

KNIME Meetup Pavia/Milano

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A Brief History of KNIME

2004: KNIME development commences

2006: KNIME v1 released

2006: Spin-off in Konstanz, Germany

2006-2007: First commercial partners

2008: KNIME moves to Zurich

2010: Enterprise products released

2011: KNIME.com AG founded

2013: KNIME opens San Francisco office...

Status Quo:

+3000 Organizations Using KNIME

~30% Life Science

~70% Business Intelligence, Analytics

+50 Very Active Community Developers

KNIME.com AG

Turnover:

Small but profitable!

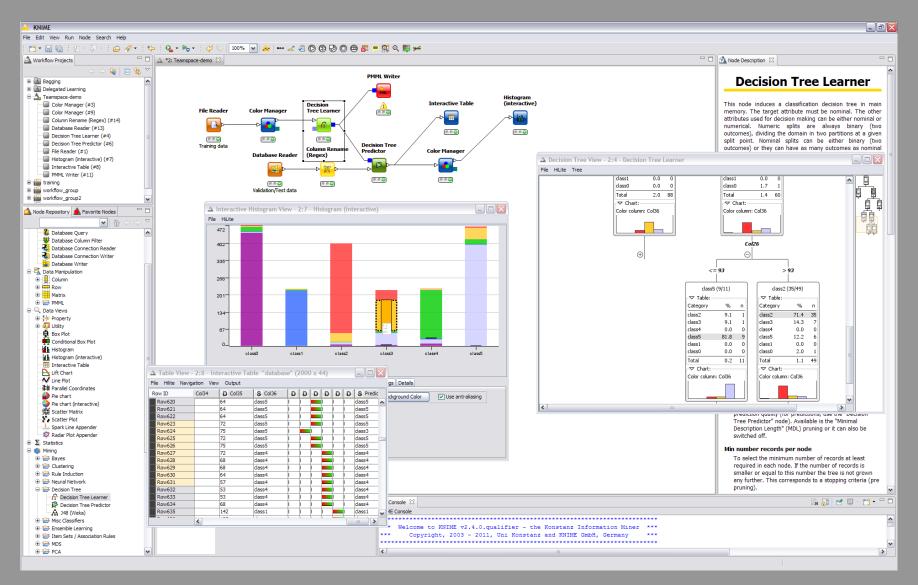
Staff:

20+

Gartner: | 2010 COOL VENDOR



The KNIME Platform





File Reader



Excel import

Database Connector



Node 0:1:8

PMML Reader



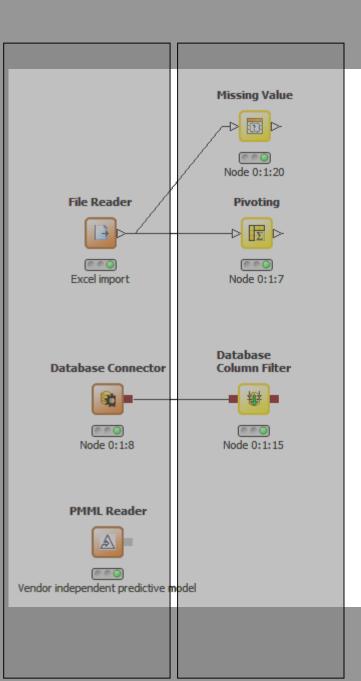
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Vendor independent predictive model

KNIME loads and integrates data from diverse data sources:

- Different data bases
- Various file formats (CSV, XML, SDF, etc.)

