

A small experiment on mining memplexes

Laansalu-Veskioja, Karin; **Veskioja, Tarmo** Proceedings of the 21th [i. e. 21st] European-Japanese Conference on Information Modelling and Knowledge Bases : EJC2011 : Tallinn, Estonia, June 06-10, 2011. Vol. 2 2011 / p. 151-158 : ill <https://dblp.org/rec/conf/ejc/Laansalu-VeskiojaV11.html>

Abawajy, J.; Kelarev, A.V.; Yearwood, J.L.; Turville, C. A data mining application of the incidence semirings. Houston J. Math. 39, No. 4, 1083-1093 (2013) : [review]

Henno, Jaak Zentralblatt MATH 2014 / [1] p

An all closed set finding algorithm for data mining

Kuusik, Rein, inform.; Lind, Grete Advances on artificial intelligence, knowledge engineering and data bases : proceedings of the 7th WSEAS International Conference on Artificial Intelligence, Knowledge Engineering and Data Bases (AIKED'08) : Gambridge, UK, February 20-22, 2008 2008 / p. 135-141

An automatic approach to evaluate assertions' quality based on data-mining metrics

Ghasempouri, Tara; Niazmand, Behrad; Raik, Jaan Proceedings 2nd IEEE International Test Conference in Asia : ITC-Asia 2018, 15-17 August 2018, Harbin, China 2018 / p. 61-66 : ill <https://doi.org/10.1109/ITC-Asia.2018.00021>

An efficient method for post analysis of patterns

Kuusik, Rein, inform.; Liiv, Innar; Lind, Grete Proceedings of the IASTED International Conference on Artificial Intelligence and Applications : Innsbruck, Austria, February 14-16, 2005 2005 / p. 101-105
https://www.researchgate.net/publication/221173660_An_Efficient_Method_for_Post_Analysis_of_Patterns

An idea for universal generator of hypotheses

Lind, Grete; Kuusik, Rein, inform. ICEIS 2012 - proceedings of the 14th International Conference on Enterprise Information Systems : Wroclaw, Poland, 28 June-1 July, 2012. Volume 1 2012 / p. 169-174
<https://www.scitepress.org/PublishedPapers/2012/40971/pdf/index.html>

Analysis of competency-based learning - 6 years later

Umbleja, Kadri; Kukk, Vello; Jaanus, Martin Proceedings of 2017 IEEE Global Engineering Education Conference (EDUCON) : 25-28 April 2017, Athens, Greece 2017 / p. 165-174 : ill <https://doi.org/10.1109/EDUCON.2017.7942843>

Andmekaevandamine

Liiv, Innar A & A 2005 / 6, lk. 28-43 : ill

Andmekaevandamisest matemaatikas

Võhandu, Leo Arvutustehnika ja Andmetöötlus 1997 / 11/12, lk. 45-50

Applying user profile ontology for mining web site adaptation recommendations

Robal, Tarmo Info- ja kommunikatsioonitehnoloogia doktorikooli IKTDK teise aastakonverentsi artiklite kogumik : 11.-12. mai 2007, Viinistu kunstimuseum 2007 / lk. 125-128 : ill

Applying user profile ontology for mining web site adaption recommendations

Robal, Tarmo; Kalja, Ahto Local Proceedings of the 11th East-European Conference on Advances in Databases and Information Systems (ADBIS 2007) 2007 / p. 126-135
https://www.researchgate.net/publication/221651686_Applying_User_Profile_Ontology_for_Mining_Web_Site_Adaptation_Recommendations

An approach of data mining using monotone systems

Kuusik, Rein, inform.; Lind, Grete Proceedings of Fifth International Conference on Enterprise Information Systems : ICEIS 2003 : Angers, France, April 23-26, 2003. Vol. 2 2003 / p. 482-485

