Master of Technology in Knowledge Engineering

Data Mining Tools Survey and Demo

Dr. Zhu Fangming
Institute of Systems Science,
National University of Singapore.

E-mail: isszfm@nus.edu.sg

© 2018 NUS. The contents contained in this document may not be reproduced in any form or by any means, without the written permission of NUS ISS, other than for the purpose for which it has been supplied.



Agenda for Day1

- Data Mining What and Why?
- Applications Overview
- Identifying and planning data mining projects
- Data Mining Planning Workshop
- Data Mining Tools Overview/Demo

We are here



www.kdnuggets.com

About 100 software suites listed!



Some Popular Commercial Tools

- SAS (Enterprise Guide/Miner)
- **IBM SPSS Modeler**
- Angoss Knowledge Studio
- Salford Systems (CART, MARS)

Popular Freeware

- Rattle (R)
- **Python**
- Weka
- RapidMiner
- KNIME
- Orange



Jobs - Industry | Academic Meetings, Conferences Companies (Consulting, Products) Courses in Big Data, Data Science Datasets (APIs/Markets, Gov) Data Mining Course | Gregory Piatetsky Education (online, USA, Europe, cert) FAQ | Polls | Publications (Books) Solutions (Fraud, Data Cleaning) Webcasts | Websites (Blogs, Cartoons, Podcasts)



Informs Rusiness Analytics Conf. Apr 15-17

- Top 10 TED Talks for Data Scientists and Machine Learni...
- · Regularization in Machine Learning
- . How Docker Can Help You Become A More Effective Data
- KDnuggets 18:n02, Jan 10: Quantum Machine Learning; Al



ODSC East, Save 65%

Latest poll results: Artificial General Intelligence (AGI) in less than 50 years, say KDnuggets readers



Subscribe to KDnuggets News





Regis MS in Data Science



MS in Analytics at USF - Big Data Requires Big







Gartner Research: Advanced Analytics Platforms

Gartner 2017 Magic Quadrant for Advanced Analytics Platforms

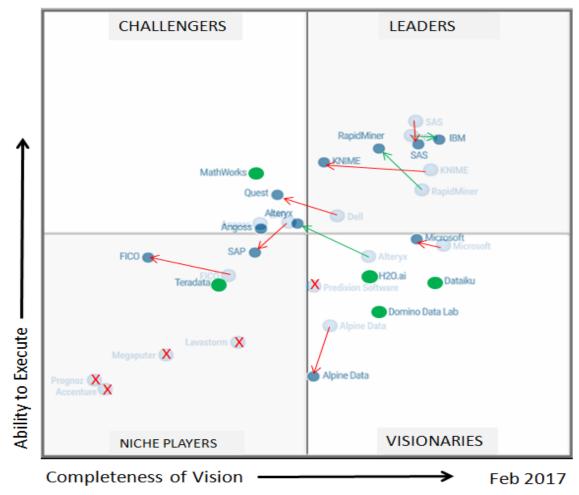






Gartner Research: Advanced Analytics Platforms

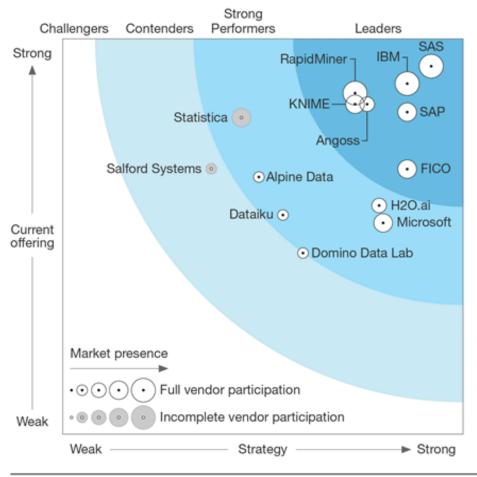
Gartner Magic Quadrants for Advanced Analytics Platforms compared, 2016 vs 2017





Forrester Research: Predictive Analytics And Machine Learning

The Forrester Wave™: Predictive Analytics And Machine Learning Solutions, Q1 2017



FORRESTER RESEARCH
The Forrester Wave™
Go to Forrester.com
to download the
Forrester Wave tool for
more detailed product
evaluations, feature
comparisons, and
customizable rankings.

129452

Source: Forrester Research, Inc. Unauthorized reproduction, citation, or distribution prohibited.

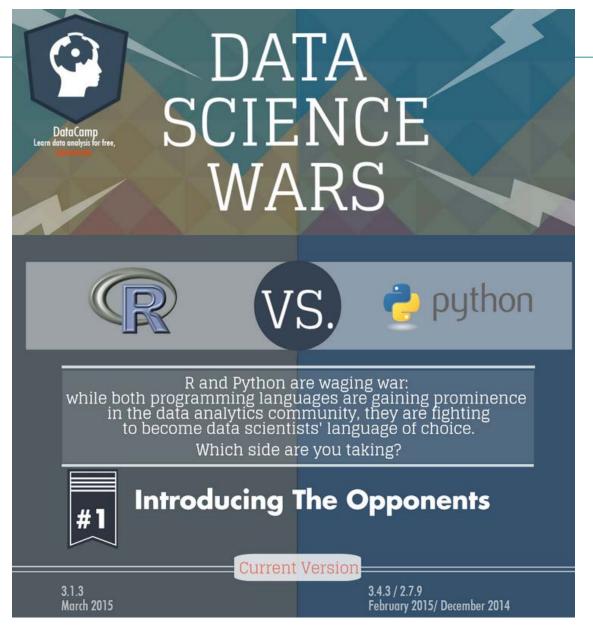




The Tools Surveyed (Forrester)

Vendor	Product name
Alpine Data	Chorus
Angoss	KnowledgeSTUDIO
Dataiku	Dataiku DSS
Domino Data Lab	Domino
FICO	FICO Decision Management Suite
H2O.ai	H2O
IBM	IBM SPSS Modeler
KNIME	KNIME Analytics Platform
Microsoft	Cortana Intelligence Suite, Microsoft R Server
RapidMiner	RapidMiner Platform
Salford Systems	The SPM Salford Predictive Modeler software suite
SAP	SAP BusinessObjects Predictive Analytics, SAP HANA SPS
SAS	SAS Analytics Suite
Statistica	Statistica





http://blog.datacamp.com/r-or-python-for-data-analysis