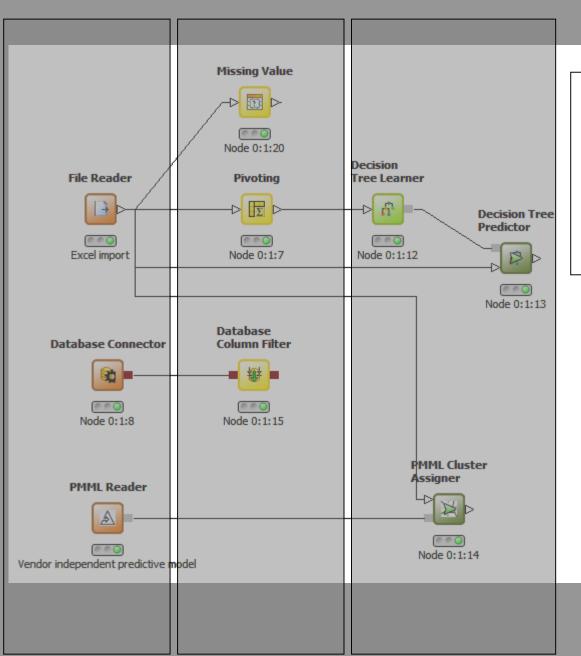




KNIME provides huge repository of modules for easy-to-use, modular

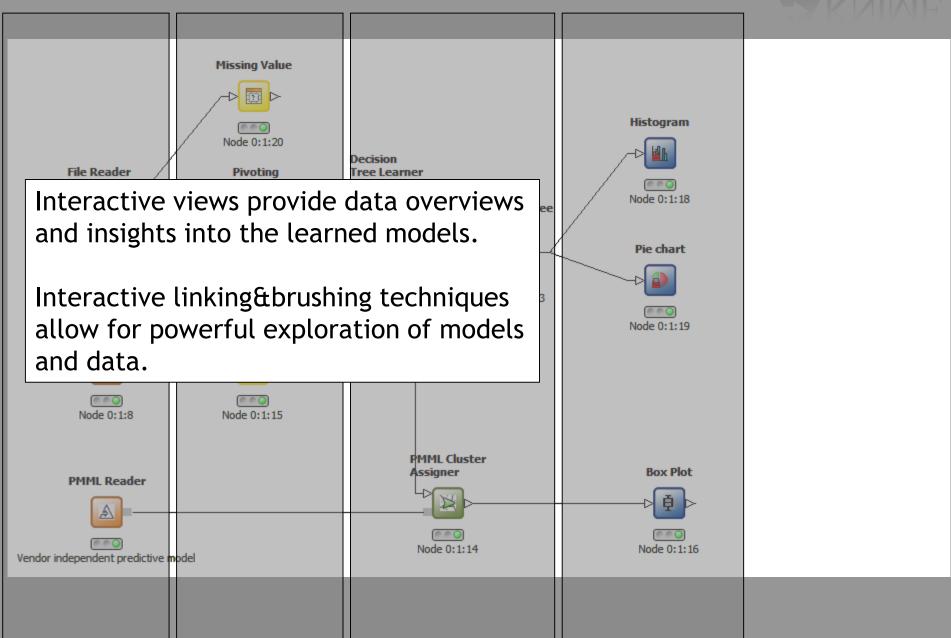
- Data preprocessing
- Data fusion
- Data transformation



