

پژوهش شماره 1

مجتبی هروی

منابع داده کاوی

- [1].Data Mining: Practical Machine Learning Tools and Techniques (2011)
By Ian H. Witten, Eibe Frank, Mark A. Hall, Geoffrey Holmes
- [2].Data Mining: Concepts and Techniques (2012) By Jiawei Han, Micheline Kamber, Jian Pei
- [3].Data Mining: A Knowledge Discovery Approach (2010) By Krzysztof J. Cios, Witold Pedrycz, Roman W. Swiniarski, Lukasz Andrzej Kurgan
- [4].Data Mining: Know It All (2009) By Soumen Chakrabarti, Earl Cox, et al
- [5].Data Mining: Concepts, Models, Methods, and Algorithms, Second Edition (2011) By Mehmed Kantardzic
- [6].Java Data Mining: Strategy, Standard, and Practice: a Practical Guide for Architecture, Design, and Implementation (2007) By Mark F. Hornick, Erik Marcadé, Sunil Venkayala

نرم افزارهای مخصوص داده کاوی

Software Name	License Type	Data Mining Approaches	Currently Available?
ADAPA Enterprise Edition	Commercial Licence	Classification Discovery, Cluster Discovery, Regression Discovery, Data Visualisation	Yes
ADAPA Predictive Analytics	Commercial Licence	Classification Discovery, Cluster Discovery, Regression Discovery, Association Discovery	Yes
Angoss KnowledgeSEEKER	Commercial Licence	Classification Discovery, Discovery Visualisation	Yes
ANGOSS KnowledgeSTUDIO	Commercial Licence	Classification Discovery, Cluster Discovery, Data Visualisation, Discovery Visualisation	Yes
GeneXproTools 4.0	Commercial Licence	Classification Discovery, Regression Discovery, Data Visualisation, Discovery Visualisation, Sequence Analysis	Yes
ARMiner	Free - Open Source Licence	Association Discovery	Yes
ARTool	Free - Open Source Licence	Association Discovery	Yes
Analysis Studio	Commercial Licence	Classification Discovery, Regression Discovery, Outlier Discovery	Yes
Angoss StrategyBUILDER	Commercial Licence	Cluster Discovery, Regression Discovery, Data Visualisation, Discovery Visualisation	Yes
BLIASoft Knowledge Discovery	Commercial Licence	Classification Discovery, Regression Discovery, Association Discovery, Data Visualisation	Yes
Bayes Server	Commercial Licence	Classification Discovery, Cluster Discovery, Regression Discovery, Outlier Discovery, Discovery Visualisation, Sequence Analysis	Yes
CART® (Classification and Regression Trees)	Commercial Licence	Classification Discovery	Yes
Compumine Rule Discovery System	Free - Other Licence	Classification Discovery, Regression Discovery, Data Visualisation, Discovery Visualisation	Yes
Mil Shield	Commercial Licence		Yes

Software Name	License Type	Data Mining Approaches	Currently Available?
DMax Chemistry Assistant	Commercial Licence		Yes
Data Applied	Commercial Licence	Classification Discovery, Cluster Discovery, Association Discovery, Outlier Discovery, Data Visualisation, Discovery Visualisation, Web Analytics	Yes
DataDetective	Commercial Licence	Classification Discovery, Cluster Discovery, Association Discovery, Text Mining, Outlier Discovery, Data Visualisation, Discovery Visualisation	Yes
Eaagle Full Text Mapper (FTM)	Commercial Licence	Classification Discovery, Cluster Discovery, Regression Discovery, Association Discovery, Text Mining, Outlier Discovery, Data Visualisation, Discovery Visualisation, Sequence Analysis, Web Analytics, Social Network Analysis	Yes
Viscovery	Commercial Licence	Classification Discovery, Cluster Discovery, Regression Discovery, Text Mining, Outlier Discovery, Data Visualisation, Discovery Visualisation, Web Analytics	Yes
1st-Profit	Commercial Licence		Yes
GMDH Shell	Commercial Licence	Classification Discovery, Regression Discovery, Data Visualisation, Discovery Visualisation, Sequence Analysis	Yes
Gait-CAD	Free - Open Source Licence	Classification Discovery, Cluster Discovery, Regression Discovery, Data Visualisation	Yes
GenIQ	Commercial Licence	Regression Discovery	Yes
GhostMiner	Commercial Licence	Classification Discovery, Cluster Discovery, Outlier Discovery, Data Visualisation	Yes
Helium Scraper	Commercial Licence	Text Mining, Web Analytics	Yes
KXEN Analytic Framework	Commercial Licence	Classification Discovery, Cluster Discovery, Regression Discovery, Association Discovery, Text Mining, Outlier Discovery, Data Visualisation, Sequence Analysis, Web Analytics, Social Network Analysis	Yes
KEEL (Knowledge Extraction based on	Free - Other Licence	Classification Discovery, Cluster Discovery, Regression Discovery,	Yes

