Master of Technology in Knowledge Engineering

Data Mining Tools Survey and Demo

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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

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

Gartner Research : Advanced Analytics Platforms

Gartner 2017 Magic Quadrant for Advanced Analytics Platforms

Extensive product stack:
- SAS Base (statistics)
- Guide (visualisation)
- Enterprise Miner

SPSS modeler

SAP Predictive Analysis
SAP Hana Predictive
Analysis Library

Free open source

SQL server
extensions and
Excel plugin

Enterprise-grade and
big-data extensions
to the R language
(bought Revolution
Analytics in 2015)

Gartner Research : Advanced Analytics Platforms

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

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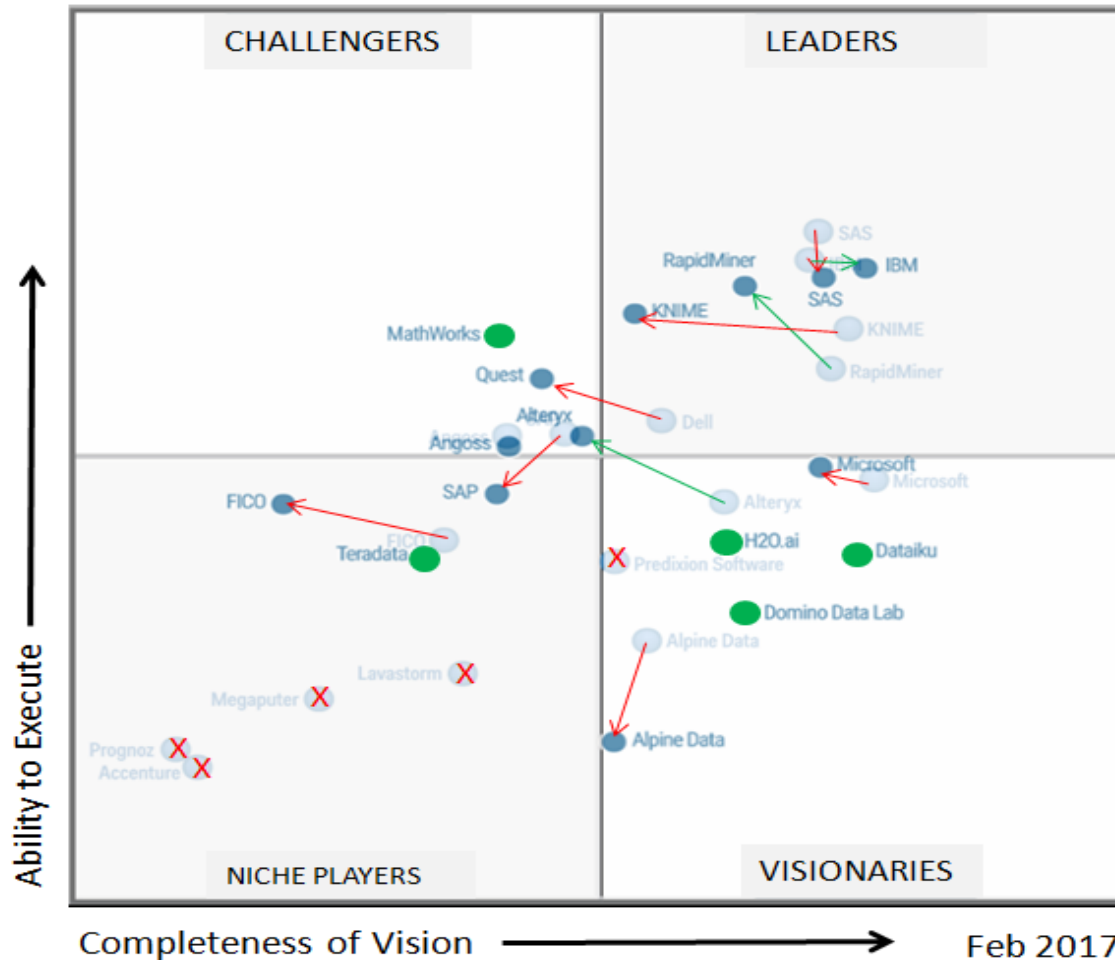
Forrester Research: Predictive Analytics And Machine Learning