An automated method for mining high-quality assertion sets

Heidari Iman, Mohammadreza; Raik, Jaan; Jenihhin, Maksim; Jervan, Gert; Ghasempouri, Tara Microprocessors and microsystems 2023 / art. 104773 <https://doi.org/10.1016/j.micpro.2023.104773>

Business-intelligence mining of large decentralized multimedia datasets with a distributed multi-agent system

Qayumi, Karima; Norta, Alexander International journal of computer, electrical, automation, control and information engineering 2016 / p. 1126-1135 : ill <http://scholar.waset.org/1999.4/10004765>

Capability detection and evaluation metrics for cyber security lab exercises

Caliskan, Emin; Tatar, Unal; Bahsi, Hayretidin; Ottis, Rain; Vaarandi, Risto Proceedings of the 12th International Conference on Cyber Warfare and Security, ICCWS 2017 2017 / p. 407-414 : ill <https://www.scopus.com/record/display.uri?eid=2-s2.0-85018944652&origin=inward&txId=dad813d957372581ca0932bf6e4fb5d8>

Clustering of Transmission System Loads Based on Monthly Load Class Energy Consumptions

Leinakse, Madis; Kilter, Jako 2020 21st International Scientific Conference on Electric Power Engineering (EPE), October 19-21,

Competence based learning - framework, implementation, analysis and management of learning process =
Kompetentsipõhine õpe - raamistik, implementatsioon, analüüs ja õppeprotsessi juhtimine
Umbleja, Kadri 2017 <https://digi.lib.ttu.ee/i/?7573>

A comprehensive approach for designing business-intelligence solutions with multi-agent systems in distributed environments

Qayumi, Karima; **Norta, Alexander** Transactions on Large-Scale Data- and Knowledge-Centered Systems XXXVII 2018 / p. 113-150 https://doi.org/10.1007/978-3-662-57932-9_4 [Article collection metrics at Scopus](#) [Article at Scopus](#) [Article collection metrics at WOS](#) [Article at WOS](#)

Conformity analysis with structured query language

Liiv, Innar; Kuusik, Rein, inform.; Võhandu, Leo 6th WSEAS International Conference on Artificial Intelligence, Knowledge Engineering and Data Bases : Corfu Island, Greece, February 16-19, 2007 2007 / p. 187-189
https://www.academia.edu/3807457/Conformity_analysis_with_structured_query_language

A data clustering algorithm for mining patterns from event logos

Vaarandi, Risto Proceedings of the 3rd IEEE Workshop on IP Operations & Management (IPOM2003) : Kansas City, Missouri, USA, October 1-3, 2003 2003 / p. 119-126 : tab

Data mining in production management and manufacturing

Matsi, Birthe; Otto, Tauno; Lõun, Kaia; Roosimõlder, Lembit DAAAM International Scientific Book 2009 2009 / p. 97-106

Data mining in production management and manufacturing

Matsi, Birthe; Lõun, Kaia; Otto, Tauno; Roosimõlder, Lembit Annals of DAAAM for 2008 & proceedings of the 19th International DAAAM Symposium : Intelligent Manufacturing & Automation : Focus on Next Generation of Intelligent Systems and Solutions 2008 / p. 827-828

Data mining: pattern mining as a clique extracting task

Kuusik, Rein, inform.; Lind, Grete; Võhandu, Leo ICEIS 2004 : proceedings of the Sixth International Conference on Enterprise Information Systems : Porto, Portugal, April 14-17, 2004. Volume 2 2004 / p. 519-522

Database mining

Võhandu, Leo; Kuusik, Rein, inform.; Roosmann, Peeter GIS-Baltic Sea States '95 : exhibition, conference - Tallinn, Estonia, 13-15 December, 1995 : abstracts, catalogue 1995 / p. 55

Database mining and GIS

Võhandu, Leo; Kuusik, Rein, inform.; Roosmann, Peeter GIS - Baltic Sea States '95 : exhibition and conference, 13-15 December 1995 - Tallinn, Estonia : proceedings 1997 / p. 159-163