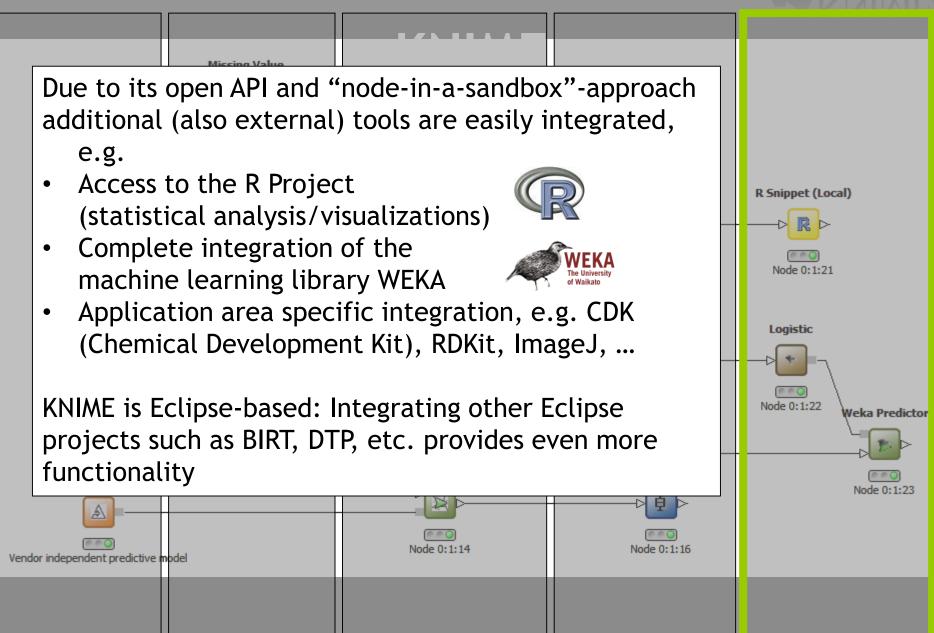


In addition to standard data mining techniques, KNIME adds cutting edge data analysis algorithms.
(...thanks to its academic roots)



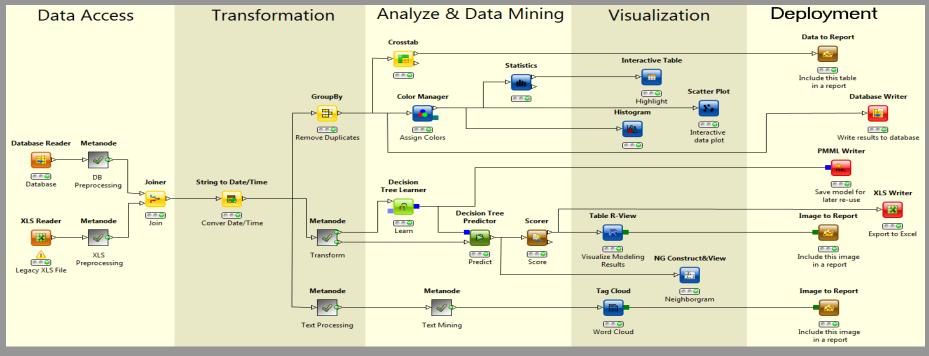






Over 1000 native and embedded nodes included: AKNIME





MySQL, Oracle, etc. SAS, SPSS, etc.

Excel, Flat, etc.

Hive etc.

XML, PMML

Text, Doc, Image

Web Crawlers

Industry Specific

Community / 3rd

ETL

Row,

Column

Matrix

Text, Image

Time Series

Java

Pvthon

Community / 3rd

Statistics

Data Mining

Machine Learning

Web Analytics

Text Mining

Network Analysis

Social Media Analysis

WEKA

Community / 3rd



JFreeChart Community / 3rd via BIRT

PMML

XML

Databases

Excel, Flat, etc.

Hive etc.

