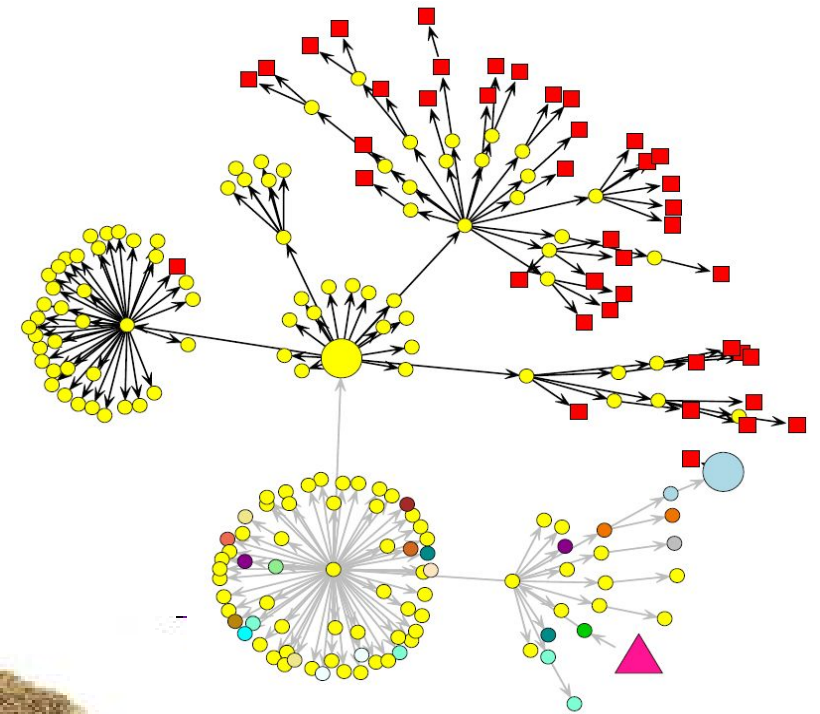


KNIME Introduction



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What is KNIME?

- KNIME = Konstanz Information Miner
- Software for managing and analyzing data
- Desktop version available free of charge (Open Source)
- Core Functionality: Data Mining, Manipulation and Visualization
- Modular: Software can be extended via plug-ins

How does KNIME look like?

The screenshot displays the KNIME Analytics Platform interface. The main window is titled "0: Example Workflow" and contains a workflow diagram with the following nodes: "File Reader" (Read iris.csv), "Color Manager" (Assign colors), "Statistics" (Calculates statistic measures: mean, max, min, variance, median, etc.), "Partitioning" (Split data 60/40), "Interactive T..." (Explore test), and "Train m...". The interface is divided into several panels:

- Workflow Explorer:** Located on the left, it shows a tree view of the workspace with folders for "EXAMPLES", "LOCAL (Local Workspace)", and "Example Workflow".
- Node Repository:** Also on the left, it provides a categorized list of nodes including IO, Manipulation, Views, Analytics, Database, Other Data Types, Structured Data, Scripting, and Workflow Control.
- Workflow Editor:** The central area where the workflow is built and executed.
- Node Description:** A panel on the right that provides detailed information about the selected node.
- Outline:** A small thumbnail view of the workflow located at the bottom left.
- Console:** A panel at the bottom right for viewing the execution logs and output of the workflow.