Dealing with data streams: Complex event processing vs. data stream mining

Lange, Moritz; Koschel, Arne; **Astrova, Irina** Computational Science and Its Applications – ICCSA 2020 : 20th International Conference, Cagliari, Italy, July 1–4, 2020 : Proceedings, Part IV 2020 / p. 3-14 https://doi.org/10.1007/978-3-030-58811-3_1 [Conference proceedings at Scopus](#) [Article at Scopus](#) [Conference proceedings at WOS](#) [Article at WOS](#)

Describing data table with best decision

Torim, Ants; Kuusik, Rein, inform. Proceedings of the 5th WSEAS International Conference on Simulation, Modeling and Optimization : Corfu, Greece, August 17-19, 2005 2005 / p. 152-157 : ill

Discretizing numerical attributes : an analysis of human perceptions

Kaushik, Minakshi; Sharma, Rahul; Draheim, Dirk arXiv.org 2023 / 18 p. : ill <https://doi.org/10.48550/arXiv.2311.03278>

Discretizing numerical attributes : an analysis of human perceptions : [conference paper]

Kaushik, Minakshi; Sharma, Rahul; Vidyarthi, Ankit; Draheim, Dirk New Trends in Database and Information Systems : ADBIS 2022 Short Papers, Doctoral Consortium and Workshops : DOING, K-GALS, MADEISD, MegaData, SWODCH, Turin, Italy, September 5-8, 2022 : proceedings 2022 / p. 188-197 https://doi.org/10.1007/978-3-031-15743-1_18 [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Efficient event log mining with LogClusterC

Zhuge, Chen; Vaarandi, Risto The Third IEEE International Conference on Big Data Security on Cloud, IEEE BigDataSecurity 2017 : The Third IEEE International Conference on High Performance and Smart Computing, IEEE HPSC 2017 : The Second IEEE International Conference on Intelligent Data and Security, IEEE IDS 2017 : proceedings : 26-28 May 2017, Beijing, China 2017 / p. 261-266 : tab <http://doi.org/10.1109/BigDataSecurity.2017.26>

Engineering of an effective automatic dynamic assertion mining platform

Ghasempouri, Tara; Malburg, Jan; Danese, Alessandro; Pravadelli, Graziano; Fey, Goerschwin; **Raik, Jaan** VLSI-SoC 2019 : 27th IFIP/IEEE International Conference on Very Large Scale Integration : [proceedings] 2019 / p. 111-116 : ill <https://doi.org/10.1109/VLSI-SoC.2019.8920331>

Evaluating Web systems on the basis of users' behavior modeling

Robal, Tarmo; Kalja, Ahto Info- ja kommunikatsioonitehnoloogia doktorikooli IKTDK kolmanda aastakonverentsi artiklite kogumik : 25.-26. aprill 2008, Voore külalistemaja 2008 / p. 64-67 : ill

Evaluations for improving web systems on the basis of users behaviour modelling

Robal, Tarmo; Kalja, Ahto Databases and information systems : proceedings of the Eighth International Baltic Conference, Baltic DBAMPIS 2008 : Tallinn, June 2-5, 2008 2008 / p. 229-240 : ill

Event log analysis with the LogCluster tool

Vaarandi, Risto; Kont, Markus; Pihelgas, Mauno 2016 IEEE Military Communications Conference : MILCOM 2016 : Baltimore, MD, USA, November 1-3, 2016 2016 / p. 982-987 <https://doi.org/10.1109/MILCOM.2016.7795458>

Exploring factors in a crossroad dataset using cluster-based association rule mining

Shahin, Mahtab; Heidari Iman, Mohammadreza; Kaushik, Minakshi; Sharma, Rahul; Ghasempouri, Tara; Draheim, Dirk Procedia Computer Science : The 13th International Conference on Ambient Systems, Networks and Technologies (ANT) / The 5th International Conference on Emerging Data and Industry 4.0 (EDI40) 2022 / p. 231-238 <https://doi.org/10.1016/j.procs.2022.03.032>
[Conference Proceedings at Scopus](#) [Article at Scopus](#)

