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Impact Study of Attribute Selection Techniques on Naïve Bayes Spam Filters -- The Impact of Noise in Spam Filtering: A Case Study -- Designing Specific Weighted Similarity Measures to Improve Collaborative Filtering Systems -- Browsing Assistance Service for Intranet Information Systems -- WebAngels Filter: A Violent Web Filtering Engine Using Textual and Structural Content-Based Analysis -- Mining Unexpected Web Usage Behaviors -- Information Retrieval -- Generalized Graph Matching for Data Mining and Information Retrieval -- Industrial Applications -- Contrast-Set Mining of Aircraft Accidents and Incidents -- Using Data Mining to Build Integrated Discrete Event Simulations -- Control Charts of Workflows -- Frequent Item Set, Sequence Mining -- Maximum Margin Active Learning for Sequence Labeling with Different Length -- An Efficient Similarity Searching Algorithm Based on Clustering for Time Series -- Efficient String Mining under Constraints Via the Deferred Frequency Index -- Aspects of Data Mining -- Autonomous Forex Trading Agents -- An Exploration into the Power of Formal Concept Analysis for Domestic Violence Analysis -- Leatherbacks Matching by Automated Image Recognition.

| Sommario/riassunto | ICDM / MLDM Medaillie (limited edition) Meissner Porcellan, the "White Gold" of King August the Strongest of Saxonia ICDM 2008 was the eighth event of the Industrial Conference on Data Mining held in Leipzig (www.data-mining-forum.de). For this edition the Program Committee received 116 submissions from 20 countries. After the peer-review process, we accepted 36 high-quality papers for oral presentation, which are included in these proceedings. The topics range from aspects of classification and prediction, clustering, Web mining, data mining in medicine, applications of data mining, time series and frequent pattern mining, and association rule mining. Thirteen papers were selected for poster presentations that are published in the ICDM Poster Proceeding Volume. In conjunction with ICDM there were three workshops focusing on special hot application-oriented topics in data mining. The workshop Data Mining in Life Science DMLS 2008 was held the third time this year and the workshop Data Mining in Marketing DMM 2008 ran for the second time this year. Additionally, we introduced an International Workshop on Case-Based Reasoning for Multimedia Data CBR-MD. |