, and row enumeration for closed pattern discovery, Proceeding of the 2004 International Conference on Scientific and Statistical Database Management (SSDBM'04), Santorini Island, Greece, Pp 21–30

Park, J.S., Chen, M.S. and Yu, P.S. (1995) An effective hash-based algorithm for mining association rules. Proceeding of the 1995 ACM-SIGMOD International Conference on Management of Data (SIGMOD'95), San Jose, CA, Pp 175–186

Pasquier, N., Bastide, Y., Taouil, R. and Lakhal, L. (1999) Discovering frequent closed itemsets for association rules, Proceeding of the 7th International Conference on Database Theory (ICDT'99), Jerusalem, Israel, Pp. 398–416.

Pei, J., Han, J. and Mao, R. (2000) CLOSET: an efficient algorithm for mining frequent closed itemsets, Proceeding of the 2000 ACM-SIGMOD International Workshop Data Mining and Knowledge Discovery (DMKD'00), Dallas, TX, Pp. 11–20

Pei, J., Han, J. and Wang, W. (2002) Constraint-based sequential pattern mining in large databases, Proceeding of the 2002 International Conference on Information and Knowledge Management (CIKM'02), McLean, VA, Pp 18–25.

Pei, J., Han, J., Mortazavi-Asl, B., Pinto, H., Chen, Q., Dayal, U. and Hsu, M.C. (2001) PrefixSpan: mining sequential patterns efficiently by prefix-projected pattern growth, Proceeding of the 2001 International Conference on Data Engineering (ICDE'01), Heidelberg, Germany, Pp. 215–224

Pei, J., Han, J., Mortazavi-Asl, B., Wang, J., Pinto, H., Chen, Q., Dayal, U. and Hsu, M.C. (2004) Mining sequential patterns by pattern-growth: the prefix span approach. IEEE Transaction on Knowledge Data Engineering, Vol. 16, Pp.1424–1440.

Pei, J., Liu, J., Wang, H., Wang, K., Yu, P.S. and Yang, J. (2005) Efficiently mining frequent closed partial orders, Proceeding of the 2005 International Conference on Data Mining(ICDM'05), Houston, TX, Pp 753–756.

Pinto, H., Han, J., Pei, J., Wang, K., Chen, Q. and Dayal, U. (2001) Multi-dimensional sequential pattern mining, Proceeding of the 2001 International Conference on Information and Knowledge Management (CIKM'01), Atlanta, GA, Pp. 81–88.

Punin, J., Krishnamoorthy, M. and Zaki, M. (2001) Web usage mining: Languages and algorithms, Studies in Classification, Data Analysis, and Knowledge Organization. Springer-Verlag.

Raju, V.V.R., Rao V.M. and Kumari, V. (2010) Article: Understanding User Behavior using Web Usage Mining, International Journal of Computer Applications, Published By Foundation of Computer Science, Vol.1, No. 7, Pp. 55–64.

Ramesh, G., Maniatty, W.A. and Zaki, M.J. (2003) Feasible itemset distributions in data mining: theory and application, Proceeding of the 2003 ACM Symposium on Principles of Database Systems (PODS'03), San Diego, CA, Pp. 284–295.

Romero, C., Ventura, S., Zafra, A. and de Bra, P. (2009) Applying Web usage mining for personalizing hyperlinks in Web-based adaptive educational systems, Computers and Education, Vol. 53, Issue 3, Pp. 828-840.

Rymon, R. (1992) Search through systematic set enumeration, Proceedings of 3rd International Conference on Principles of Knowledge Representation and Reasoning, Pp. 539-550.

Sarawagi, S., Thomas, S. and Agrawal, R (1998) Integrating association rule mining with relational database systems: alternatives and implications,

Proceeding of the 1998 ACM-SIGMOD International Conference on Management of Data (SIGMOD'98), Seattle, WA, Pp. 343–354

Sarwar, B., Karypis, G., Konstan, J. and Riedl, J. (2000) Analysis of recommender algorithms for e-commerce, Proceedings of the ACM Electronic Commerce Conference, Pp. 158-167.

