

医療情報学講座

著書

- 1) 平川正人, 小林聡, 津本周作, 平野章二 他: 島根大学学術リテラシー編集委員会編: 学術情報リテラシー, 島根大学, 32-50, 2007
- 2) Tsumoto S, Hirano S: Data mining: Foundations and practice, in Lin TY, Xie Y, Wasilewska A, Liau C-J(eds.), Heidelberg: Springer, 2008, pp.387-403
- 3) Tsumoto S, Hirano S: Data mining: Foundations and practice, in Lin TY, Xie Y, Wasilewska A, Liau C-J(eds.), Heidelberg: Springer, 2008, pp.405-421
- 4) Tsumoto S, Hirano S: Next generation of data mining risk mining as new trends in hospital management, in Kargupta H, Han J, Yu PS, Motwani R, Kumar V(eds.), Chapman Hall & CRC Press, 2008, pp.441-470
- 5) Tsumoto S, Hirano S: Social computing, behavioral modeling, and prediction clustering of trajectory data obtained from soccer game records -A first step to behavioral modeling, in Liu H, Salerno JJ, Young M J(eds.), Heidelberg: Springer, 2008, pp.69-78
- 6) Iwata S, Ohsawa Y, Tsumoto S, Zhong N, Shi Y, Magnani L(eds.): Communications and discoveries from multidisciplinary data vol.123, Heidelberg: Springer, 2008
- 7) Ras ZW, Tsumoto S, Zighed DA (eds.): Mining complex data, Heidelberg: Springer, 2008
- 8) Abe H, Tsumoto S, Ohsak M, Yamaguchi T: Evaluating learning algorithms to support human rule evaluation with predicting interestingness based on objective rule evaluation indices, in Iwata S, Ohsawa Y, Tsumoto S, Zhong N, Shi Y, Magnani L (eds.): Heidelberg: Springer, 2008, pp.269-282

学術論文

- 1) Tsumoto S: Attribute generalization and fuzziness in data mining contexts. RSFDGrC 2007 Proceedings (LNAI) 4482: 379-386, 2007
- 2) Tsumoto S: Meaning of pearson residuals - Linear algebra view. GrC 2007 Proceedings: 465-470, 2007
- 3) Tsumoto S: Mining diagnostic taxonomy and diagnostic rules for multi-stage medical diagnosis from hospital clinical data. GrC 2007 Proceedings: 611-616, 2007
- 4) Tsumoto S: Mining risk information in hospital information system as risk mining. IEEE CME 2007 Proceedings: 1948-1957, 2007
- 5) Tsumoto S, Hirano S: Contingency matrix theory. JCIS 2007 Proceedings, 2007
- 6) Tsumoto S, Hirano S: Detection of interesting rules using visualization of differences between rules' syntactic and semantic similarities using multidimensional scaling. International Journal

