Data Mining Tools

- ➤ Data mining serves the primary purpose of discovering patterns among large volumes of data.
- ➤ And transforming data into more refined/actionable information.
- ➤ This technique utilizes
 - > Specific algorithms
 - >Statistical analysis
 - >Artificial intelligence
 - ➤ Database systems.
- ➤It aims to extract information from huge data sets and convert it into an understandable structure for future use.

Most Popular Data Mining Tools

Tools	Introduction	Availability
Orange	Orange is a perfect software suite for machine learning & data mining. It best aids the data visualization and is a component based software. It has been written in Python computing language.	Open source
Xplenty	Xplenty provides a platform that has functionalities to integrate, process, and prepare data for analytics.	Licensed tools.
Rapid Miner	Rapid Miner is one of the best predictive analysis system. It is written in JAVA programming language.	Open source
Weka	Also known as Waikato Environment is a machine learning software developed at the University of Waikato in New Zealand. It is best suited for data analysis and predictive modeling	Free software
Oracle Data Mining	Oracle data mining software provides excellent data mining algorithms for data classification, prediction, regression	License

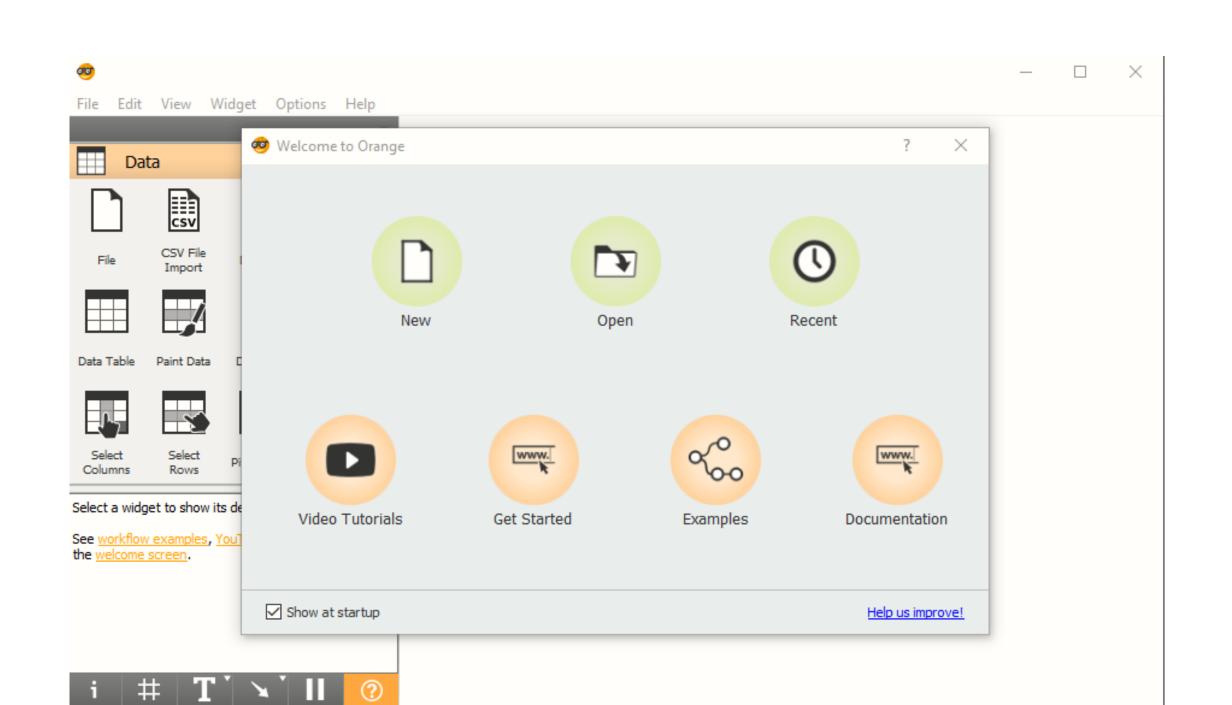


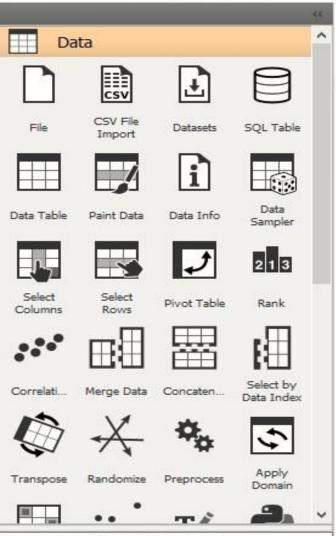
- ➤ It is a component-based software.
- > The components of orange are called 'widgets'.
- ➤ These widgets range from data visualization & pre-processing to an evaluation of algorithms and predictive modeling.

Widgets offer major functionalities like

- ➤ Showing data table and allowing to select features
- > Reading the data
- > Training predictors and to compare learning algorithms
- ➤ Visualizing data elements etc.

https://orange.biolab.si/





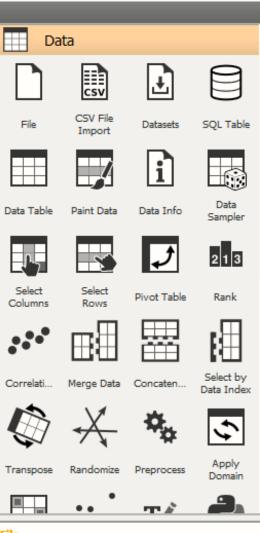
Select a widget to show its description.

See workflow examples, YouTube tutorials, or open the welcome screen.

Drag and drop file to canvas or click on file or any other data tools you want to use



File

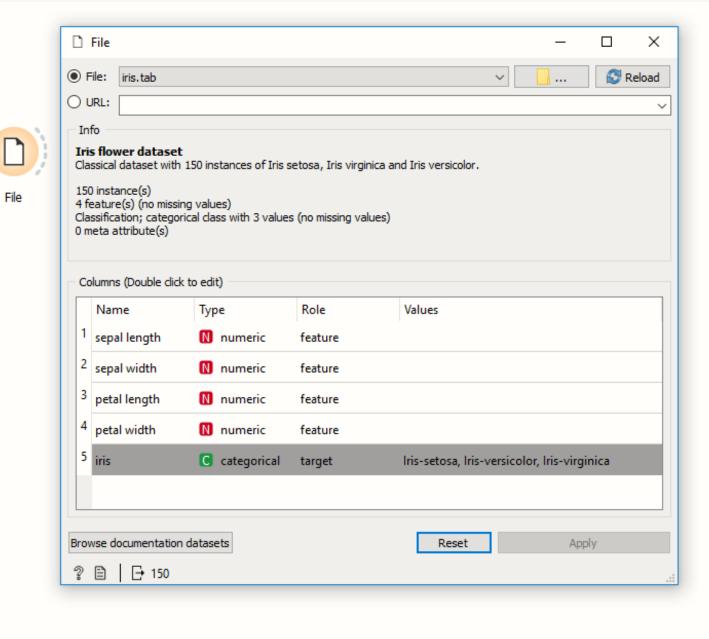


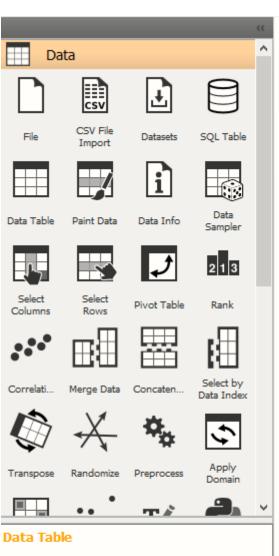
File

Read data from an input file or network and send a data table to the output.

more...



