



What's New and Cooking in KNIME WebPortal

Jeanette (Jeany) Prinz
jeanette.prinz@knime.com

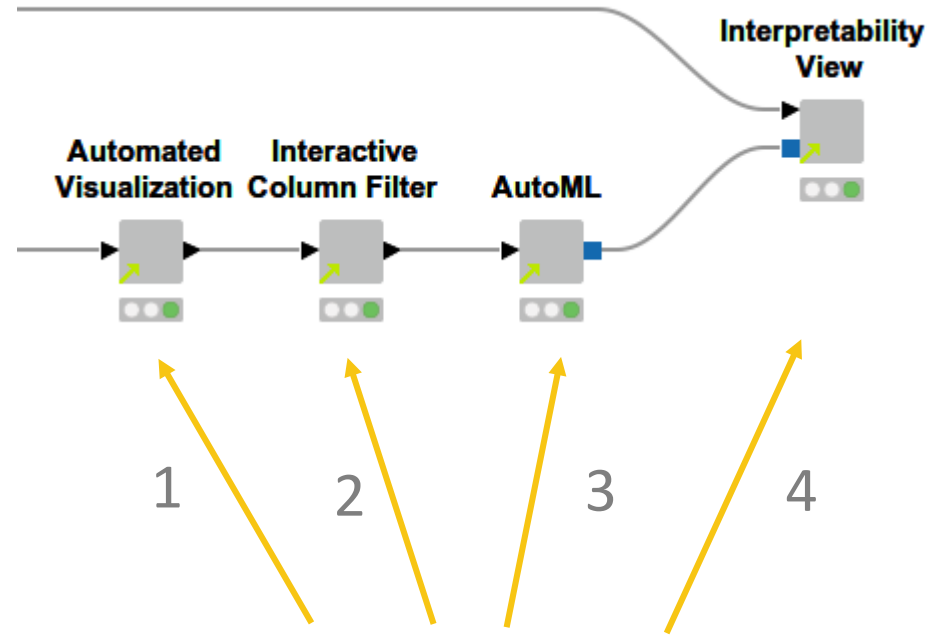
Paolo Tamagnini
paolo.tamagnini@knime.com

Life and Other Data Science

- **What's New and Cooking in KNIME WebPortal**
Jeany Prinz and Paolo Tamagnini (KNIME)
- **Building a Clinically Significant Rare Disease Data Master** - Sebastian Lefebvre (Alexion Pharmaceuticals)
- **Using KNIME to Build a Data-Driven Culture in a Biopharma Setting** - Kenneth Longo (Wave Life Sciences)

KNIME WebPortal

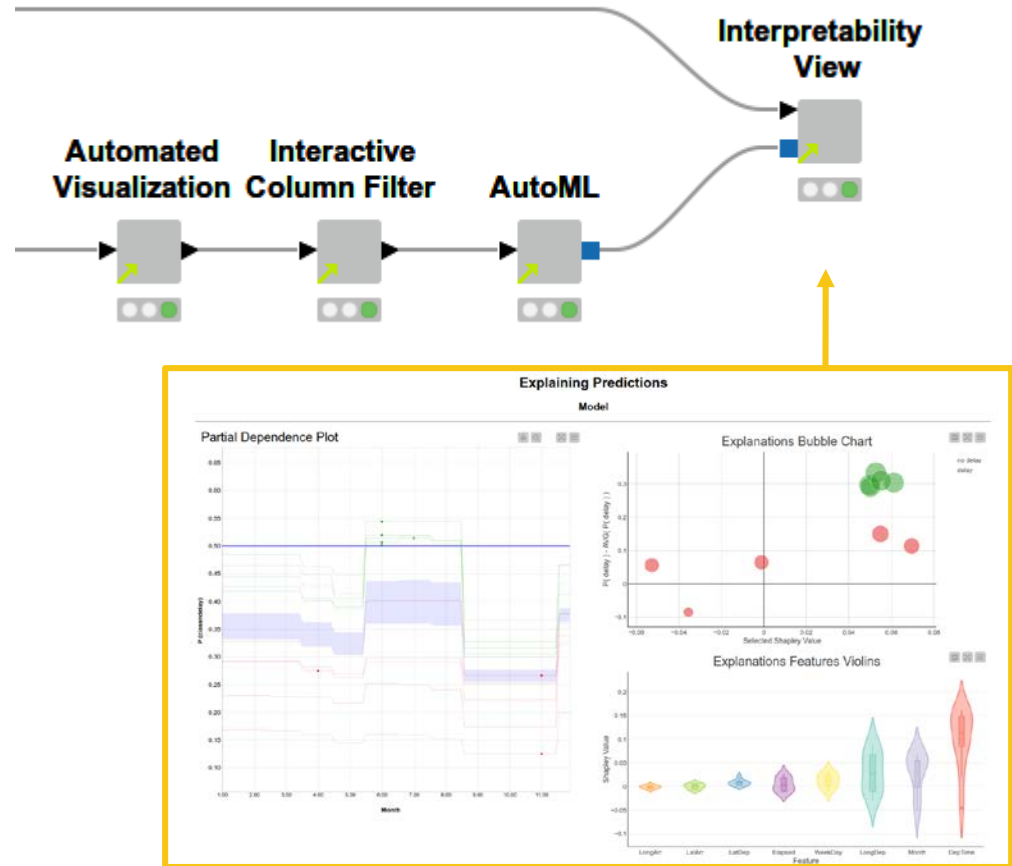
- WebPortal: Framework for building Web Applications
- All workflows on KNIME Server available as Web Applications
- Step-by-step execution of workflows from any browser