Text, Doc, Image

Industry Specific

Community / 3rd

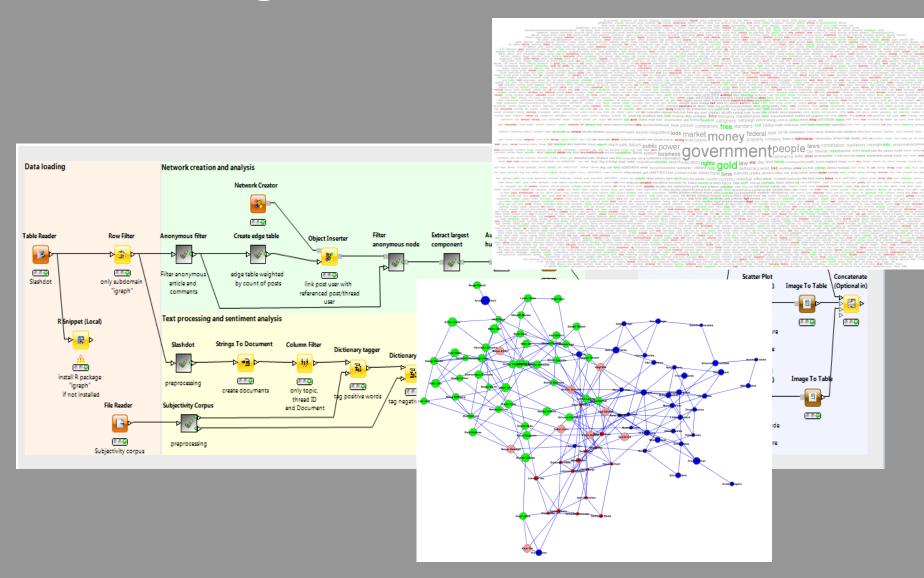


KNIME in Action: Standardization

"[KNIME] helps me structure my procedures in a clean, reproducible, and auditable way that monster spreadsheets just can't match..."

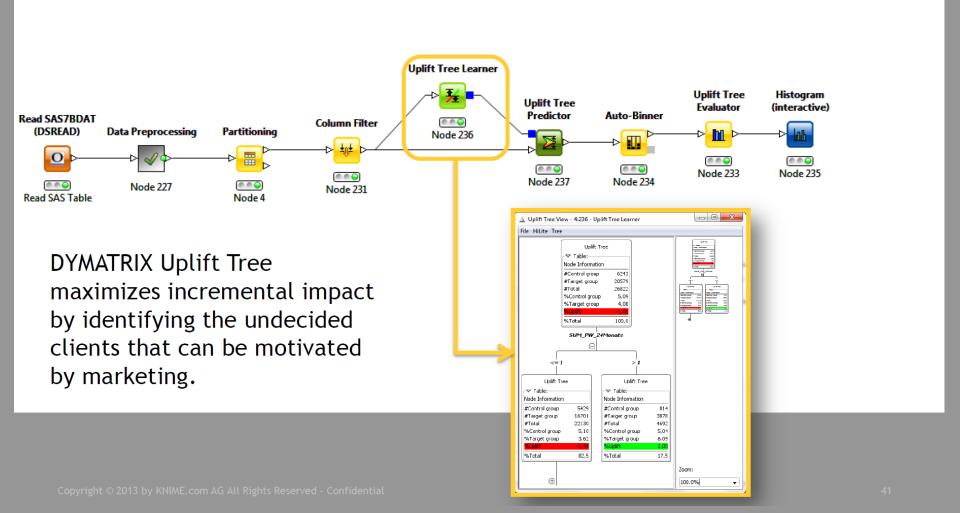


Data Integration



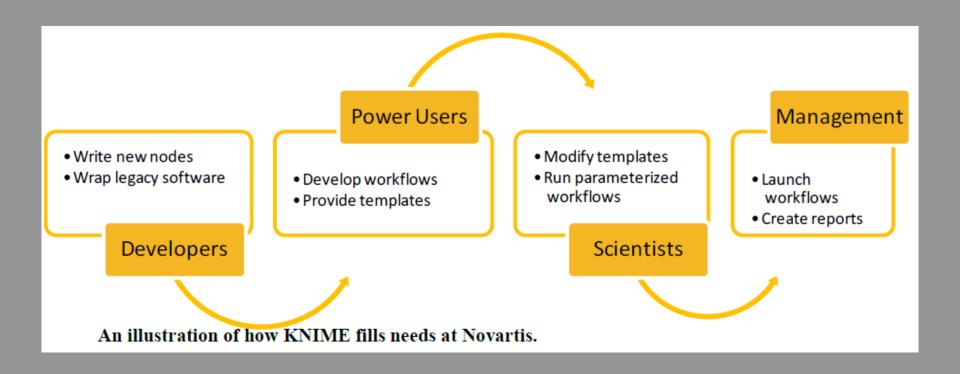


Tool Integration





Life Science: Case Study





Mark Your Calendars:

KNIME's 7th User Group Meeting 12.-13. February 2014 Zurich, Switzerland