Savasere, A., Omiecinski, E. and Navathe, S. (1995) An efficient algorithm for mining association rules in large databases, Proceeding of the 1995 International Conference on Very Large Databases (VLDB'95), Zurich, Switzerland, Pp 432–443.

Schafer, J.B., Konstan, J. and Riedl, J. (2000) Electronic commerce recommender applications, Journal of Data Mining and Knowledge Discovery, Vol. 5, No. 1/2, Pp. 115-152.

Seppänen, J. and Mannila, H. (2004) Dense itemsets, Proceeding of the 2004 International Conference on Knowledge Discovery and Data Mining (KDD'04), Seattle, WA, Pp. 683–688.

Shen, L., Cheng, L. and Steinberg, T. (2000) Mining the most interesting web access associations,” in WebNet 2000-World Conference on the WWW and Internet, Pp. 489-494

Shenoy, P., Haritsa, J., Sudarshan, S., Bhalotia, G., Bawa, M. and Shah, D. (2000) Turbo-charging vertical mining of large databases, Proceedings of ACM SIGMOD International Conference on Management of Data, Pp. 22–33.

Siebes, A., Vreeken, J. and Leeuwen, M. (2006) Item sets that compress, Proceeding of the 2006 SIAM International Conference on Data Mining (SDM'06), Bethesda, MD, Pp, 393–404.

Spiliopoulou, M. (2000) Web usage mining for site evaluation: Making a site better fit its users. Communications of ACM, Vol. 43, No.8, Pp.127-134.

Srivastava, J., Cooley, R., Deshpande, M. and Tan, P.N. (2000) Web usage mining: discovery and applications of usage patterns from web data, SIGKDD Explor, Vol. 1, Pp. 12–23.

Steinbach, M., Tan, P. and Kumar, V. (2004) Support envelopes: A technique for exploring the structure of association patterns. In: Proceeding of the 2004 ACM SIGKDD International Conference on Knowledge Discovery in Databases (KDD'04), Seattle, WA, Pp 296–305.

Storer, J.A. (2005) Data Compression: Methods and Theory, Computer Science Press, New York, NY.

Sun, L. and Zhang, X. (2004) Efficient Frequent Pattern Mining on Web Logs, *Advanced Web Technologies and Applications, Lecture Notes in Computer Science*, Vol. 3007/2004, 533-542.

Sun, X. and Zhao, W. (2009) Design and Implementation of an E-Learning Model Based on WUM Techniques, *International Conference on E-Learning, E-Business, Enterprise Information Systems, and E-Government*, Pp.248-251.

Ting, R. and Bailey, J. (2006) Mining minimal contrast subgraph patterns, *Proceeding of the 2006 SIAM International Conference on Data Mining (SDM'06)*, Bethesda, MD, Pp. 638–642

Toivonen, H. (1996) Sampling large databases for association rules, *Proceeding of the 1996 International Conference on Very Large Data Bases (VLDB'96)*, Bombay, India, Pp. 134–145

Ukkonen A, Fortelius M, Mannila H (2005) Finding partial orders from unordered 0-1 data, *Proceeding of the 2005 International Conference on Knowledge Discovery and Data Mining (KDD'05)*, Chicago, IL, Pp 285–293.

Vanetik N, Gudes E, Shimony SE (2002) Computing frequent graph patterns from semistructured data, *Proceeding of the 2002 International Conference on Data Mining (ICDM'02)*, Maebashi, Japan, Pp. 458–465.

Wan, Q. and An, A. (2005) Compact transaction database for efficient frequent pattern mining, *IEEE International Conference on Granular Computing*, Vol. 2, Pp. 652 – 659.

Wang J, Han J, Lu Y, Tzvetkov P (2005) TFP: An efficient algorithm for mining top-k frequent closed itemsets, *IEEE Transactions on Knowledge Data Engineering*, Vol. 17, Pp. 652–664.

Wang, C., Wang, W., Pei, J., Zhu, Y. and Shi, B. (2004) Scalable mining of large disk-base graph databases, *Proceeding of the 2004 ACM SIGKDD International Conference on Knowledge Discovery in Databases (KDD'04)*, Seattle, WA, Pp. 316–325.