of Knowledge-Based and Intelligent Engineering Systems 11: 345-354, 2007

- 7) Tsumoto S, Hirano S: Risk mining. JCIS 2007 Proceedings, 2007
- 8) Tsumoto S, Hirano S: Visualization of differences between rules' syntactic and semantic similarities using multidimensional scaling. *Fundamental Informaticae* 78: 561-573, 2007
- 9) Tsumoto S, Hirano S: Contingency table and granularity. NAFIPS 2007 Proceedings: 665-669, 2007
- 10) Tsumoto S, Hirano S: Characteristics of Pearson residuals in a contingency matrix. IEEE ICCI 2007 Proceedings:195-204, 2007
- 11) Tsumoto S, Hirano S: Discovery of clusters from proximity data: An approach using iterative adjustment of binary classifications. CODATA 2007 Postproceedings: 251-268, 2007
- 12) Tsumoto S, Hirano S: Visualization of similarities and dissimilarities between rules using multidimensional scaling. *Lecture Notes in Computer Science* 4693: 978-986, 2007
- 13) Tsumoto S, Matsuoka K, Yokoyama S: Risk mining for infection control. CODATA 2007 Postproceedings: 283-301, 2007
- 14) Tsumoto S, Tsumoto Y, Matsuoka K, Yokoyama S: Risk mining in medicine: Application of data mining to medical risk management. *Web Intelligence Meets Brain Informatics (LNCS)4845*: 471-493, 2007
- 15) Hirano S, Tsumoto S: Cluster analysis of temporal trajectories of hospital laboratory examinations. *SPIE Proceedings* 6570: 150-158, 2007
- 16) Hirano S, Tsumoto S: Cluster analysis of trajectory data on hospital laboratory examinations. *AMIA Annu Symp Proceedings* 2007: 324-328, 2007
- 17) Hirano S, Tsumoto S: Discovery of exacerbating cases in chronic hepatitis based on cluster analysis of time-series platelet count data. *SPIE Proceedings*: 6570, 2007
- 18) Hirano S, Tsumoto S: Identifying exacerbating cases in chronic diseases based on the cluster analysis of trajectory data on laboratory examinations. *IEEE ICDM2008 Workshops Proceedings*: 151-156, 2007
- 19) Hirano S, Tsumoto S: Medical reasoning and rough sets. *RSEISP 2007 Proceedings (LNAI)4585*: 90-100, 2007
- 20) Hirano S, Tsumoto S: Temporal data mining in hospital information systems: Analysis of clinical courses of chronic hepatitis. *International Journal of Intelligent Computing in Medical Sciences and Image Processing* 1: 9-20, 2007
- 21) Hirano S, Tsumoto S: Trajectory analysis of laboratory tests as medical complex data mining. *MCD 2007 Postproceedings (LNCS)4944* : 27-41, 2007
- 22) Abe H, Tsumoto S, Ohsaki M, Yamaguchi T: Evaluating learning algorithms to support human rule evaluation with predicting interestingness based on objective rule evaluation indices. *CODATA 2007 Postproceedings*: 269-282, 2007

- 23) Abe H, Tsumoto S, Ohsaki M, Yamaguchi T: Evaluating a constructive meta-learning algorithm for a rule evaluation support method based on objective indices. KES 2007 Proceedings (LNCS)4693: 934-941, 2007
- 24) Abe H, Tsumoto S, Ohsaki M, Yamaguchi T: Evaluating learning algorithms to construct rule evaluation models based on objective rule evaluation indices. IEEE ICCI2007 Proceedings: 212-221, 2007
- 25) Abe H, Tsumoto S, Ohsaki M, Yamaguchi T: Evaluation of learning algorithms to construct valid rule evaluation models based on objective indices. JCIS 2007 Proceedings, 2007
- 26) Abe H, Tsumoto S, Ohsaki M, Yamaguchi T: Evaluation of learning costs of rule valuation models based on objective indices to predict human hypothesis construction phases. GrC 2007 Proceedings: 458-464, 2007
- 27) Abe H, Yokoi H, Tsumoto S, Ohsaki M, Yamaguchi T: Evaluating learning models with transitions of human interests based on objective rule evaluation indices. Stud Health Technol Inform 129: 581-585, 2007
- 28) Matsuoka K, Yokoyama S, Watanabe K, Tsumoto S: Data mining analysis of relationship between blood stream infection and clinical background in patients undergoing lactobacillus therapy. JSAI 2007 Postproceedings (LNAI)4914: 277-288, 2007
- 29) Matsuoka K, Yokoyama S, Watanabe K, Tsumoto S: Mining rules for risk factors on blood stream infection in hospital information system. IEEE BIBM 2007 Proceedings: 181-187, 2007
- 30) Ohsaki M, Hideao Abe, Tsumoto S, Yokoi H, Yamaguchi T: Valuation of rule interestingness measures in medical knowledge discovery in databases. Artificial Intelligence in Medicine 41: 177-196, 2007
- 31) 津本周作: リスクマイニングとその医療応用. 人工知能学会誌 22: 677-682, 2007
- 32) 津本周作, 平野章二: 複合医工学としてのデータマイニング. 人工知能学会誌 22: 201-207, 2007
- 33) 阿部秀尚, 平野章二, 津本周作: テキストマイニングによる退院時サマリーからの時系列関係知識抽出. 医療情報学 27: 33-38, 2007
- 34) 大崎美穂, 阿部秀尚, 津本周作, 横井英人, 山口高平: 医学知識発見におけるルールの興味深さ指標の評価. 情報処理学会論文誌 48: 1859-1873, 2007
- 35) 和泉多映子, 新見喜洋, 比良野正孝, 松岡喜美子, 横山茂樹, 津本周作, 原尾 政: 医療データマイニングを用いたリスクマネジメント. 日本臨床検査自動化学会誌 32: 26-33, 2007
- 36) 中林愛恵, 中國秀章, 津村弘人, 花田英輔: 包括医療の効率化のための DPC データの分析と可視化. 診療録管理 19: 61-64, 2007
- 37) Tsumoto S, Hirano S: Contingency matrix theory I: Rank and statistical independence in a contingency table. Transactions on Computational Science II 5150: 161-179, 2008