Formal concepts in the theory of monotone systems = Formaalsed mõisted monotoonsete süsteemide teooria käsitluses

Torim, Ants 2009 https://www.ester.ee/record=b2540617*est

From determinacy analysis to zero factor free determinacy analysis and universal generator of hypotheses : development of algorithms = Determinatsioonanalüüsist nullfaktorivaba determinatsioonanalüüsi ja universaalse hüpoteeside generaatorini : algoritmide arendus

Lind, Grete 2017 <https://digi.lib.ttu.ee/ii/?9121>

Grand reports : a tool for generalizing association rule mining to numeric target values

Arakkal Peious, Sijo; Sharma, Rahul; Kaushik, Minakshi; Shah, Syed Attique; Ben Yahia, Sadok Big Data Analytics and Knowledge Discovery : 22nd International Conference, DaWaK 2020, Bratislava, Slovakia, September 14-17, 2020 : Proceedings 2020 / p. 28-37 https://doi.org/10.1007/978-3-030-59065-9_3 [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Conference Proceedings at WOS](#) [Article at WOS](#)

Hardware accelerators for information retrieval and data mining

Sklyarov, Valery; Skliarova, Ioulia; Silva, João; Sudnitsõn, Aleksander; Rjabov, Artjom 2015 International Conference on Information and Communication Technology Research (ICTRC2015) : Abu Dhabi, United Arab Emirates, May 17-19, 2015 2015 / p. 202-205 : ill <http://dx.doi.org/10.1109/ICTRC.2015.7156457>

Impact-driven discretization of numerical factors : case of two- and three-partitioning

Kaushik, Minakshi; Sharma, Rahul; Arakkal Peious, Sijo; Draheim, Dirk Big Data Analytics. BDA 2021 : 9th International Conference, BDA 2021, Virtual Event, December 15-18, 2021 : proceedings 2021 / p. 244-260 https://doi.org/10.1007/978-3-030-93620-4_18 [Conference Proceedings at Scopus](#) [Article at Scopus](#)

An insight into biological datamining based on rarity and correlation as constraints

Bouasker, Souad; Ben Yahia, Sadok; Diallo, Gayo SAC '19 : proceedings of the 34th ACM/SIGAPP Symposium on Applied Computing 2019 / p. 3-10 : ill <https://doi.org/10.1145/3297280.3297281> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

LogCluster - a data clustering and pattern mining algorithm for event logs

Vaarandi, Risto; Pihelgas, Mauno 11th International Conference on Network and Service Management, CNSM 2015 : Barcelona, Spain, November 9-13, 2015 2015 / p. 1-7

Making web users' domain models explicit by applying ontologies

Robal, Tarmo; Haav, Hele-Mai; Kalja, Ahto Advances in Conceptual Modeling - Foundations and Applications : ER 2007 Workshops CMLSA, FP-UML, ONISW, QoIS, RIGIM, SeCoGIS : Auckland, New Zealand, November 5-9, 2007 : proceedings 2007 / p. 170-179 https://link.springer.com/content/pdf/10.1007/978-3-540-76292-8_20.pdf

Manufacturing project management in the conglomerate enterprises supported by IDSS

Ševtšenko, Eduard; Karaulova, Tatjana; Kramarenko, Sergei; Wang, Y. Journal of achievements in materials and manufacturing engineering 2009 / 1, p. 94-102 : ill
https://www.researchgate.net/publication/306430743_Manufacturing_project_management_in_the_conglomerate_enterprises_supported_by_IDSS

Method for data mining - generator of hypotheses, databases & information systems

Lind, Grete Proceedings of the 4th IEEE International Baltic Workshop. Vol. 2 2000 / p. 304-305