Wang, K, Jiang, Y. and Lakshmanan, L. (2003) Mining unexpected rules by pushing user dynamics, *Proceeding of the 2003 ACM SIGKDD International Conference on Knowledge Discovery in Databases (KDD'03)*, Washington, DC, Pp. 246–255

Wang, W., Weng, J., Su, J. and Tseng, S. (2004) Learning portfolio analysis and mining in SCORM compliant environment, *ASEE/ IEEE frontiers in education conference*, Pp. 17–24.

Washio, T., Suzuki, E., Ting, K.M. and Inokuchi, A. (Eds.) (2008) *Advances in Knowledge Discovery and Data Mining, Proceedings of 12th Pacific-Asia*

Conference, PAKDD 2008 Osaka, Japan, Lecture Notes in Computer Science, Pp. 1-1102. SBN: 978-3-540-68124-3.

Webb, G.I. (2000 Efficient Search for Association Rules, R. Ramakrishnan and S. Stolfo (Eds.), Proceedings of the Sixth ACM SIGKDD International Conference on Knowledge Discovery and Data Mining (KDD-2000) Boston, MA. New York: The Association for Computing Machinery, Pp. 99-107.

Weikum, G. and Vossen, G. (2001) Transactional information systems: theory, algorithms, and the practice of concurrency control and recovery, Morgan Kaufmann, ISBN 1558605088.

Xin D, Han J, Yan X, Cheng H (2005) Mining compressed frequent-pattern sets, Proceeding of the 2005 international conference on very large data bases (VLDB'05), Trondheim, Norway, Pp. 709–720.

Xiong, H., Shekhar, S., Huang, Y., Kumar, V., Ma, X. and Yoo, J.S. (2004) A framework for discovering co-location patterns in data sets with extended spatial objects, Proceeding of the 2004 SIAM International Conference on Data Mining(SDM'04), Lake Buena Vista, FL, Pp 78–89.

Yan, X. and Han, J (2003) CloseGraph: mining closed frequent graph patterns, Proceeding of the 2003 ACM SIGKDD International Conference on Knowledge Discovery and Data Mining (KDD'03), Washington, DC, Pp 286–295

Yan, X., Han, J. and Afshar, R. (2003) CloSpan: mining closed sequential patterns in large datasets, Proceeding of the 2003 SIAM International Conference on Data Mining (SDM'03), San Fransisco, CA, Pp. 166–177.

Yan, X., Yu, P.S. and Han, J. (2004) Graph indexing: a frequent structure-based approach, Proceeding of the 2004 ACM-SIGMOD International Conference on Management of Data (SIGMOD'04), Paris, France, Pp 335–346.

Yan, X. and Han, J. (2002) gSpan: graph-based substructure pattern mining, Proceeding of the 2002 International Conference on Data Mining(ICDM'02), Maebashi, Japan, Pp. 721–724.

Yan, X., Yu, P.S. and Han, J. (2005a) Substructure similarity search in graph databases, Proceeding of the 2005 ACM-SIGMOD International Conference on Management of Data (SIGMOD'05), Baltimore, MD, Pp 766–777.

Yan, X., Zhou, X.J. and Han J. (2005b) Mining closed relational graphs with connectivity constraints, Proceeding of the 2005 ACM SIGKDD International Conference on Knowledge Discovery in Databases (KDD'05), Chicago, IL, Pp 324–333.

