

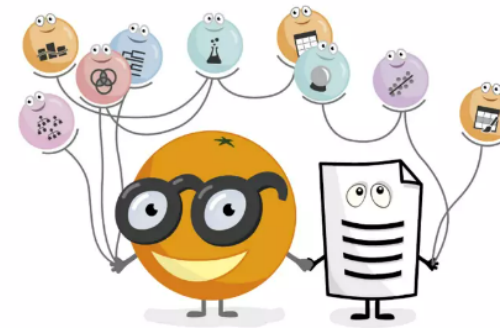
Orange 3 VDPA

Darian Onchis

Visual Data Mining Tool (Open Source)

Data Mining Fruitful and Fun

Open source machine learning and data visualization for novice and expert. Interactive data analysis workflows with a large toolbox.



Download Orange

<https://orange.biolab.si/download/>



Windows



macOS



Linux / Source

Visual Data Mining Tool (Open Source)

Data science technology for human sensemaking.

A movement that brings together millions of data science practitioners, data-driven enterprises, and the open source community.

Download

<https://www.anaconda.com/products/individual>

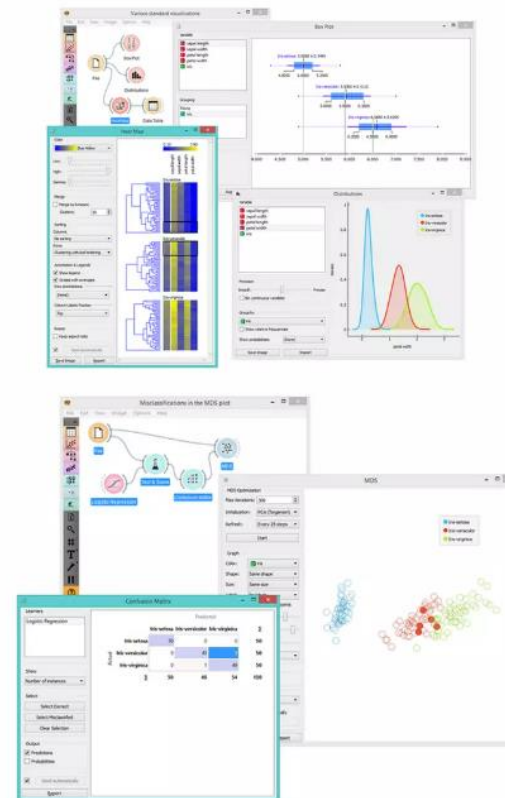


Interactive Data Visualization

Exploratory Data Analysis



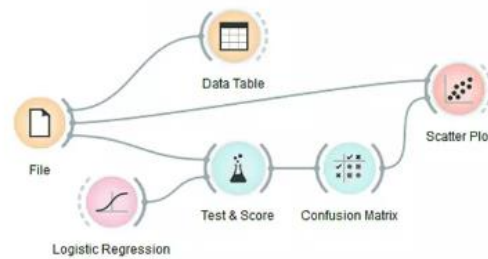
Intelligent Visualizations



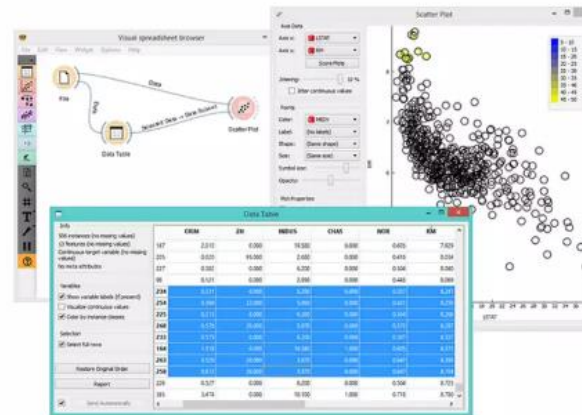
Reporting

Visual Programming

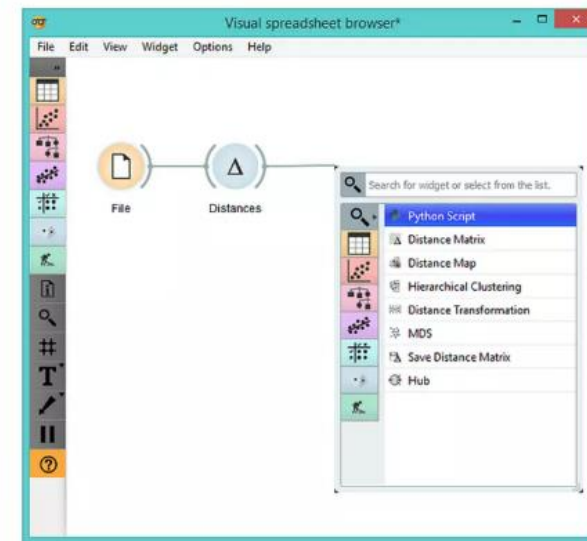
- Component-Based Data Mining



- Interactive Data Exploration



- Clever Workflow Design Interface



Basic Widget

Data

File

CSV File Import

Datasets

SQL Table

Data Table

Paint Data

Data Info

Data Sampler

Select Columns

Select Rows

Pivot Table

Rank

Correlati...

Merge Data

Concat...

Select by Data Index

Transpose

Randomi...

Preproce...

Apply Domain

Impute

Outliers

Edit Domain

Python Script

Color

Continuize

Create Class

Discretize

Feature Construc...

Feature Statistics

Neighbors

Purge Domain

Save Data

Visualize

Tree Viewer

Box Plot

Distributi...

Scatter Plot

Line Plot

Sieve Diagram

Mosaic Display

FreeViz

Linear Projection

Radviz

Heat Map

Venn Diagram

Silhouette Plot

Pythagor... Tree

Pythagor... Forest

CN2 Rule Viewer

Nomogra...

Model

Constant

CN2 Rule Induction

Calibrated Learner

kNN

Tree

Random Forest

SVM

Linear Regressi...

Logistic Regressi...

Naive Bayes

AdaBoost

Neural Network

Stochastic Gradient ...

Stacking

Save Model

Load Model

Evaluate

Test and Score

Predictio...

Confusion Matrix

ROC Analysis

Lift Curve

Calibration Plot

Unsupervised

Distance File

Distance Matrix

t-SNE

Distance Map

Hierarchi... Clustering

k-Means

Louvain Clustering

DBSCAN

Manifold Learning

PCA

Corresp... Analysis

Distances

Distance Transfor...

MDS

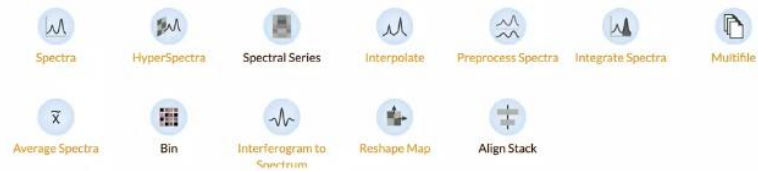
Save Distance...