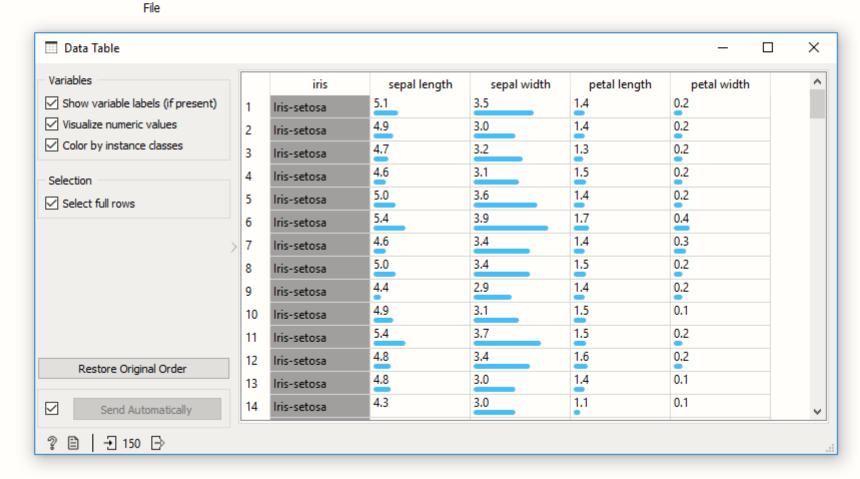


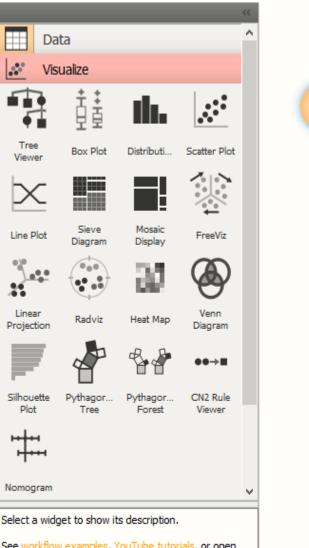


View the dataset in a spreadsheet.

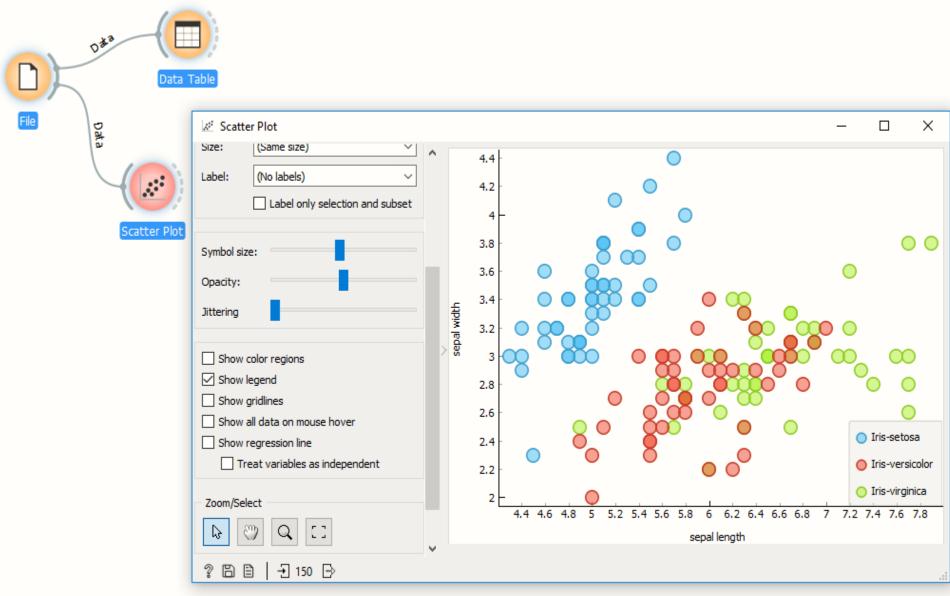
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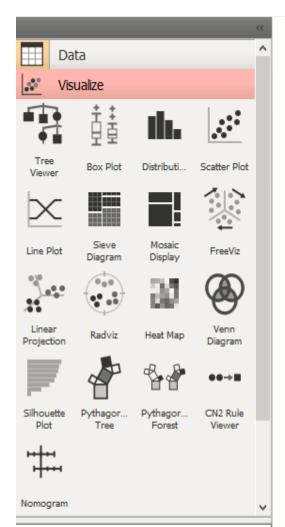






See <u>workflow examples</u>, <u>YouTube tutorials</u>, or open the <u>welcome screen</u>.





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