MONOCLE method for knowledge discovery

Torim, Ants Info- ja kommunikatsioonitehnoloogia doktorikooli IKTDK kolmanda aastakonverentsi artiklite kogumik : 25.-26. aprill 2008, Voore külalistemaja 2008 / p. 111-114 : ill

New frequency pattern algorithm for data mining

Kuusik, Rein, inform.; Lind, Grete The 13th Turkish Symposium on Artificial Intelligence & Artificial Neural Networks : 10-11 June 2004, Izmir, Turkey 2004 / p. 47-54

A novel framework for unification of association rule mining, online analytical processing and statistical reasoning

Sharma, Rahul; Kaushik, Minakshi; Peious, Sijo Arakkal; Bazin, Alexandre; Shah, Syed Attique; Istok, Fister jr.; Ben Yahia, Sadok; Draheim, Dirk IEEE Access 2022 / p. 12792-12813 <https://doi.org/10.1109/ACCESS.2022.3142537> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Novel interestingness measures for mining significant association rules from imbalanced data

Abdellatif, Safa; Ben Hassine, Mohamed Ali; Ben Yahia, Sadok Web, Artificial Intelligence and Network Applications :Proceedings of the Workshops of the 33rd International Conference on Advanced Information Networking and Applications (WAINA-2019) 2019 https://doi.org/10.1007/978-3-030-15035-8_16 [Conference proceedings at Scopus](#) [Article at Scopus](#)

An analysis of human perception of partitions of numerical factor domains

Kaushik, Minakshi; Sharma, Rahul; Shahin, Mahtab; Peious, Sijo Arakkal; Draheim, Dirk Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics) ; Vol. 13635 LNCS 2022 / p. 137-144 https://doi.org/10.1007/978-3-031-21047-1_13 [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Conference Proceedings at WOS](#) [Article at WOS](#)

Pattern discovery using seriation and matrix reordering : a unified view, extensions and an application to inventory management = Muustrite avastamine kasutades järjestamist ning maatriksi ümberkorramist: unifiitseeritud vaade, edasiarendused ning rakendus ladude juhtimises

Liiv, Innar; Kuusik, Rein, inform. 2008 https://www.ester.ee/record=b2402187*est

Pattern mining as a clique extracting task

Kuusik, Rein, inform.; Lind, Grete; Vöhandu, Leo Tenth international conference IPMU 2004, Information processing and management of uncertainty in knowledge-based systems : July 4-9, 2004, Perugia, Italy 2004 / p. 19-20 : ill <https://www.scitepress.org/Papers/2004/26229/26229.pdf>

Personalized context-aware recommendations in SMARTMUSEUM : combining semantics with statistics

Liiv, Innar; Tammet, Tanel; Ruotsalo, Tuukka; Kuusik, Alar Proceedings of the Third International Conference on Advances in Semantic Processing (SEMAPPRO 2009) : Sliema, Malta, October 2009 2009 / p. 50-55 <https://ieeexplore.ieee.org/document/5291537>

Predicting student retention in TTU by using linear programming in data mining

Übi, Jaan; Übi, Evald 17th International conference on "Mathematical Modelling and Analysis" : June 6-9, 2012, Tallinn, Estonia : abstracts 2012 / p. 140

Predicting students' behavior during an e-learning course using data mining

Umbleja, Kadri; Ichino, Manabu Interactive Collaborative Learning : proceedings of the 19th ICL Conference. Volume 2 2017 / p. 175-189 http://dx.doi.org/10.1007/978-3-319-50340-0_14

Processing and filtering digital fault recorder events for load model estimation

Leinakse, Madis; Kilter, Jako 2021 IEEE PES Innovative Smart Grid Technologies Europe (ISGT-Europe), 8-21 October, 2021 : proceedings 2021 / 5 p <https://doi.org/10.1109/ISGTEurope52324.2021.9640026>