Self-Org... Map

Additional Widget

Spectroscopy, Associate, Bioinformatics, Educational, Geo, ImageAnalytics, Network, Prototypes, SingleCell, Text, Textatable, Timeserise @ Orange 3

Spectroscopy



Text Mining



Image Analytics



Networks

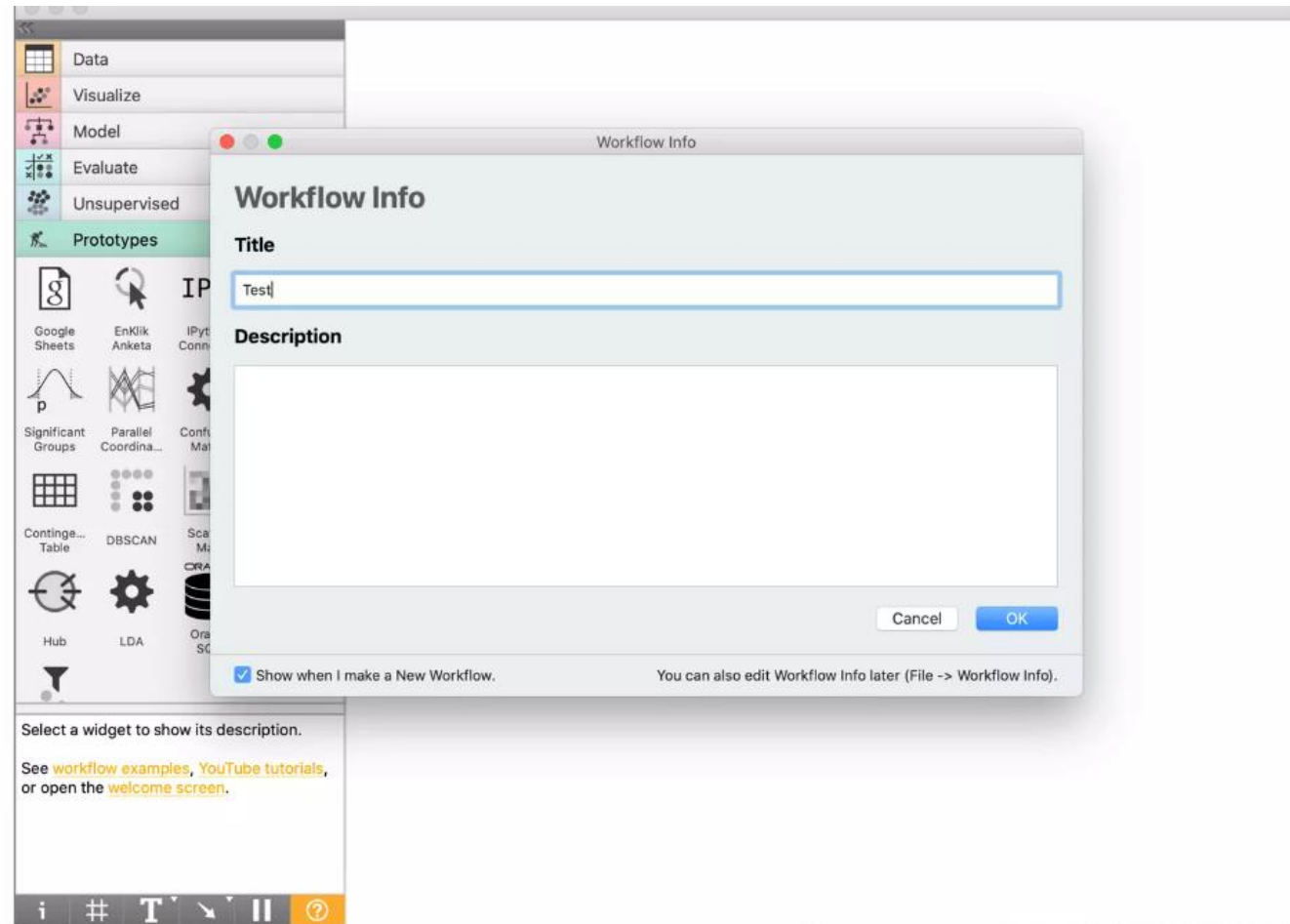