- 38) Tsumoto S, Hirano S: Statistical independence of multi-variables from the viewpoint of linear algebra. Lecture Notes in Computer Science 5306: 103-112, 2008
- 39) Tsumoto S, Tsumoto Y: Data mining-based hospital management. Journal of Chongqing University of Post and Telecommunications. 20: 309-323, 2008
- 40) Lin TY, Tsumoto S: Qualitative fuzzy sets and granularity. IEEE ICCI 2008 Proceedings 435-440, 2008
- 41) Hirano S, Tsumoto S: Discovery of risky cases in chronic diseases: An approach using trajectory grouping. Lecture Notes in Computer Science 4914: 289-302, 2008
- 42) Hirano S, Tsumoto S: Hierarchical clustering of non-Euclidean relational data using indiscernibility-level. Lecture Notes in Computer Science 5009: 332-339, 2008
- 43) Abe H, Tsumoto S: Analyzing behavior of objective rule evaluation indices based on a correlation coefficient. Lecture Notes in Computer Science 5306: 293-298, 2008
- 44) Abe H, Tsumoto S: Analyzing behavior of objective rule evaluation indices based on Pearson product-moment correlation coefficient. Lecture Notes in Computer Science 4994: 84-89, 2008
- 45) Abe H, Tsumoto S: Analyzing correlation coefficients of objective rule evaluation indices on classification rules. Lecture Notes in Computer Science 5009: 467-474, 2008
- 46) Abe H, Tsumoto S: Comparing accuracies of rule evaluation models to determine human criteria on evaluated rule sets. IEEE ICDM2008 Workshops Proceedings 1: 1-7, 2008
- 47) Abe H, Tsumoto S: Implementing a rule generation method based on secondary differences of two criteria. Lecture Notes in Computer Science 5178: 758-765, 2008
- 48) Abe H, Tsumoto S: Investigating accuracies of rule evaluation models on randomized labeling and human evaluation. GrC 2008 Proceedings: 95-100, 2008
- 49) Abe H, Tsumoto S, Ohsaki M, Yamaguchi T: Finding functional groups of objective rule evaluation indices using PCA. Lecture Notes in Computer Science 5345: 197-206, 2008
- 50) 津本周作, 平野章二, 津本優子: 医療リスクの計量化. 計量生物学 29: 155-176, 2008

学会発表

- 1) 花田英輔, 中國秀章, 八國秀子, 秦 美恵子, 吉岡みち子, 津本周作: ユビキタス時代の院内通信環境. 平成 18 年度大学病院情報マネジメント部門連絡会議. 松本, 2007 年 1 月
- 2) 阿部秀尚, 津本周作: ルール評価支援手法における有効な学習モデル構築に必要な最少訓練事例数の見積もり法. 人工知能学会 第 3 回データマイニングと統計数理研究会. 姫路, 2007 年 2 月
- 3) Abe H, Tsumoto S, Ohsaki M, Yokoi H, Yamaguchi T: Evaluation of learning costs of rule evaluation models based on objective indices to predict human hypothesis construction phases. The 2007 IEEE International Conference on Granular Computing (GrC2007). San Jose, April 2007