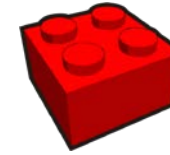
**Web pages in KNIME
Web Portal**

KNIME WebPortal

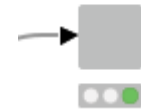
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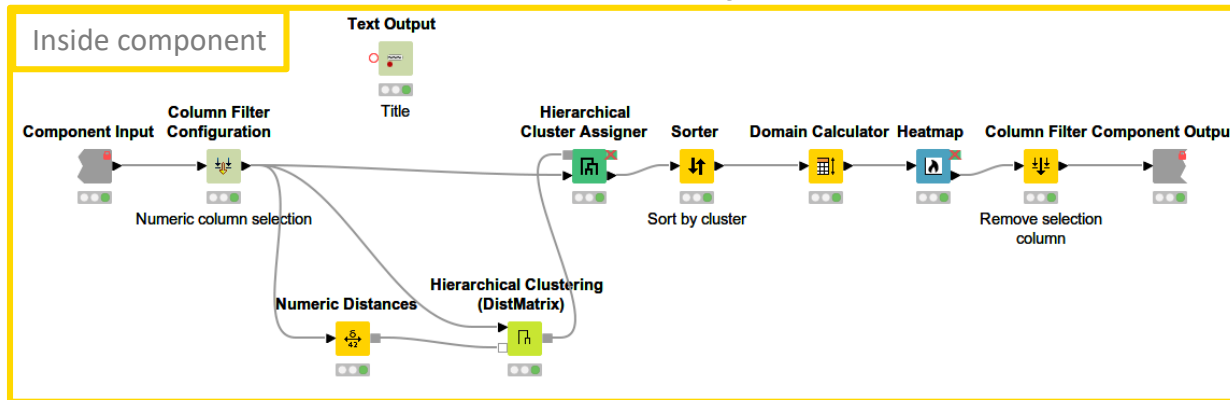
Components



Component



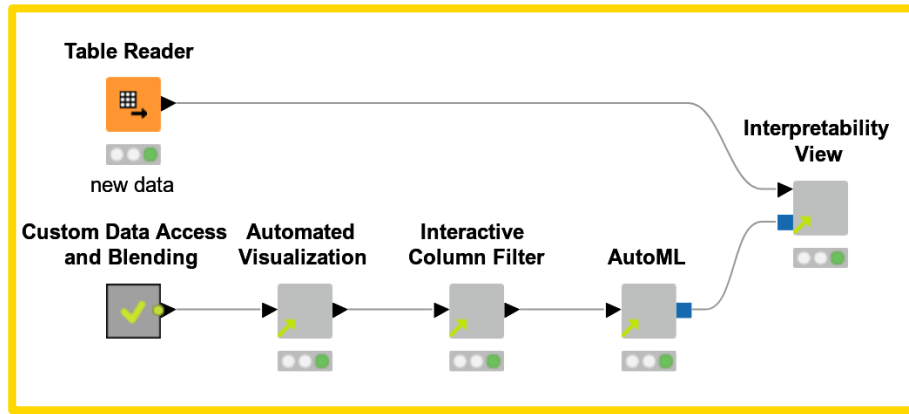
- Building blocks of more complex workflows
- Can have their own sophisticated, interactive views
- Bundle and abstract functionality