Software Name	License Type	Data Mining Approaches	Currently Available?
Evolutionary Learning)		Association Discovery, Data Visualisation, Discovery Visualisation	
Angoss KnowledgeSEEKER for salesforce.com	Commercial Licence	Text Mining, Data Visualisation	Yes
MARS® (Multivariate Adaptive Regression Splines)	Commercial Licence	Regression Discovery, Outlier Discovery	Yes
MDR	Free - Open Source Licence	Classification Discovery, Association Discovery	Yes
Magnum Opus Demo	Free - Other Licence	Association Discovery	Yes
Magnum Opus	Commercial Licence	Association Discovery	Yes
Mil Firewall	Commercial Licence	Social Network Analysis	Yes
Mil Shield	Commercial Licence	Classification Discovery	Yes
11Ants Model Builder	Commercial Licence	Classification Discovery , Regression Discovery, Outlier Discovery	Yes
Molegro Data Modeller	Commercial Licence	Cluster Discovery , Regression Discovery, Outlier Discovery, Data Visualisation, Discovery Visualisation	Yes
Mozenda	Unknown Licence		Yes
NovoSpark Visualizer	Commercial Licence	Classification Discovery, Cluster Discovery, Data Visualisation, Discovery Visualisation , Sequence Analysis	Yes
OmniAnalyser	Commercial Licence	Cluster Discovery, Association Discovery , Text Mining, Data Visualisation, Discovery Visualisation , Web Analytics, Social Network Analysis	Yes
perSimplex	Commercial Licence	Cluster Discovery, Data Visualisation, Discovery Visualisation	Yes
Plug&Score Modeler	Commercial Licence	Classification Discovery , Regression Discovery, Data Visualisation	Yes
PolyAnalyst	Commercial Licence	Classification Discovery, Cluster Discovery , Regression Discovery, Text Mining, Outlier Discovery, Data Visualisation , Social Network Analysis	Yes

Software Name	License Type	Data Mining Approaches	Currently Available?
R	Free - Open Source Licence	Classification Discovery, Cluster Discovery , Regression Discovery, Association Discovery , Text Mining, Outlier Discovery, Data Visualisation, Discovery Visualisation , Sequence Analysis, Web Analytics, Social Network Analysis	Yes
RandomForests®	Commercial Licence		Yes
RapAnalyst	Commercial Licence	Data Visualisation, Discovery Visualisation, Classification Discovery, Cluster Discovery, Association Discovery , Outlier Discovery	Yes
RapidMiner	Free - Open Source Licence	Classification Discovery, Cluster Discovery , Regression Discovery, Association Discovery , Text Mining, Outlier Discovery, Data Visualisation	Yes
SAS Enterprise Miner	Commercial Licence	Classification Discovery, Cluster Discovery , Regression Discovery, Association Discovery , Outlier Discovery, Data Visualisation , Web Analytics	Yes
Senn	Unknown Licence		Unknown
SPAD	Commercial Licence	Classification Discovery, Cluster Discovery , Regression Discovery, Association Discovery , Text Mining, Outlier Discovery, Data Visualisation, Discovery Visualisation , Social Network Analysis	Yes
SPAD Data Mining	Commercial Licence	Classification Discovery, Cluster Discovery , Regression Discovery, Association Discovery , Text Mining, Data Visualisation, Discovery Visualisation	Yes
SPM (Salford Systems Predictive Mining Suite)	Commercial Licence	Classification Discovery, Cluster Discovery , Regression Discovery, Association Discovery , Outlier Discovery, Data Visualisation, Discovery Visualisation , Sequence Analysis, Web Analytics	Yes
Clementine	Commercial Licence	Classification Discovery, Cluster Discovery , Regression Discovery, Association Discovery , Text Mining, Outlier Discovery, Data Visualisation, Discovery Visualisation , Sequence Analysis, Web Analytics, Social Network Analysis	Yes

Software Name	License Type	Data Mining Approaches	Currently Available?
SQL Server Data Mining	Commercial Licence	Classification Discovery, Cluster Discovery , Regression Discovery, Association Discovery , Text Mining, Outlier Discovery, Data Visualisation, Discovery Visualisation , Sequence Analysis	Yes
STATISTICA Data Miner	Commercial Licence	Classification Discovery, Cluster Discovery , Regression Discovery, Association Discovery , Text Mining, Outlier Discovery, Data Visualisation, Discovery Visualisation , Sequence Analysis, Web Analytics, Social Network Analysis	Yes
Screenscraper	Commercial Licence	Text Mining	Yes
SharperLight	Commercial Licence	Classification Discovery, Data Visualisation, Discovery Visualisation , Web Analytics	Yes
Tiberius	Commercial Licence	Data Visualisation, Classification Discovery, Discovery Visualisation , Outlier Discovery	Yes
TreeNet®	Commercial Licence		Yes
Viscovery SOMine	Commercial Licence	Classification Discovery, Cluster Discovery, Data Visualisation, Discovery Visualisation	Yes
Viscovery	Commercial Licence	Classification Discovery, Cluster Discovery , Text Mining, Data Visualisation	Yes
VisuMap	Commercial Licence	Classification Discovery, Cluster Discovery, Association Discovery , Text Mining, Outlier Discovery, Data Visualisation, Discovery Visualisation , Sequence Analysis	Yes
Weka	Free - Open Source Licence	Classification Discovery, Cluster Discovery, Association Discovery , Outlier Discovery, Data Visualisation, Discovery Visualisation	Yes
Younicycle The Online Database	Unknown Licence	Classification Discovery , Regression Discovery, Association Discovery , Text Mining, Data Visualisation, Discovery Visualisation , Sequence Analysis	Yes

پربردترین نرم افزارهای داده کاوی در سال 2011-2012

1. Rapid Miner
2. R
3. Weka or Pentaho
4. SAS
5. IBM SPSS Statistics
6. IBM SPSS Modeller
7. Statistica