- Yan, X., Zhu, F., Han, J. and Yu, P.S. (2006) Searching substructures with superimposed distance, Proceeding of the 2006 International Conference on Data Engineering (ICDE'06), Atlanta, Georgia, P. 88.
- Yang LH, Lee M-L, Hsu W (2003) Efficient mining of xml query patterns for caching, VLDB, Pp. 69–80.
- Yang, C., Fayyad, U. and Bradley, P.S. (2001) Efficient discovery of error-tolerant frequent itemsets in high dimensions, Proceeding of the 2001 ACM SIGKDD International Conference on Knowledge Discovery in Databases (KDD'01), San Fransisco, CA, Pp. 194–203.
- Yang, J. and Wang, W. (2003) CLUSEQ: efficient and effective sequence clustering, Proceeding of the 2003 International Conference on Data Engineering (ICDE'03), Bangalore, India, Pp. 101–112.
- Yoda, K., Fukuda, T., Morimoto, Y., Morishita, S. and Tokuyama, T. (1997) Computing optimized rectilinear regions for association rules, Proceeding of the 1997 International Conference on Knowledge Discovery and Data Mining (KDD'97), Newport Beach, CA, Pp. 96–103
- Yu, J.X., Chong, Z., Lu, H. and Zhou, A (2004) False positive or false negative: mining frequent itemsets from high speed transactional data streams, Proceeding of the 2004 International Conference on Very Large Databases (VLDB'04), Toronto, Canada, Pp 204–215.
- Yu, P., Own, C., & Lin, L. (2001) On learning behavior analysis of web based interactive environment, Proceedings of ICCEE, Oslo/Bergen, Norway
- Zaiane, O. and Luo, J. (2010a) Towards Evaluating Learners' Behavior in a Web-based Distance Learning Environment, Proc. of IEEE International Conference on Advanced Learning Technologies, Madison, WI, Pp 357-360.
- Zaiane, O., and Luo, J. (2010b) Web usage mining for a better web-based learning environment, Proceedings of Conference on advanced technology for education, Banff, Alberta, Pp. 60–64.
- Zaiane, O.R., Han, J. and Zhu, H. (2000) Mining recurrent items in multimedia with progressive resolution refinement, Proceeding of the 2000 International Conference on Data Engineering (ICDE'00), San Diego, CA, Pp 461-470.
- Zaiane, O.R., Xin, M. and Han, J. (1998) Discovering web access patterns and trends by aPp. lying olap and data mining technology on web logs, ADL '98: Proceedings of the Advances in Digital Libraries Conference, Washington, DC, USA: IEEE Computer Society, Pp. 1-19
- Zaki, M. (2001) SPADE: an efficient algorithm for mining frequent sequences, Machine Learning, Vol. 40, Pp.31–60.

Zaki, M.J, and Hsiao, C.J. (2002) CHARM: an efficient algorithm for closed itemset mining, Proceeding of the 2002SIAM International Conference on Data Mining(SDM'02),Arlington,VA, Pp. 457–473

Zaki, M.J. (2002) Efficiently Mining Frequent Trees in a Forest, SIGKDD2002 Proceedings of the eighth ACM SIGKDD International Conference on Knowledge Discovery and Data Mining, Pp. 71–80.

Zaki, M.J. (1998) Efficient enumeration of frequent sequences, Proceeding of the 7th International Conference on Information and Knowledge Management (CIKM'98), Washington, DC, Pp 68–75.

Zaki, M.J. and Hsiao, C.J. (2002) CHARM: an efficient algorithm for closed itemset mining. Proceeding of the 2002SIAM International Conference on Data Mining(SDM'02), Arlington, VA, Pp 457–473.

Zaki, M.J., Parthasarathy, S., Ogihara, M. and Li, W. (1997) Parallel algorithm for discovery of association rules, Data Mining and Knowledge Discovery, Vol. 1, Pp.343–374

Zhang, H., Padmanabhan, B. and Tuzhilin, A. (2004) On the discovery of significant statistical quantitative rules, Proceeding of the 2004 International Conference on Knowledge Discovery and Data Mining (KDD'04), Seattle,WA, Pp. 374–383.

Zhang, X., Mamoulis, N., Cheung, D.W. and Shou, Y. (2004) Fast mining of spatial collocations, Proceeding of the 2004 ACM SIGKDD International Conference on Knowledge Discovery in Databases (KDD'04), Seattle,WA, Pp. 384–393.

Zorrilla, M. E., Menasalvas, E., Marin, D., Mora, E., and Segovia, J. (2005) Web usage mining project for improving web-based learning sites, Web mining Workshop, Cataluna.

## **WEBSITES**

Anonymous Web Data < <http://kdd.ics.uci.edu/databases/msweb/msweb.html>>.

AccrueHitList <<http://www.accrue.com/index.html>>.

Data\_Mining\_Tools <<http://www.rulequest.com/see5-info.html>>.

<http://en.wikipedia.org/wiki/>

WUM <<http://wum.wiwi.hu-berlin.de/>>.