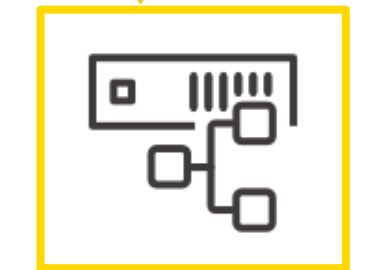
- Components can be reused in your own workflows but also shared with others: via the KNIME Server or KNIME Hub.

blog post: <https://www.knime.com/blog/knime-analytics-platform-40-components-are-for-sharing>

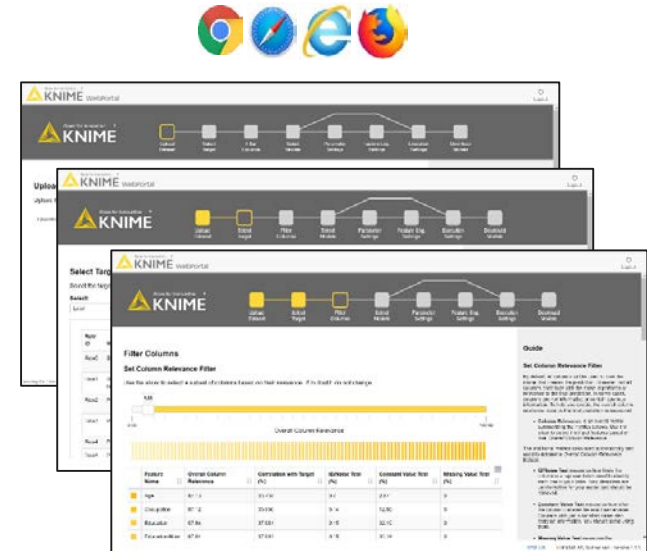
KNIME'S Guided Automation



Customized Workflow



KNIME Server



Analytical Application for Domain Expert from Web Browser

Guided Analytics with Shared Components

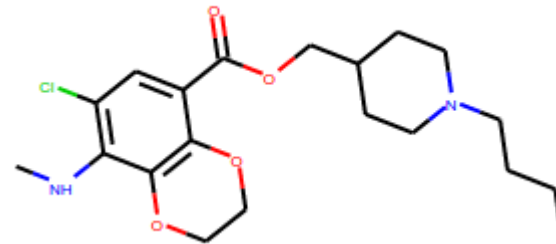
Demo

Simple Life Science Example

Goal: Cluster compounds based on their activity on serotonin receptors

Use components from Example space to:

1. Extract data from ChEMBL database
2. Perform and visualize clustering

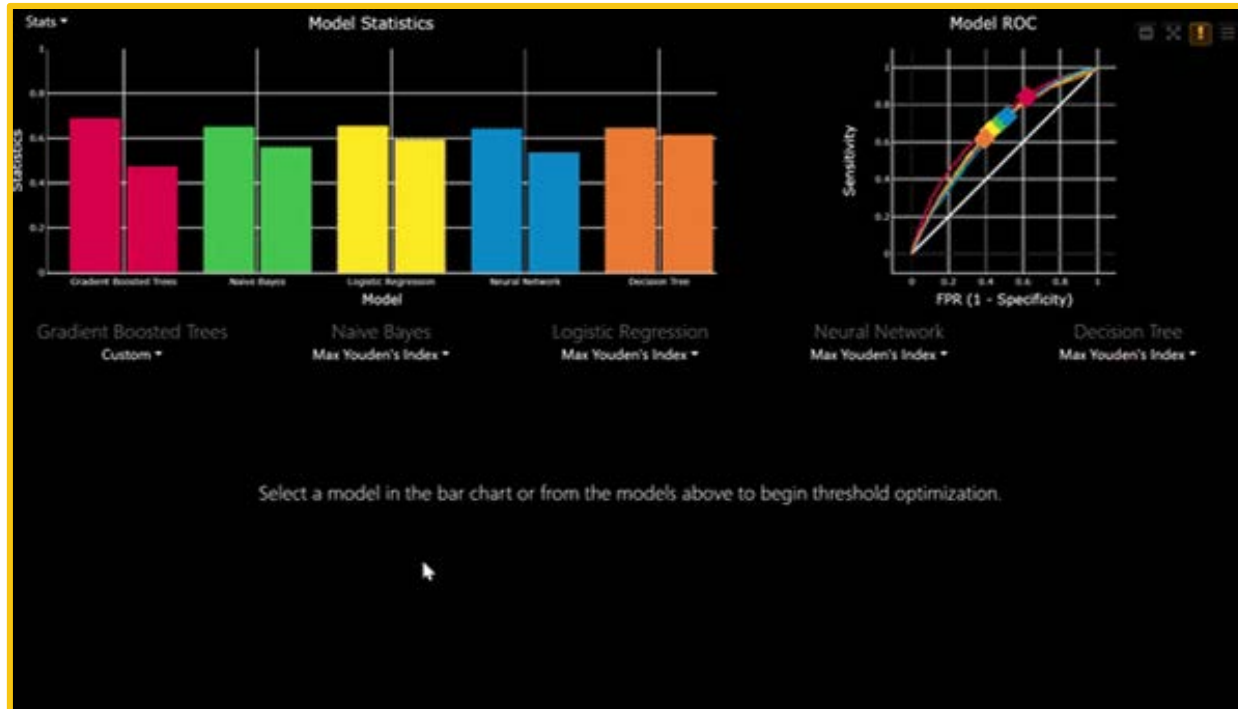


Simple Life Science Example

Demo

What's Cooking: new KNIME views!

New nodes and components for Guided Analytics!