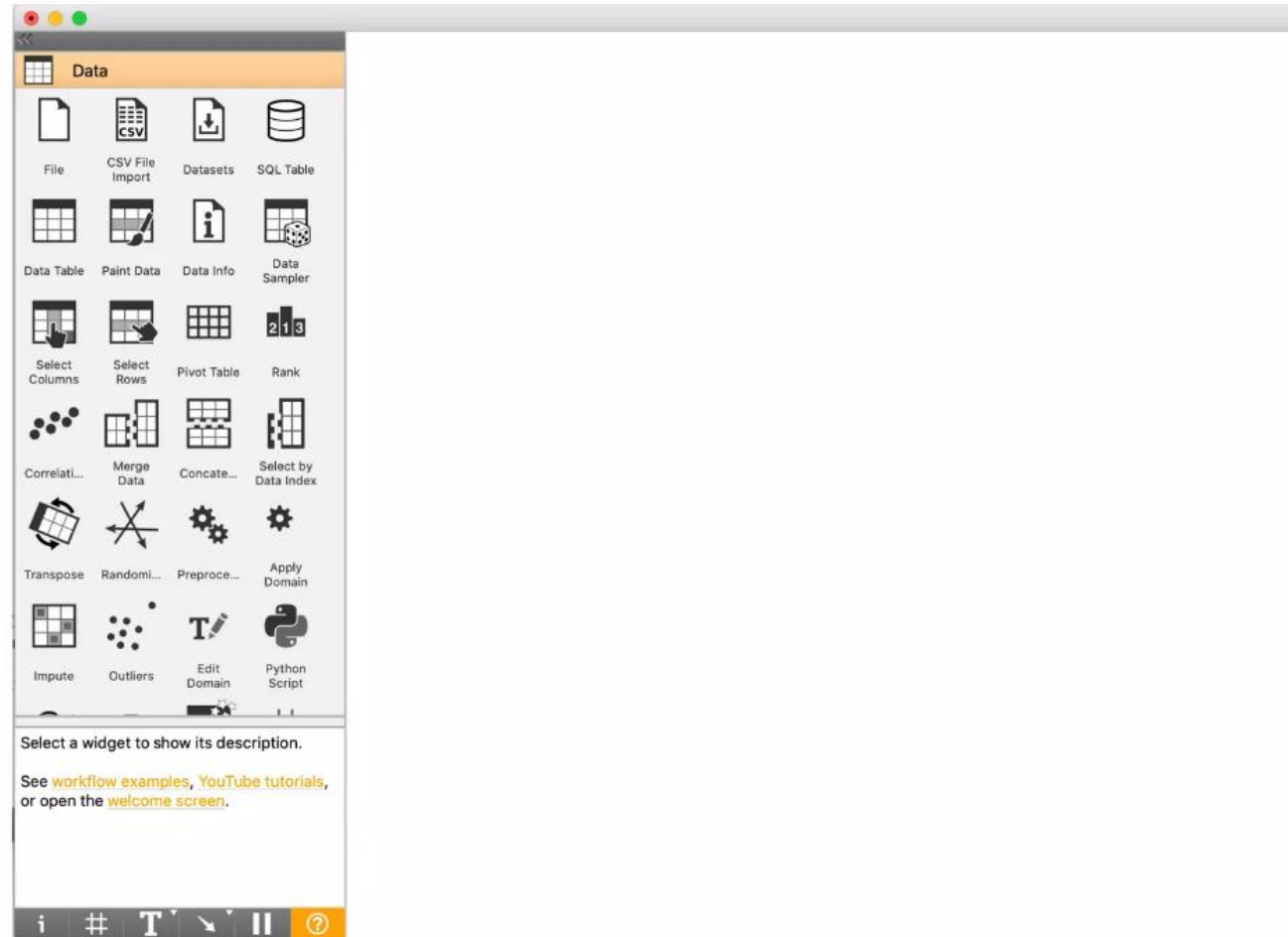
Educational

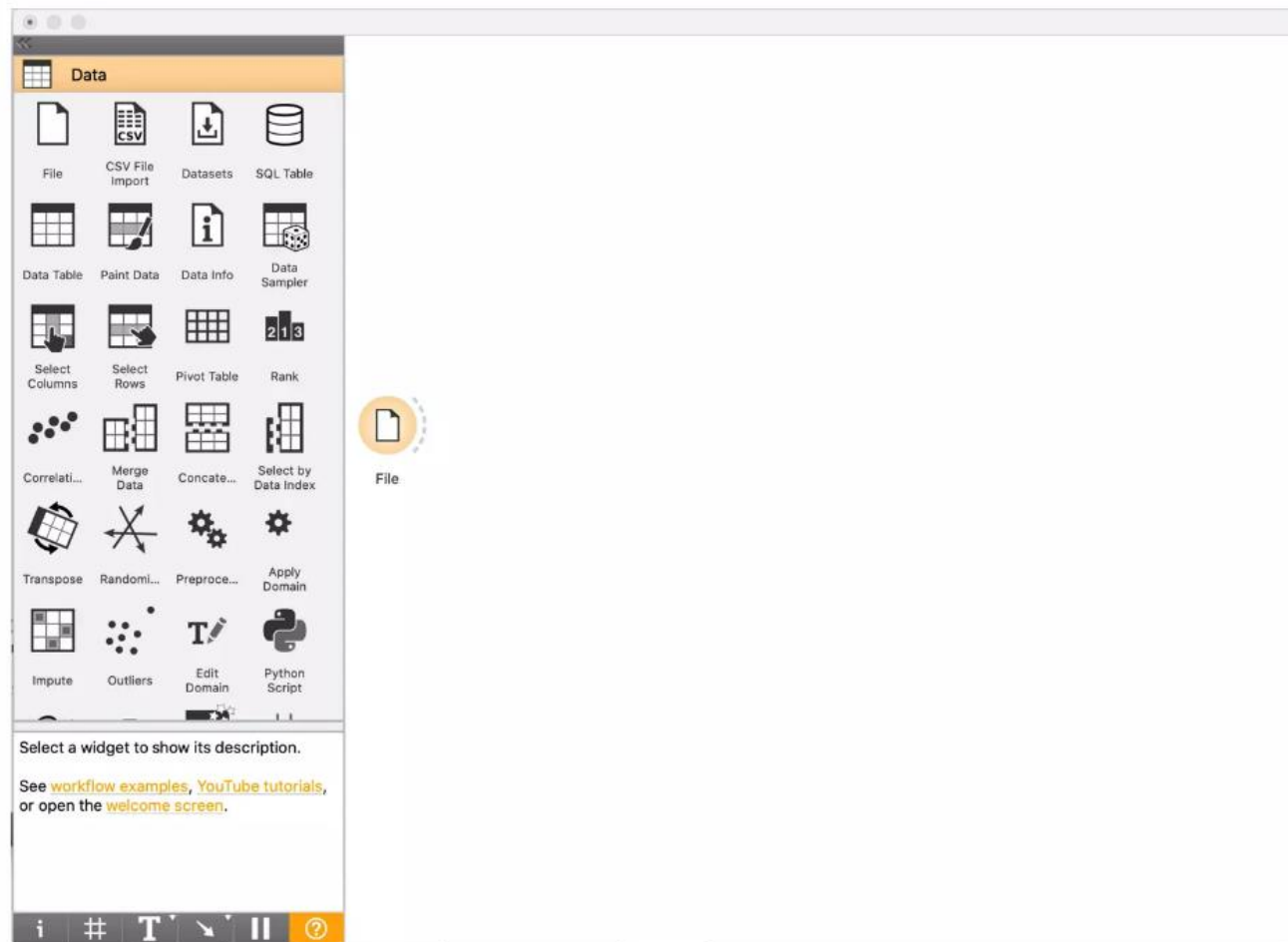


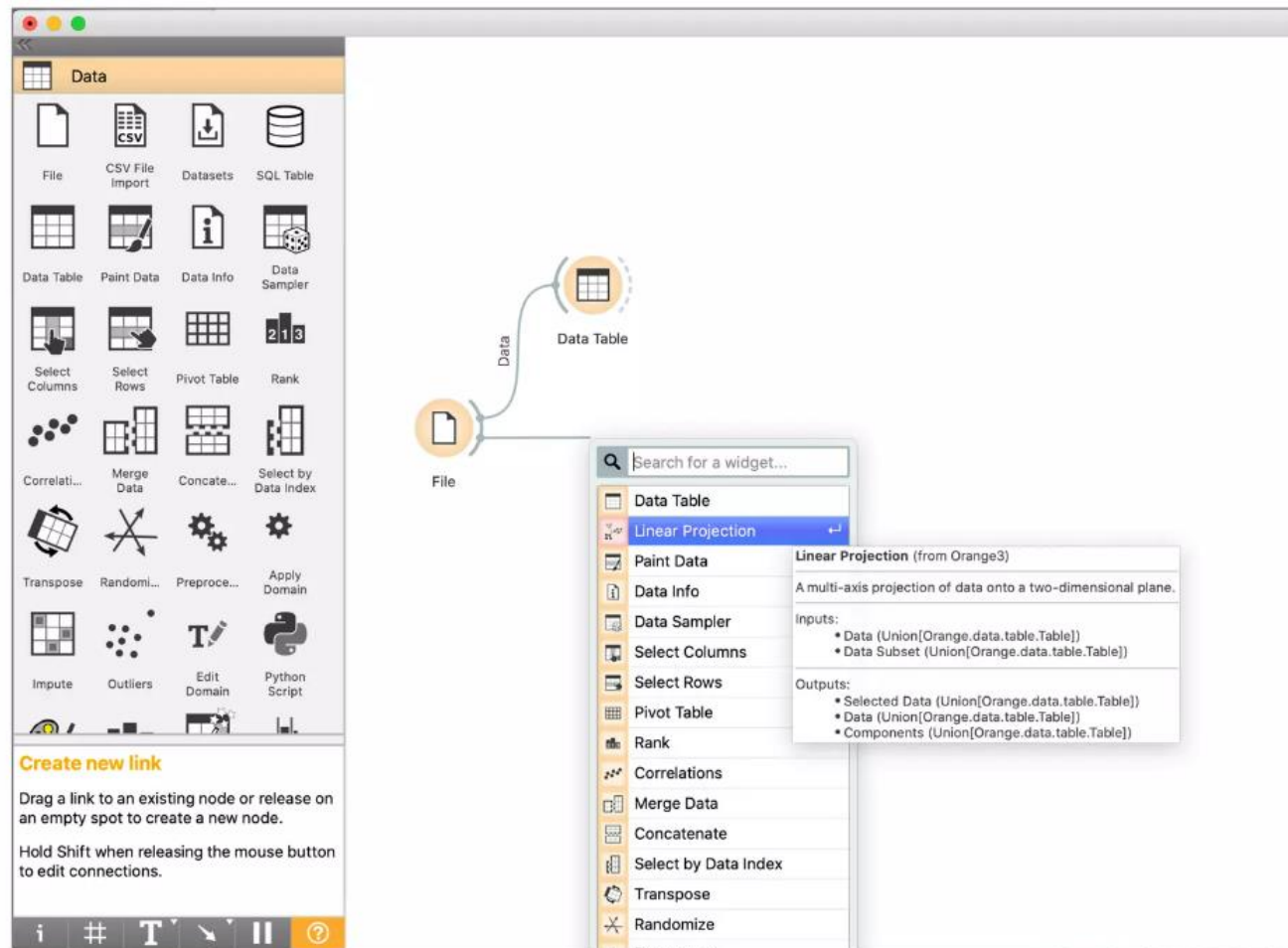
Time Series

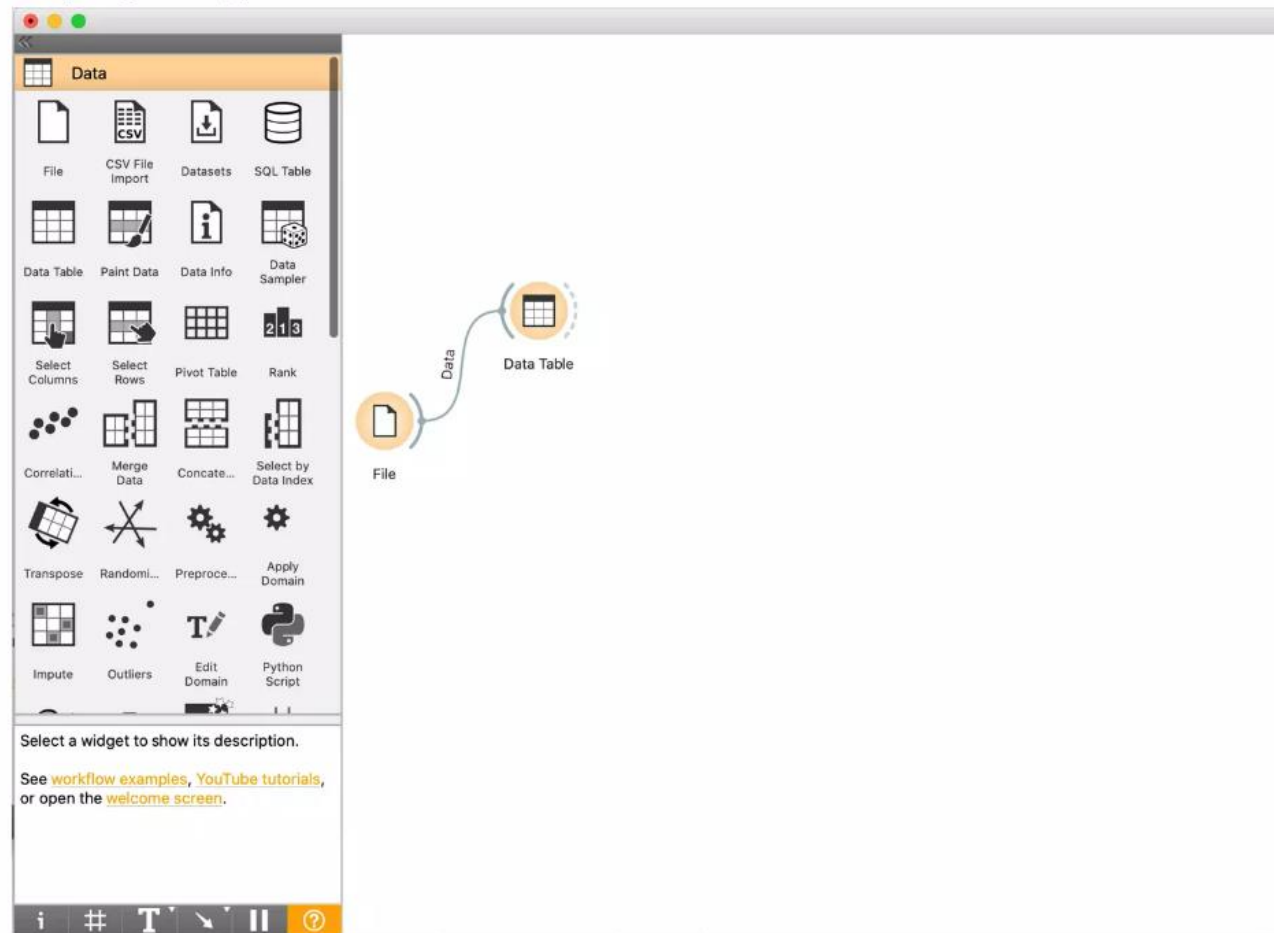








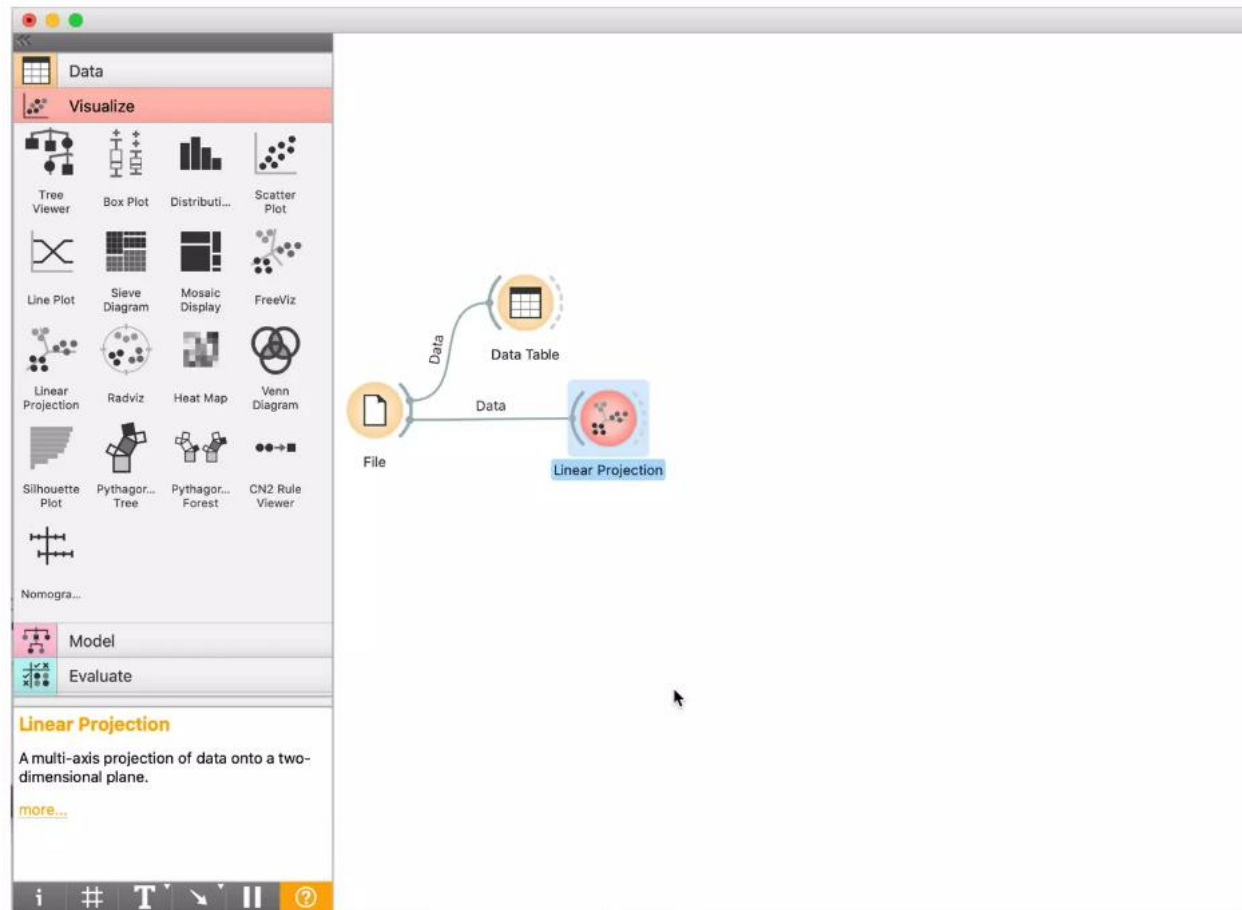