- 4) Tsumoto S, Hirano S: Cluster analysis of temporal trajectories of hospital laboratory examinations. SPIE Security and Defense 2007. Orlando, April 2007
- 5) Tsumoto S, Hirano S: Discovery of exacerbating cases in chronic hepatitis based on cluster analysis of time-series platelet count data. SPIE Security and Defense 2007. Orlando, April 2007
- 6) 津本周作: 病院情報システムによる診療情報の計量化. 計量生物学会全国大会. 東京, 2007年4月
- 7) Hirano S, Tsumoto S: Cluster analysis of trajectory data on hospital laboratory examinations. AMIA Annual Symposium 2007. Chicago, April 2007
- 8) Tsumoto S, Hirano S: Meaning of Pearson residuals - Linear algebra view. International Conference on Granular Computing. San Jose, April 2007
- 9) Hirano S, Tsumoto S: Grouping similar trajectories in hospital laboratory data. 2007 IEEE/ICME International Conference on Complex Medical Engineering (CME 2007). Beijing, May 2007
- 10) Abe H, Tsumoto S, Yokoi H, Ohsaki M, Yamaguchi T: Evaluating learning costs to predict human interests with rule evaluation models based on objective indices. 2007 IEEE/ICME International Conference on Complex Medical Engineering (CME 2007). Beijing, May 2007
- 11) Matsuoka K, Yokoyama S, Watanabe K, Tsumoto S: Data mining analysis of relationship between blood stream infection and clinical background. IEEE ICCI 2007. Beijing, May 2007
- 12) Hirano S, Tsumoto S: Clustering trajectory of laboratory data. 2007 IEEE/ICME International Conference on Complex Medical Engineering (CME 2007). Beijing, May 2007
- 13) Tsumoto S: Mining risk information in hospital information system as risk mining. 2007 IEEE/ICME International Conference on Complex Medical Engineering (CME 2007). Beijing, May 2007
- 14) Tsumoto S: Attribute generalization and fuzziness in data mining contexts. RSFDGrC 2007. Toronto, May 2007
- 15) 阿部秀尚, 平野章二, 津本周作: テキストマイニングによる退院時サマリーからの時系列関係知識抽出. 第 11 回日本医療情報学会春季学術大会(シンポジウム 2007) 大阪, 2007年6月
- 16) 安田 晃, 平野章二, 阿部秀尚, 中國秀章, 花田英輔, 津本周作: 情報科学演習における事前発表会の効果. 第 8 回日本医療情報学会看護学術大会. 福岡, 2007年6月
- 17) 阿部秀尚, 津本周作, 横井英人, 大崎美穂, 山口高平: 客観的指標群に基づくクラスタリングと主観的評価基準の比較. 2007年度人工知能学会全国大会(第 21 回). 宮崎, 2007年6月
- 18) 内藤憲吾, 平林 悟, 阿部秀尚, 山口高平: テクニカル指標組合せルール学習に基づく投資家意志決定支援. 2007年度人工知能学会全国大会(第 21 回). 宮崎, 2007年6月

- 19) Matsuoka K, Yokoyama S, Watanabe K, Tsumoto S: Data mining analysis of relationship between blood stream infection and clinical background in patients undergoing lactobacillus therapy. JSAI 2007 Workshop on Risk Mining. Miyazaki, June 2007
- 20) Hirano S, Tsumoto S: Discovery of risky cases in chronic diseases: An approach using trajectory grouping. JSAI 2007 Workshop on Risk Mining. Miyazaki, June 2007
- 21) Tsumoto S: Pawlak memorial panel. RSSEIP 2007. Warsaw, June 2007
- 22) Tsumoto S: Medical reasoning and rough sets. RSSEIP 2007. Warsaw, June 2007
- 23) Abe H, Tsumoto S, Ohsaki M, Yamaguchi T: Evaluating learning algorithm selection method for a rule evaluation support tool based on objective indices. ADIS European Conference on Data Mining (ECDM2007). Lisbon, July 2007
- 24) 安田 晃, 平野章二, 阿部秀尚, 中國秀章, 花田英輔, 津本周作: 情報科学演習における学習行動の類似性評定. 第 39 回日本医学教育学会大会. 盛岡, 2007 年 7 月
- 25) Abe H, Tsumoto S, Ohsaki M, Yokoi H, Yamaguchi T: Evaluation of learning algorithms to construct valid rule evaluation models based on objective indices. JCIS 2007. Salt Lake City, July 2007
- 26) Matsuoka K, Yokoyama S, Watanabe K, Tsumoto S: Risk mining for infection control. JCIS 2007. Salt Lake City, July 2007
- 27) Tsumoto S, Hirano S: Contingency matrix theory I. JCIS 2007. Salt Lake City, July 2007
- 28) Hanada E, Nakakuni H, Kudou T, Sullivan CV, Hata E, Yakuni H, Yoshioka M, Tsumoto S: Safe and efficient use of wireless communication in a large hospital. Medinfo 2007. Brisbane, August 2007
- 29) Abe H, Tsumoto S, Ohsaki M, Yokoi H, Yamaguchi T: Evaluating learning models with transitions of human interests based on objective rule evaluation indices. Medinfo 2007. Brisbane, August 2007
- 30) Abe H, Tsumoto S, Ohsaki M, Yokoi H, Yamaguchi T: Evaluating learning algorithms to construct rule evaluation models based on objective rule evaluation indices. IEEE ICCI 2007. Lake Tahoe, August 2007
- 31) Tsumoto S, Hirano S: Characteristics of Pearson residuals in a contingency matrix. IEEE ICCI 2007. Lake Tahoe, August 2007
- 32) 安田 晃, 平野章二, 阿部秀尚, 中國秀章, 花田英輔, 津本周作: 医学部学生のパーソナリティ特性と情報科学における初期能力の推定. 日本行動計量学会第 35 回大会. 京都, 2007 年 9 月
- 33) 高橋伸介, 中林愛恵, 近藤雅文, 浅田祥子, 多久和司富, 中國秀章, 花田英輔, 津本周作: スキャナーシステム運用の検討. 第 33 回日本診療録管理学会学術大会. 京都, 2007 年 9 月
- 34) Abe H, Hirabayashi S, Ohsaki M, Yamaguchi T: Evaluating a trading rule mining method