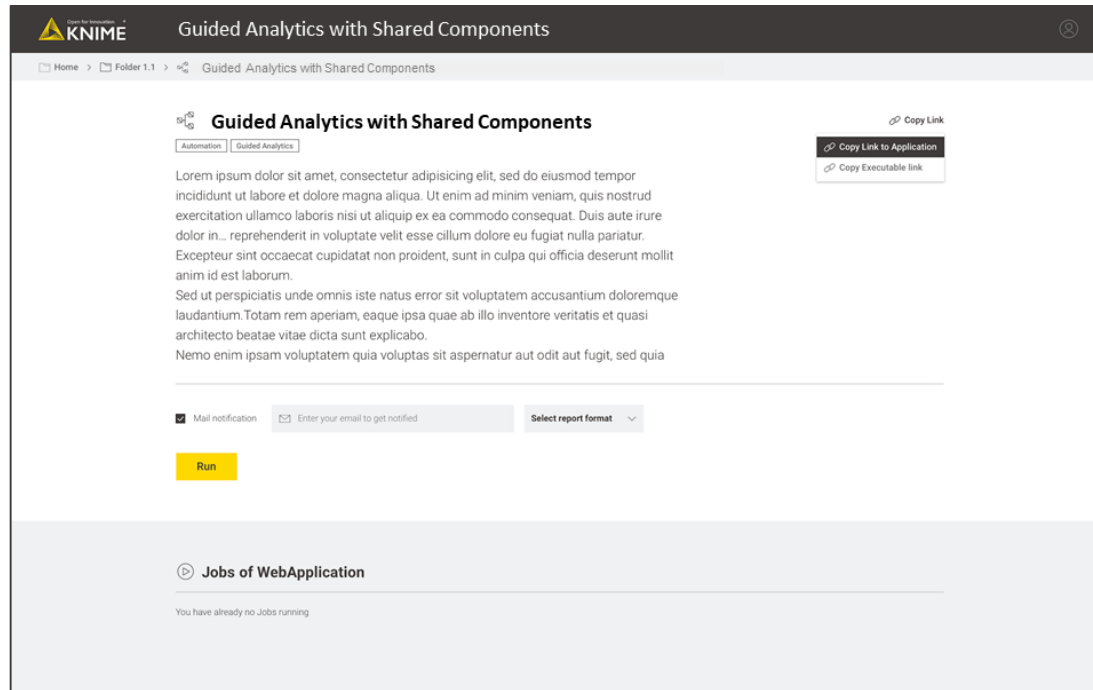


Binary Classification Inspector



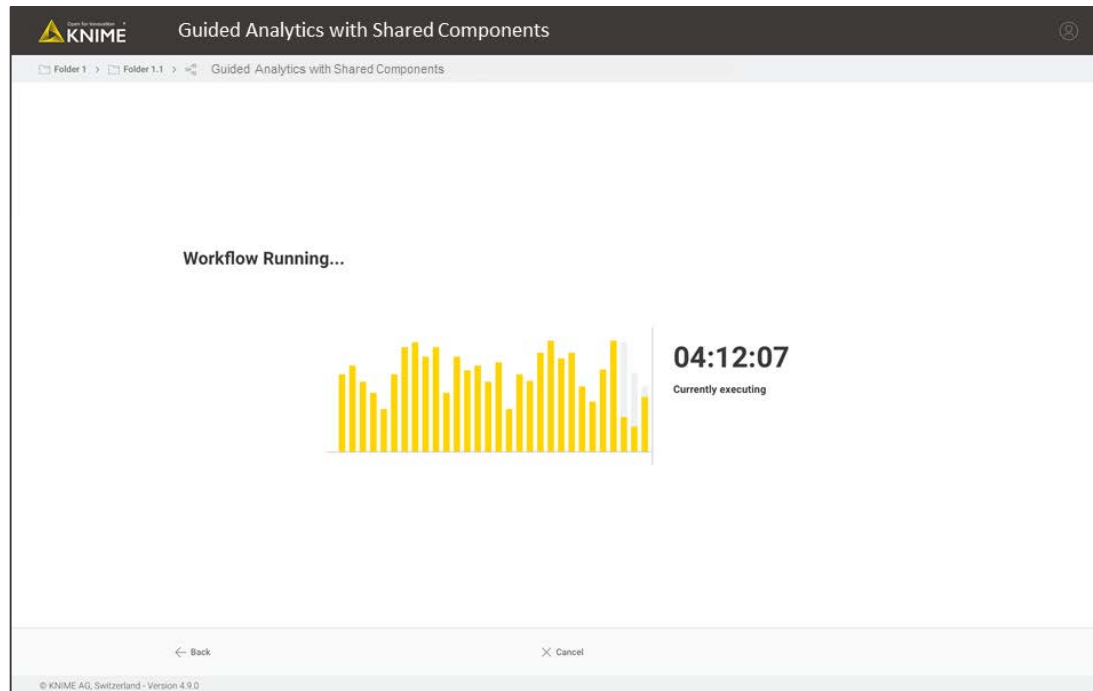
What's Cooking: new KNIME WebPortal!

New KNIME WebPortal frontend!



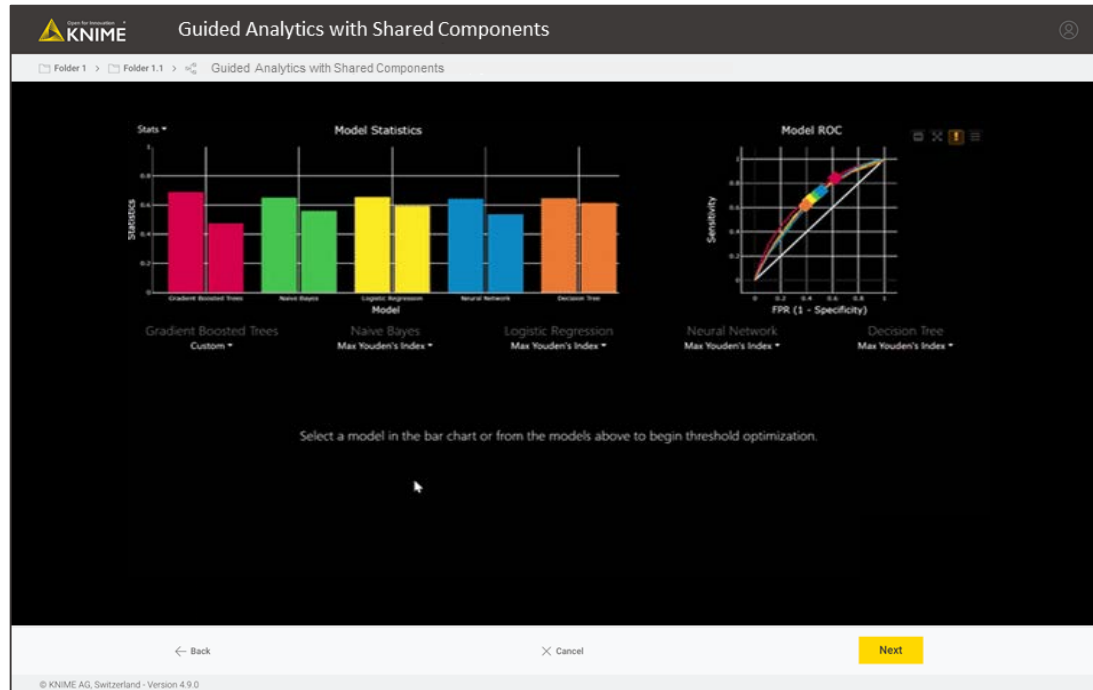
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