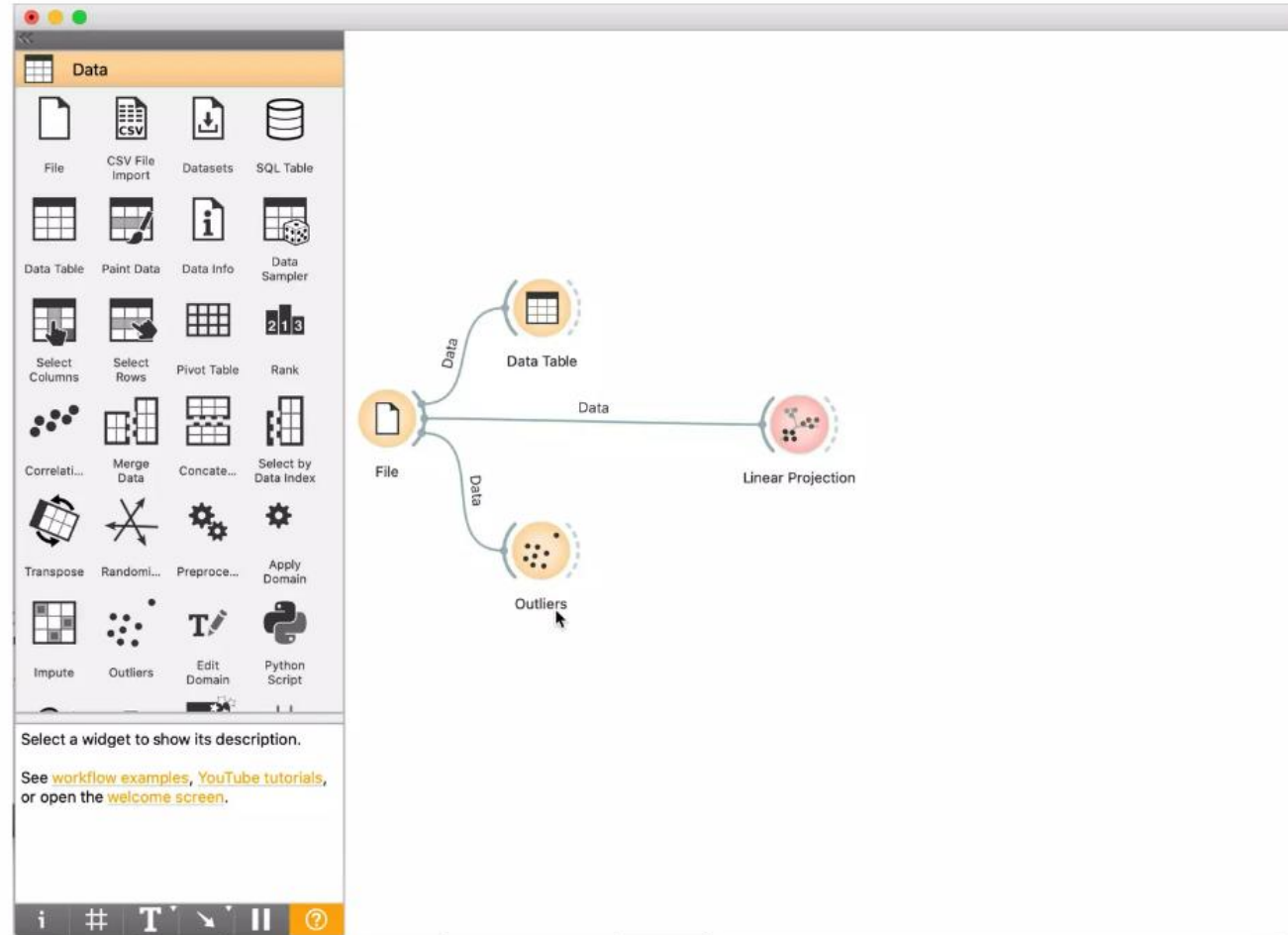


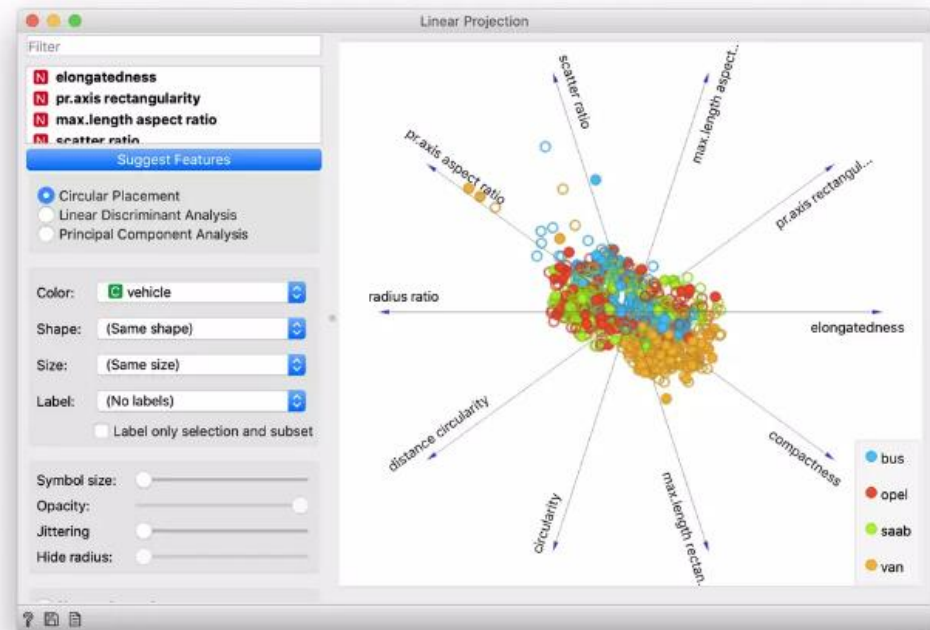
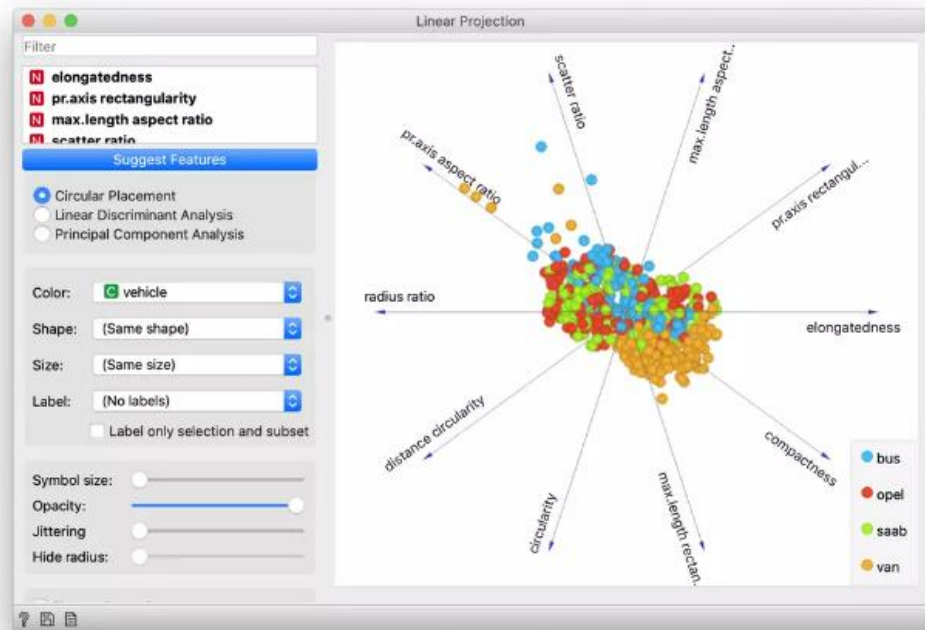
The screenshot displays the Orange3 data mining software interface. On the left is a sidebar with a 'Visualize' tab selected, showing a grid of icons for various data visualization techniques. Below this are tabs for 'Data', 'Model', and 'Evaluate'. At the bottom of the sidebar, a description for 'Linear Projection' is provided: 'A multi-axis projection of data onto a two-dimensional plane.' with a 'more...' link.