Productivity in innovation and new product development

Matsi, Birthe; Otto, Tauno; Roosimölder, Lembit Proceedings of the 7th International Conference of DAAAM Baltic Industrial Engineering : 22-24th April 2010, Tallinn, Estonia. [I] 2010 / p. 142-147 : ill

Relation learning with bar charts

Lints, Taivo IA'09 : IEEE Symposium on Intelligent Agents : Nashville, Tennessee, US, March 30-April 2, 2009 2009 / p. 77-83 <https://ieeexplore.ieee.org/document/4927503>

RTL assertion mining with automated RTL-to-TLM abstraction

Ghasempouri, Tara; Danese, Alessandro; Pravadelli, Graziano; Bombieri, Nicola; Raik, Jaan Proceedings of the 2019 Forum on specification & Design Languages (FDL) 2019 / 8 p. : ill <https://doi.org/10.1109/FDL.2019.8876941>

Some monotone systems algorithms for data mining

Vöhandu, Leo; Kuusik, Rein, inform.; Torim, Ants; Aab, Eik; Lind, Grete WSEAS transactions on information science and

A systematic assessment of numerical association rule mining methods

Kaushik, Minakshi; Sharma, Rahul; Arakkal Peious, Sijo; Shahin, Mahtab; Ben Yahia, Sadok; Draheim, Dirk SN Computer Science 2021 / art. 348 <https://doi.org/10.1007/s42979-021-00725-2> [Journal metrics at Scopus](#) [Article at scopus](#)

Towards unification of statistical reasoning, OLAP and association rule mining : semantics and pragmatics

Sharma, Rahul; Kaushik, Minakshi; Arakkal Peious, Sijo; Shahin, Mahtab; Draheim, Dirk Database Systems for Advanced Applications : 27th International Conference, DASFAA 2022, Virtual Event, April 11–14, 2022 : proceedings. Part I 2022 / p. 596–603 https://doi.org/10.1007/978-3-031-00123-9_48 [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Conference Proceedings at WOS](#) [Article at WOS](#)

An unsupervised framework for detecting anomalous messages from syslog log files

Vaarandi, Risto; Blumbergs, Bernhards; Kont, Markus Network operations and management symposium : cognitive mangement in a cyber world, 23-27 april 2018, Taipei, Taiwan 2018 / 6 p <http://doi.org/10.1109/NOMS.2018.8406283>

Using mandatory concepts for knowledge discovery and data structuring

Elloumi, Samir; **Ben Yahia, Sadok**; Al Ja'am, Jihad Database and Expert Systems Applications : 30th International Conference, DEXA 2019, Linz, Austria, August 26–29, 2019, Proceedings, Part II 2019 / p. 362 - 375 https://doi.org/10.1007/978-3-030-27618-8_27 [Conference proceeding at Scopus](#) [Article at Scopus](#) [Conference proceeding at WOS](#) [Article at WOS](#)

Uute mustrite avastamine järjestamise ja maatriksi ümberkorraldamisega : [autori doktoritööst]

Liiv, Innar Inseneeria 2009 / 8(9), lk. 44-46 : ill

Wind power variation identification using ramping behavior analysis

Mishra, Sambeet; Leinakse, Madis; Palu, Ivo Energy procedia 2017 / p. 565–571 : ill <https://doi.org/10.1016/j.egypro.2017.11.075>

Visual matrix explorer for collaborative seriation

Liiv, Innar; Öpik, Rain; Übi, Jaan; Stasko, John Wiley interdisciplinary reviews : computational statistics 2012 / p. 85-97 <https://www.deepdyve.com/lp/wiley/visual-matrix-explorer-for-collaborative-seriation-Mc5ryKrGod>

Visualization and data mining method for inventory classification

Liiv, Innar 2007 IEEE International Conference on Service Operations and Logistics, and Informatics : Philadelphia, USA, August 27-29, 2007 2007 / p. 472-477 <https://ieeexplore.ieee.org/document/4383909>