KNIME Nodes

Node States

Red = not configured

XLS Reader



Yellow = configured

XLS Reader



Green = executed

XLS Reader



Node Types

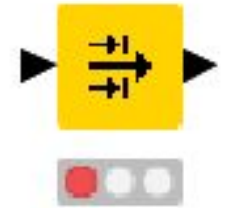
Import to KNIME

XLS Reader



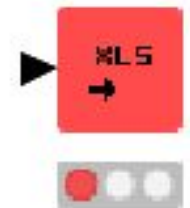
Manipulate in KNIME

Row Filter

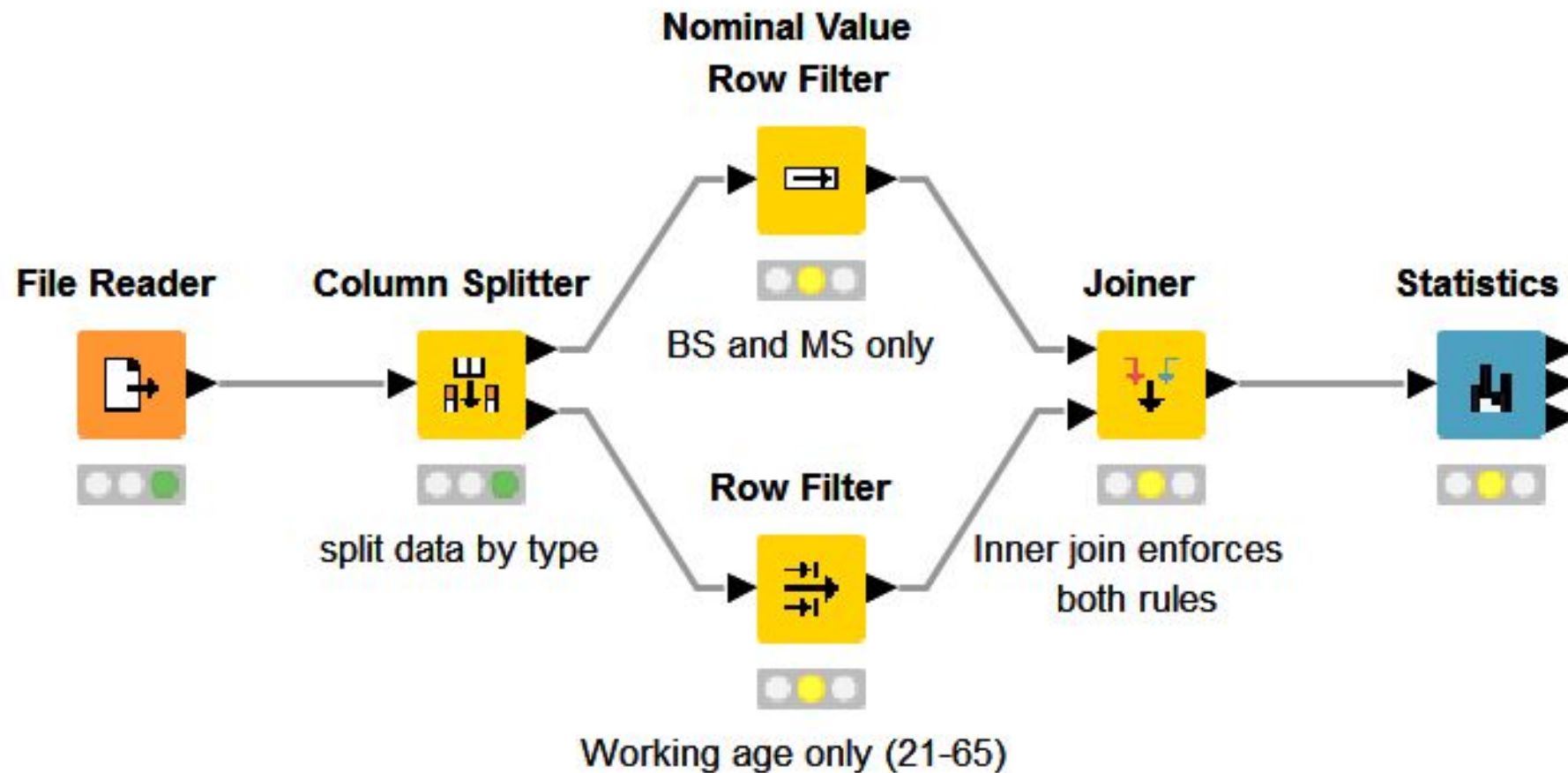


Export from KNIME

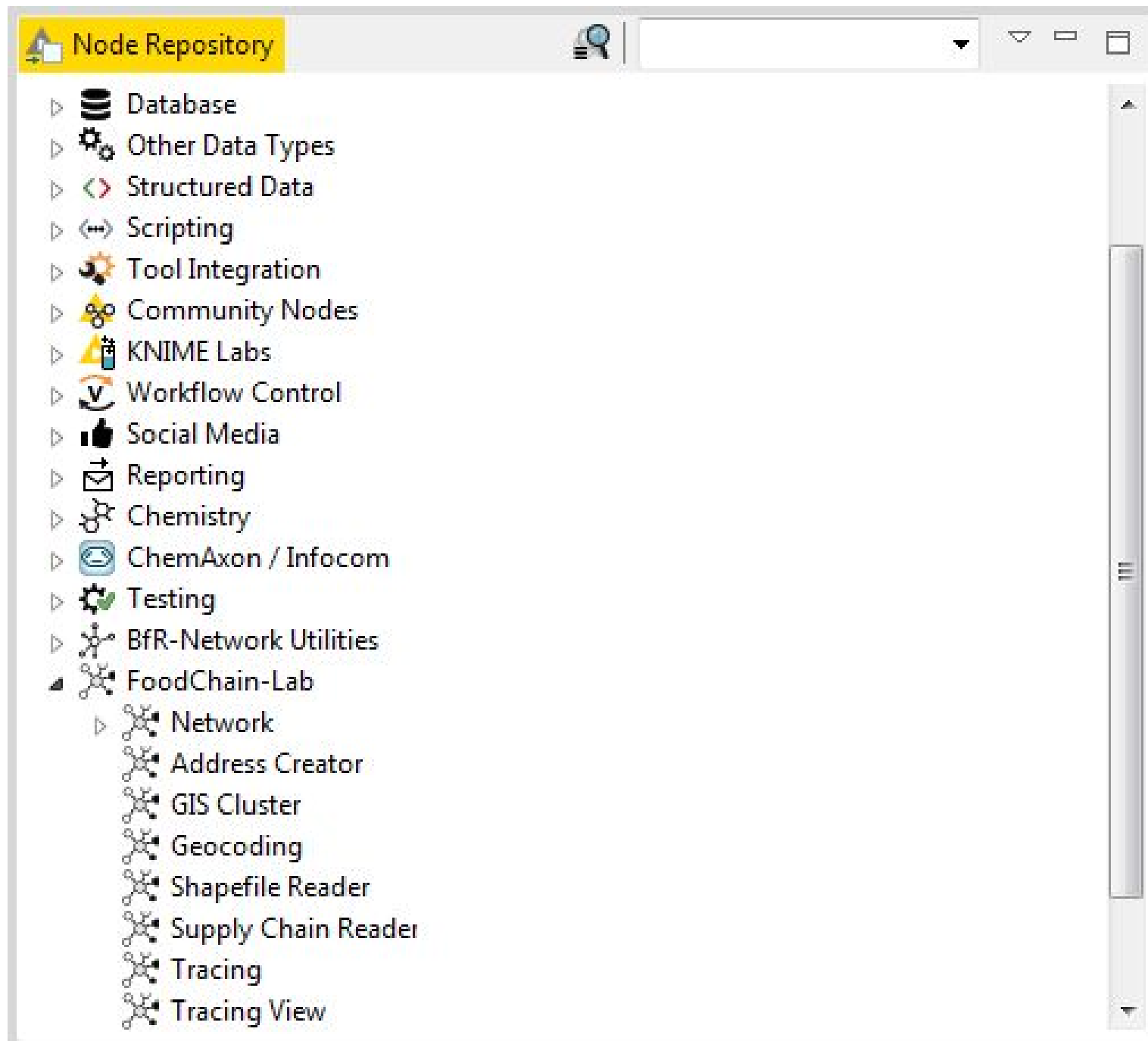
XLS Writer



KNIME Workflows



KNIME Extensions





Thank you for your attention

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