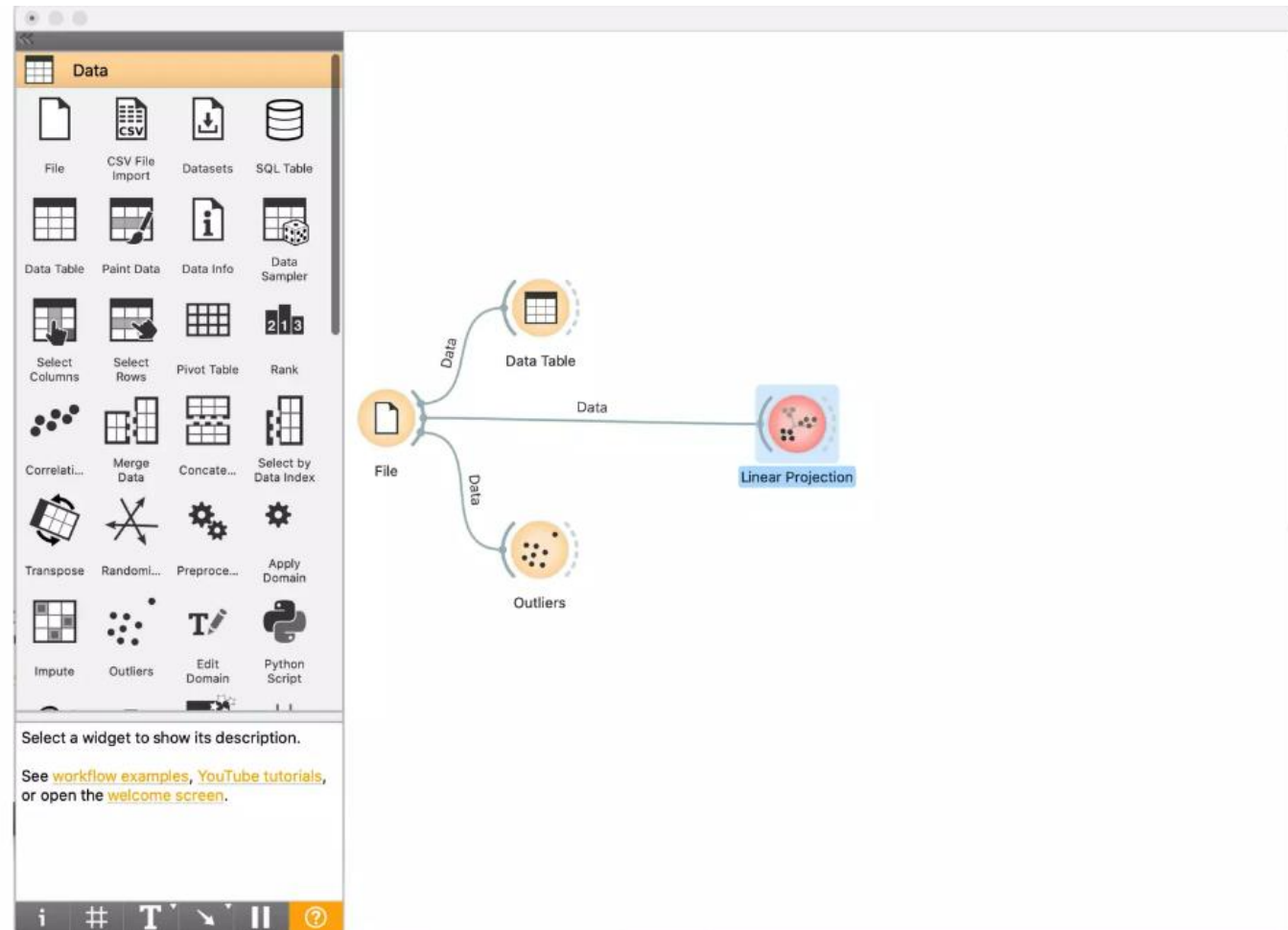
The main workspace on the right contains a workflow diagram. It starts with a 'File' widget (orange circle with a document icon) connected to a 'Data Table' widget (orange circle with a grid icon) via a 'Data' link. The 'Data Table' widget is also connected to a 'Linear Projection' widget (blue circle with a scatter plot icon) via another 'Data' link. The 'Linear Projection' widget is highlighted with a blue selection box.