- based on temporal pattern extraction. 3rd International Workshop on Mining Complex Data (MCD 2007). Warsaw, September 2007
- 35) Hirano S, Tsumoto S: Trajectory analysis of laboratory tests as medical complex data mining. 3rd International Workshop on Mining Complex Data (MCD 2007). Warsaw, 2007 年 9 月
 - 36) Hirano S, Tsumoto S: Indiscernibility-based clustering of non-Euclidean relational data. International Workshop on Rough Sets in Knowledge Discovery (RSKD 2007). Warsaw, September 2007
 - 37) Hirano S, Tsumoto S: Unsupervised grouping of trajectory data on laboratory examinations for finding exacerbating cases in chronic diseases. 3rd International Workshop on Mining Complex Data (MCD 2007). Warsaw, September 2007
 - 38) Tsumoto S, Hirano S: Visualization of similarities and dissimilarities between rules using multidimensional scaling. 11th International Conference on Knowledge-Based Intelligent Information and Engineering Systems. Vietri sul Mare, September 2007
 - 39) Abe H, Tsumoto S, Ohsaki M, Yamaguchi T: Evaluating a constructive meta-learning algorithm for a rule evaluation support method based on objective indices. The 11th International Conference on Knowledge-Based Intelligent Information and Engineering Systems (KES2007). Vietri sul Mare, September 2007
 - 40) Abe H, Yokoi H, Ohsaki M, Yamaguchi T: Developing an integrated time-series data mining environment for medical data mining. IEEE Workshop of Data Mining in Medicine In conjunction with IEEE International Conference on Data Mining 2007 (DMMed2007). Omaha, October 2007
 - 41) Matsuoka K, Yokoyama S, Kunitomo Watanabe, Tsumoto S: Analysis of relationship between blood stream infection and clinical background in patients' lactobacillus therapy by data mining. IEEE Workshop of Data Mining in Medicine In conjunction with IEEE International Conference on Data Mining 2007 (DMMed2007). Omaha, October 2007
 - 42) Hirano S, Tsumoto S: Identifying exacerbating cases in chronic diseases based on the cluster analysis of trajectory data on laboratory examinations. IEEE Workshop on Data Mining in Medicine 2007 (DMMed 2007). Omaha, October 2007
 - 43) Hirano S, Tsumoto S: Identifying exacerbating cases in chronic diseases based on the cluster analysis of trajectory data on laboratory examinations. IEEE Workshop of Data Mining in Medicine In conjunction with IEEE International Conference on Data Mining 2007 (DMMed2007). Omaha, October 2007
 - 44) Abe H, Tsumoto S, Ohsaki M, Yamaguchi T: Evaluating learning algorithms for a rule evaluation support method. The 2007 IEEE International Conference on Systems, Man and Cybernetics (SMC2007). Motreal, October 2007
 - 45) Tsumoto S: Dealing with granularity on non-Euclidean relational data using indiscernibility