The Forrester Wave™: Predictive Analytics And Machine Learning Solutions, Q1 2017
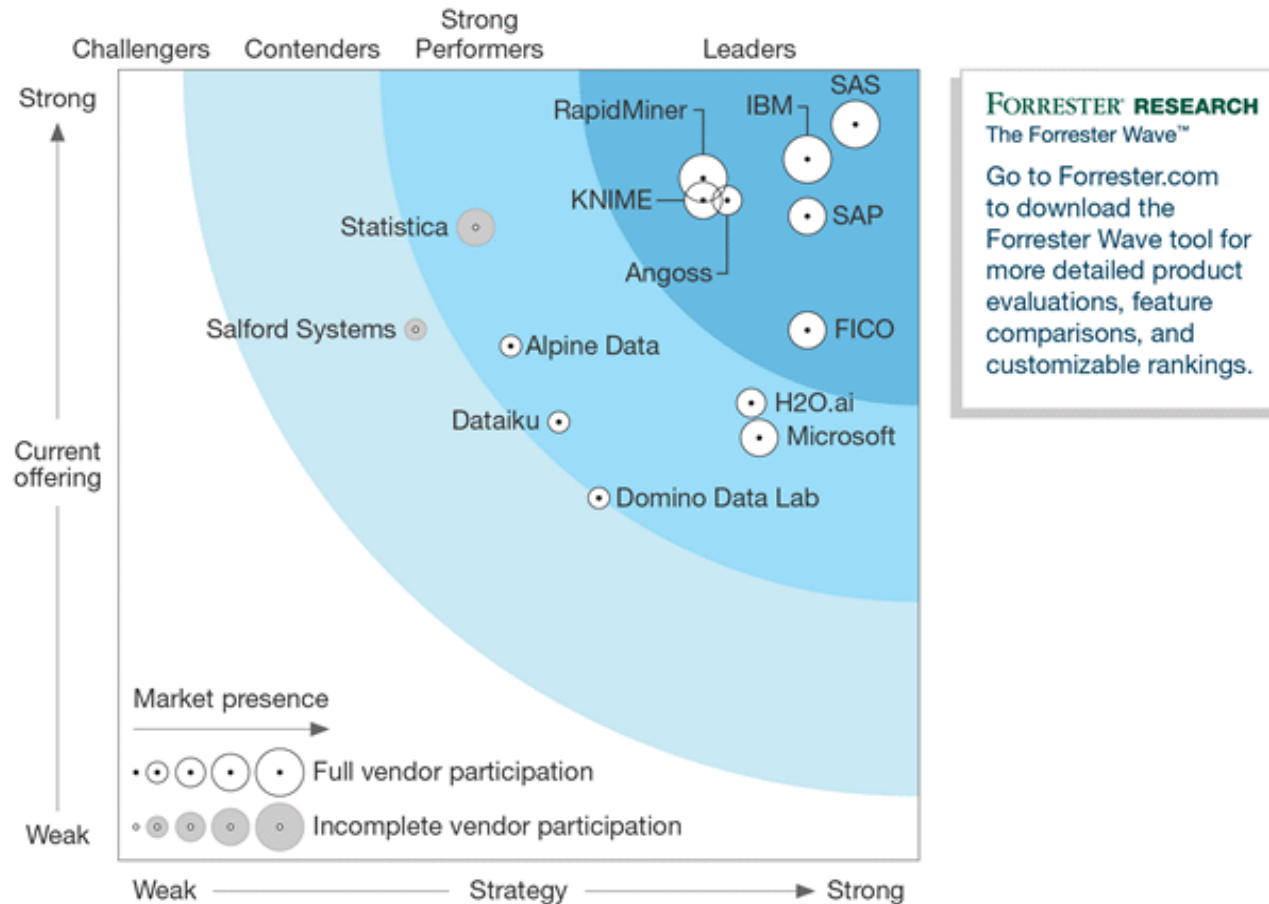
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The Tools Surveyed (Forrester)

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

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

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