Why “Meetup”?

From Wikipedia:
...make it easier for people to connect with strangers in their community.

From www.meetup.com:
...people getting together to learn something, do something, share something...
KNIME? KNIME!
Who’s Using KNIME?

- >10,000 Individuals
- ~3,000 Organizations worldwide
- ~30% Life Science
- ~70% Business Intelligence, Analytics
- ~300 KNIME.com Customers
- 15 Technology Partners
- +50 Very Active Community Contributors
Emerging Topics
(or “Why I KNIME”)
“[KNIME] helps me structure my procedures in a clean, reproducible, and auditable way that monster spreadsheets just can’t match...”
Standardization
“I love KNIME because it helps me pull all sorts of data together easily.”
Data Integration
KNIME in Action: Tool Integration

“I use KNIME because it is the magic glue that allows me to integrate all my applications in a seamless way...”
Tool Integration

DYMATRIX Uplift Tree maximizes incremental impact by identifying the undecided clients that can be motivated by marketing.
KNIME in Action: Wide Range of Applications

“The strong KNIME platform makes it easy to tackle a huge range of problems.”
What else is KNIME used for?

And more...

- Next Best Offer
- Survey Analysis
- (Big) Time Series Data
- ...
“We use KNIME because it allows to share, reuse, and document our complex data analysis processes...”
Standardization:
The KNIME Server at Work
“KNIME slid into our IT security and compliance infrastructure easily, very impressive compared to others.”
Standardization: The KNIME Server in it’s element
As long as your machine can handle it, KNIME will play along.
KNIME and Big Data

Big ETL and Big Analytics - all in one platform

• With Actian’s DataRush Accelerator
• Dymatrix: Native Hadoop/Hive Integration
KNIME. For all your Data Needs.

Loading
- File Reader
- Database Connector
- PMML Reader

Transformation
- Pivoting
- Database Column Filter

Analysis
- Decision Tree Learner
- PMML Cluster Assigner

Visualization
- Decision Tree Predictor
- Histogram
- Pie chart
- Box Plot

Integration
- R Snippet (Local)
- Logistic
- Weka Predictor
KNIME Selected Node Highlights

Over 1000 native and imbedded nodes included:

- Statistics
- Data Mining
- Time Series
- Image Processing
- Neighborgrams
- Web Analytics
- Text Mining
- Network Analysis
- WEKA
- R
- Database Support
- ETL
- Text Processing
- Data Generation
- XML Read/Write
- PMML Read / Write
- Social Media Analysis
- Business Intelligence
- Community Nodes
- 3rd Party Nodes
(Some) Upcoming 2013 Highlights
Better R Integration

Boxplot on Iris data

```r
# read input (currently R) on new R_in data.frame
R_in = R

# co-variance matrix
R_out = cov(R_in[1:4])

# generate boxplot on first 4 numeric columns
boxplot(R_out[1:4])

# set title for boxplot title
# controlled by a flow variable
# title(FlowTitle)

print(R_out)
```

Sepal.Length Sepal.Width Petal.Length Petal.Width

- Sepal.Length: 0.6958935 0.0429240 1.2742154 0.5162707
- Sepal.Width: -0.0429240 0.1809794 -0.3296564 -0.1216394
- Petal.Length: 1.2742154 -0.3296564 3.1162770 1.2956094
- Petal.Width: 0.5162707 -0.1216394 1.2956094 0.5810063
Multi-sheet Excel Writer

- Selected File: /tmp/ChemicalLibraryEnumeration3.xls
- Overwrite existing file: checked
- Open file after execution: unchecked
- Sheet name: default
- Name of the sheet: default
- Add names and IDs: add column headers, add row ids
- Missing value pattern: blank
- For missing values write: blank

Exclude
- Column(s): [Select all search hits]
- Enforce exclusion

Select
- add >>
- add all >>
- << remove
- << remove...

Include
- Column(s): [Select all search hits]
- Enforce inclusion

Flow Variables

Memory Policy

- Loop Start
- Group data
- XLS Appender
- Append new sheet
More Quickform Nodes
- more powerful deployment
Text Processing

• Word or Char based Ngrams
• Integration for Pharma Tagsets
• Stanford Tagger Library updated to 3.1.4
• POS Tagging support for French texts
• ...
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>16:00</td>
<td>Begrüßung und Eröffnung</td>
</tr>
<tr>
<td></td>
<td>Michael Berthold (<em>KNIME</em>) und Thomas Dold (<em>DYMATRAX</em>)</td>
</tr>
<tr>
<td>16:30</td>
<td>Neuigkeiten zu KNIME Desktop und KNIME Server</td>
</tr>
<tr>
<td></td>
<td>Michael Berthold (<em>KNIME</em>)</td>
</tr>
<tr>
<td>17:00</td>
<td>Pause</td>
</tr>
<tr>
<td>17:15</td>
<td>Text Mining, Data Mining und Network Mining kombiniert</td>
</tr>
<tr>
<td></td>
<td>Tobias Kötter und Phil Winters (<em>KNIME</em>)</td>
</tr>
<tr>
<td>18:00</td>
<td>KNIME Enterprise Applications in der Praxis am Beispiel DynaSocial</td>
</tr>
<tr>
<td></td>
<td>Social Media Analytics</td>
</tr>
<tr>
<td></td>
<td>Stefan Weingärtner (<em>DYMATRAX</em>)</td>
</tr>
<tr>
<td>ab 18:30</td>
<td>Networking Apero</td>
</tr>
</tbody>
</table>