- grouping. The 2007 IEEE International Conference on Systems, Man and Cybernetics (SMC2007). Montreal, October 2007
- 46) Tsumoto S, Hirano S: Contingency matrix theory. The 2007 IEEE International Conference on Systems, Man and Cybernetics (SMC2007). Montreal, October 2007
 - 47) Tsumoto S: Risk mining in medicine. CODATA 2007. Beijing, October 2007
 - 48) Tsumoto S, Hirano S: Clustering trajectory of soccer data. CODATA 2007. Beijing, October 2007
 - 49) Hirano S, Tsumoto S: Cluster analysis of trajectory data on hospital laboratory examinations. AMIA Fall Symposium 2007. Chicago, November 2007
 - 50) 阿部秀尚, 津本周作: オーダー入力状況を考慮したオーダー修正要因分析. 第27回医療情報学連合大会. 神戸, 2007年11月
 - 51) 安田 晃, 平野章二, 阿部秀尚, 中國秀章, 花田英輔, 津本周作: 新入生がいただくコンピュータに対する意識の定量的分析. 第27回医療情報学連合大会. 神戸, 2007年11月
 - 52) 高橋伸介, 中林愛恵, 近藤雅文, 浅田祥子, 多久和司富, 中國秀章, 花田英輔, 津本周作: スキャナーシステムの運用検討. 第27回医療情報学連合大会. 神戸, 2007年11月
 - 53) Abe H, Tsumoto S, Ohsaki M, Yokoi H, Yamaguchi T: Evaluation of learning costs of rule evaluation models based on objective indices to predict human hypothesis construction phases. IEEE GrC2007. Fremont, November 2007
 - 54) Tsumoto S: Mining rules for risk factors on blood stream infection in hospital information system. IEEE BIBM. Fremont, November 2007
 - 55) Tsumoto S: Mining diagnostic taxonomy and diagnostic rules for multi-stage medical diagnosis from hospital clinical data. IEEE GrC2007. Fremont, November 2007
 - 56) Tsumoto S, Hirano S: Meaning of Pearson residuals - Linear algebra view. IEEE GrC2007. Fremont, November 2007
 - 57) 平野章二, 津本周作: 構造的類似性に着目した多変量時系列医療データのクラスタ分析. 第70回情報処理学会全国大会. 筑波, 2008年3月
 - 58) Tsumoto S, Hirano S: Trajectory mining. SBP 2008. Pheonix, April 2008
 - 59) Hirano S, Tsumoto S: Hierarchical clustering of non-Euclidean relational data using indiscernibility-level. The 3rd International Conference on Rough Sets and Knowledge Technology (RSKT2008). Chengdu, April 2008
 - 60) Abe H, Tsumoto S: Analyzing correlation coefficients of objective rule evaluation indices on classification rules. The 3rd International Conference on Rough Sets and Knowledge Technology (RSKT2008). Chengdu, May 2008
 - 61) Abe H, Tsumoto S: Analyzing behavior of objective rule evaluation indices based on Pearson product-moment correlation coefficient. The 17th International Symposium on Methodologies for Intelligent Systems (ISMIS 2008). Tronto, May 2008

- 62) Tsumoto S, Hirano S, Abe H: Statistical independence of three variables and contingency matrix. NAFIPS 2008. New York, May 2008
- 63) Tsumoto S, Hirano S, Abe H: Statistical independence of multi-way tables. NAFIPS 2009. New York, May 2008
- 64) Tsumoto S, Hirano S: Detection of risk factors as temporal data mining. PAKDD 2008 Workshop. Osaka, May 2008
- 65) Tsumoto S: Data mining-based hospital management. IFKT 2008. Chongqing, May 2008
- 66) Tsumoto S: Data mining and knowledge technology. IFKT 2008. Chongqing, May 2008
- 67) 杉山喜昭, 阿部秀尚, 平林 悟, 山口高平: 時系列パターン抽出に基づく個人投資家意志決定支援システムの実現. 第 22 回人工知能学会全国大会. 旭川, 2008 年 6 月
- 68) Tsumoto S, Hirano S: Mining trajectories of laboratory data using multiscale matching and clustering. IEEE CBMS 2008. Jyväskylä, June 2008
- 69) 安田 晃, 平野章二, 阿部秀尚, 中國秀章, 花田英輔, 津本周作: 情報科学演習発表会における顕在的評価と潜在的評価の定量性. 第 9 回日本医療情報学会看護学術大会. 東京, 2008 年 7 月
- 70) 安田 晃, 平野章二, 阿部秀尚, 中國秀章, 花田英輔, 津本周作: 新入生がいただくコンピュータ操作に対する不安の程度とその内容. SAS ユーザー総会 2008. 東京, 2008 年 7 月
- 71) 安田 晃, 平野章二, 阿部秀尚, 中國秀章, 花田英輔, 津本周作: 情報科学演習での学生によるグループ間, グループ内評価の定量的意義. 第 40 回日本医学教育学会. 東京, 2008 年 7 月
- 72) 浅田祥子, 中林愛恵, 近藤雅文, 高橋伸介, 花田英輔, 津本周作: 保険診療に係る診療科別診療録記載研修会の報告と検討. 第 34 回日本診療録管理学会学術大会. 東京, 2008 年 8 月
- 73) Abe H, Tsumoto S: Investigating accuracies of rule evaluation models on randomized labeling and human evaluation. IEEE International Conference on Granular Computing 2008 (GrC2008). Hangzhou, August 2008
- 74) Tsumoto S, Hirano S, Abe H: Statistical independence in contingency tables. IEEE International Conference on Granular Computing 2008 (GrC2008). Hangzhou, August 2008
- 75) Hirano S, Tsumoto S: Hierarchical clustering of asymmetric proximity data based on the indiscernibility-level. IEEE International Conference on Granular Computing 2008 (GrC2008). Hangzhou, August 2008
- 76) Tsumoto S, Hirano S: Fuzziness from attribute generalization in information table. IEEE ICI 2008. Stanford, August 2008
- 77) Tsumoto S, Hirano S: Statistical independence in three-variables contingency cube. IEEE ICCI 2008. Stanford, August 2008
- 78) Abe H, Tsumoto S: Analyzing behavior of objective rule evaluation indices based on a