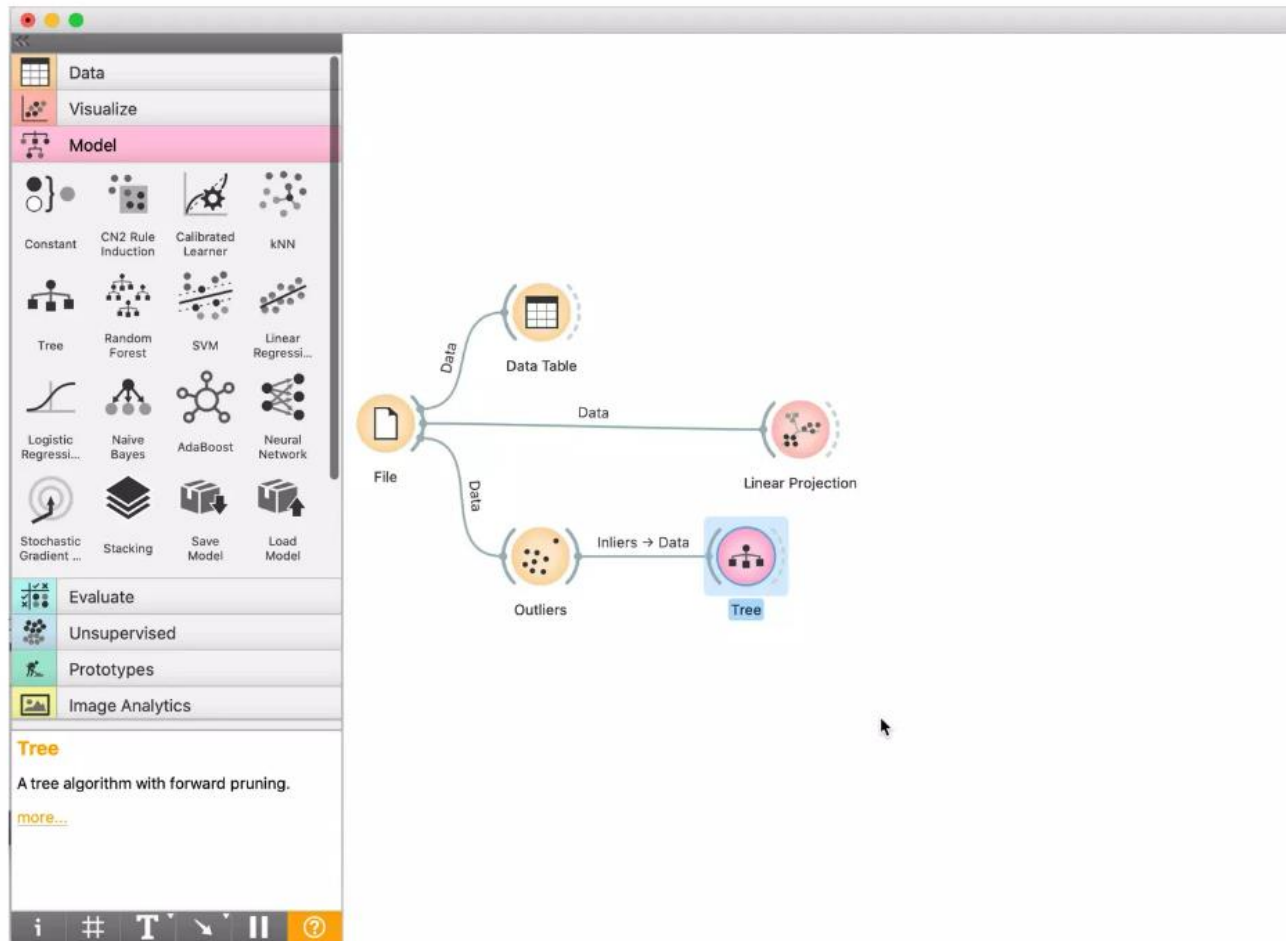
At the bottom of the sidebar, there is a toolbar with icons for information, zoom, text, pan, and other standard software controls.