- correlation coefficient. The 12th International Conference on Knowledge-Based Information and Engineering Systems (KES 2008). Zagreb, September 2008
- 79) 阿部秀尚, 杉山喜昭, 山口高平: 時系列パターン抽出に基づく株売買ルール生成手法の評価. 人工知能学会 第1回ファイナンスにおける人工知能応用研究会. 東京, 2008年9月
 - 80) 安田 晃, 平野章二, 阿部秀尚, 中國秀章, 花田英輔, 津本周作: 新入生がいただくコンピュータ操作に対する不安の程度とその内容. 日本行動計量学会第36回大会. 東京, 2008年9月
 - 81) Hirano S, Tsumoto S: A method for detecting suspicious regions in mammograms based on multiscale image filtering and regression-line analysis. 6th International Forum on Multimedia and Image Processing. Hawaii, September 2008
 - 82) Abe H, Tsumoto S: Implementing a rule generation method based on secondary differences of two criteria. The 6th International Conference on Rough Sets and Current Trends of Computing. Akron, October 2008
 - 83) Tsumoto S, Hirano S: Statistical independence of multi-variables from the viewpoint of linear algebra. The 6th International Conference on Rough Sets and Current Trends of Computing. Akron, October 2008
 - 84) Abe H, Tsumoto S, Ohsaki M, Yamaguchi T: Finding functional groups of objective rule evaluation indices using PCA. The 7th International Conference on Practical Aspects of Knowledge Management. Yokohama, November 2008
 - 85) 阿部秀尚, 津本周作: オーダー周辺情報を利用した処方オーダー変更要因分析. 第28回医療情報学連合大会. 横浜, 2008年11月
 - 86) 安田 晃, 平野章二, 阿部秀尚, 中國秀章, 花田英輔, 津本周作: 新入生がいただくコンピュータ不安の構造に関する定量分析. 第28回医療情報学連合大会. 横浜, 2008年11月
 - 87) 中林愛恵, 花田英輔, 津本周作: 散布図作成によるDPC情報の可視化. 第28回医療情報学連合大会. 横浜, 2008年11月
 - 88) 中國秀章, 近藤雅文, 岩田春子, 花田英輔: 電子クリニカルパスの初期導入時検証方法の検討. 第28回医療情報学連合大会. 横浜, 2008年11月
 - 89) 津本周作: データを元にした病院管理学の新たな展開. 情報とシステム 2008. 東京, 2008年11月
 - 90) Abe H, Tsumoto S: Comparing accuracies of rule evaluation models to determine human criteria on evaluated rule sets. The Second International Conference on Reliability Issues in Knowledge Discovery. Pisa, December 2008
 - 91) Tsumoto S, Hirano S: Statistical independence and contingency matrix. ICDM 2008 Workshop. Pisa, December 2008