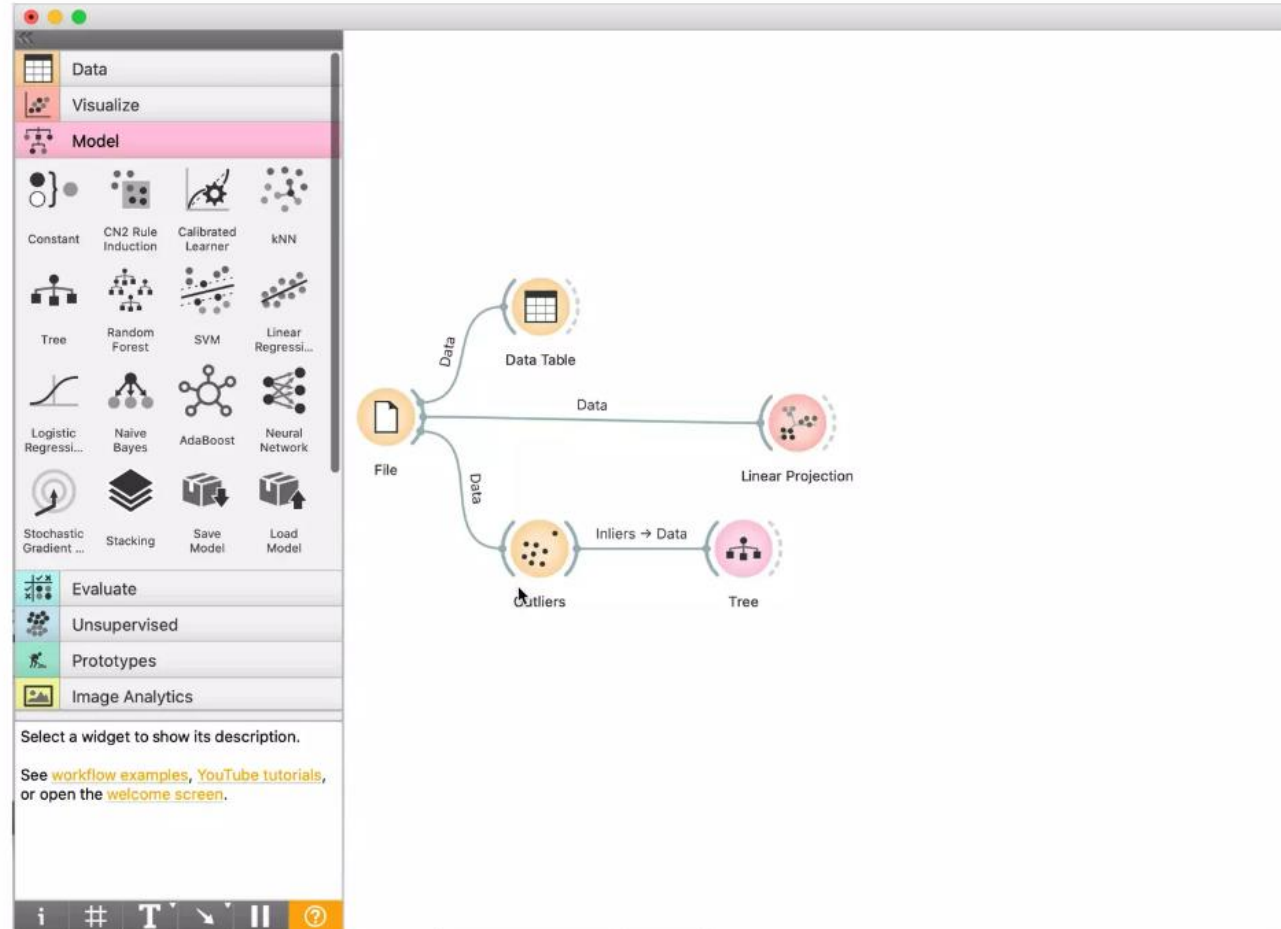


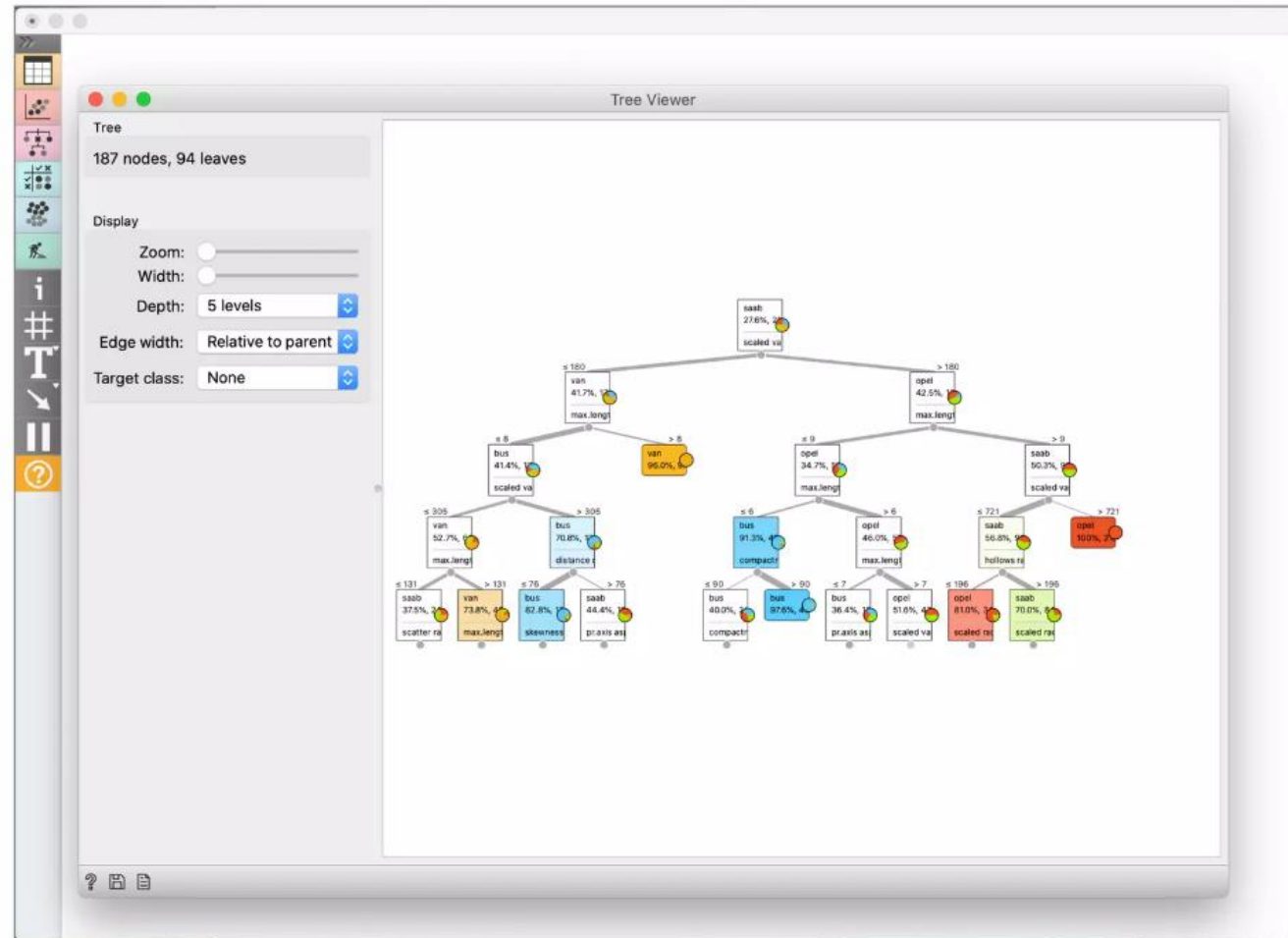


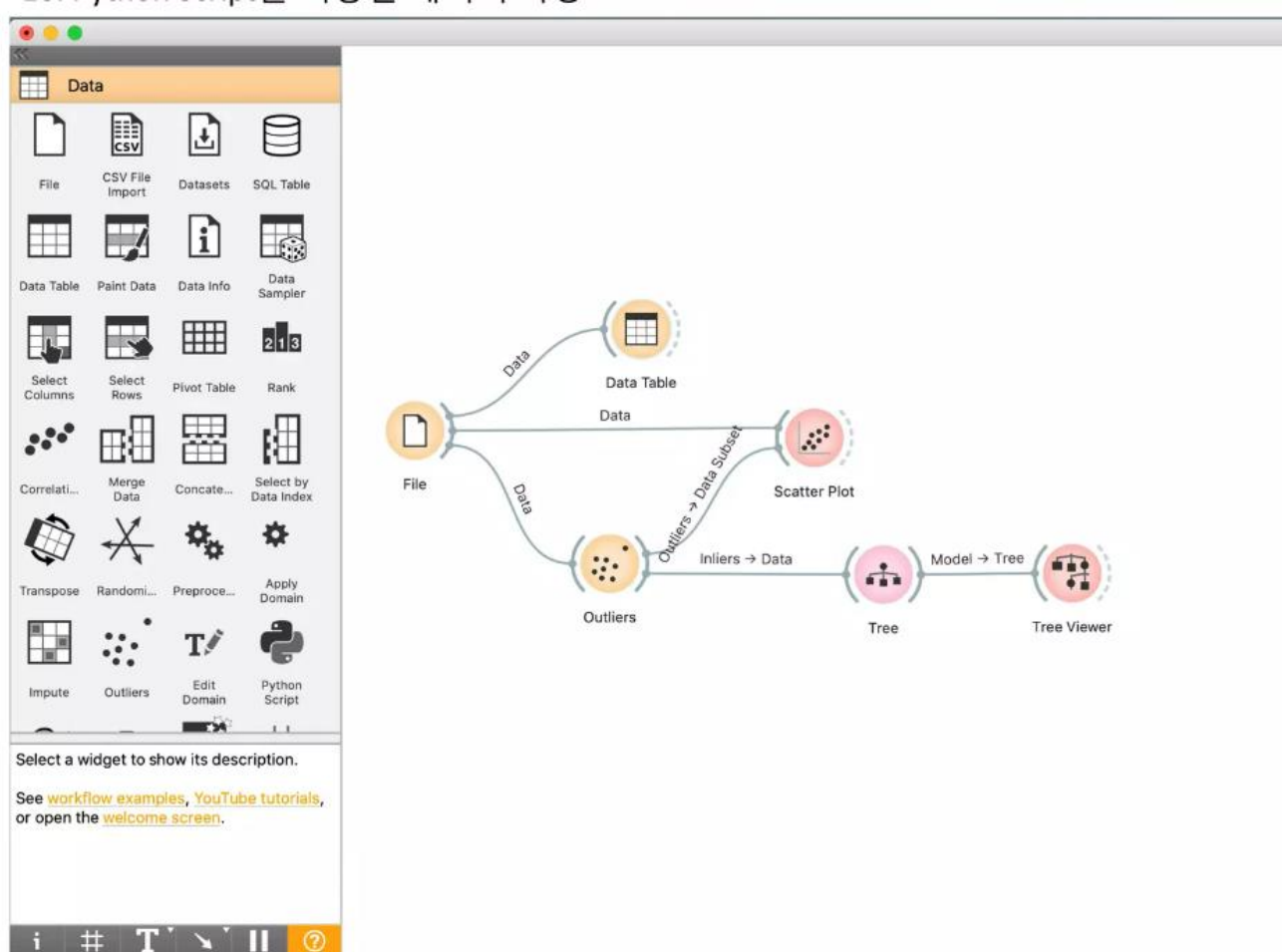


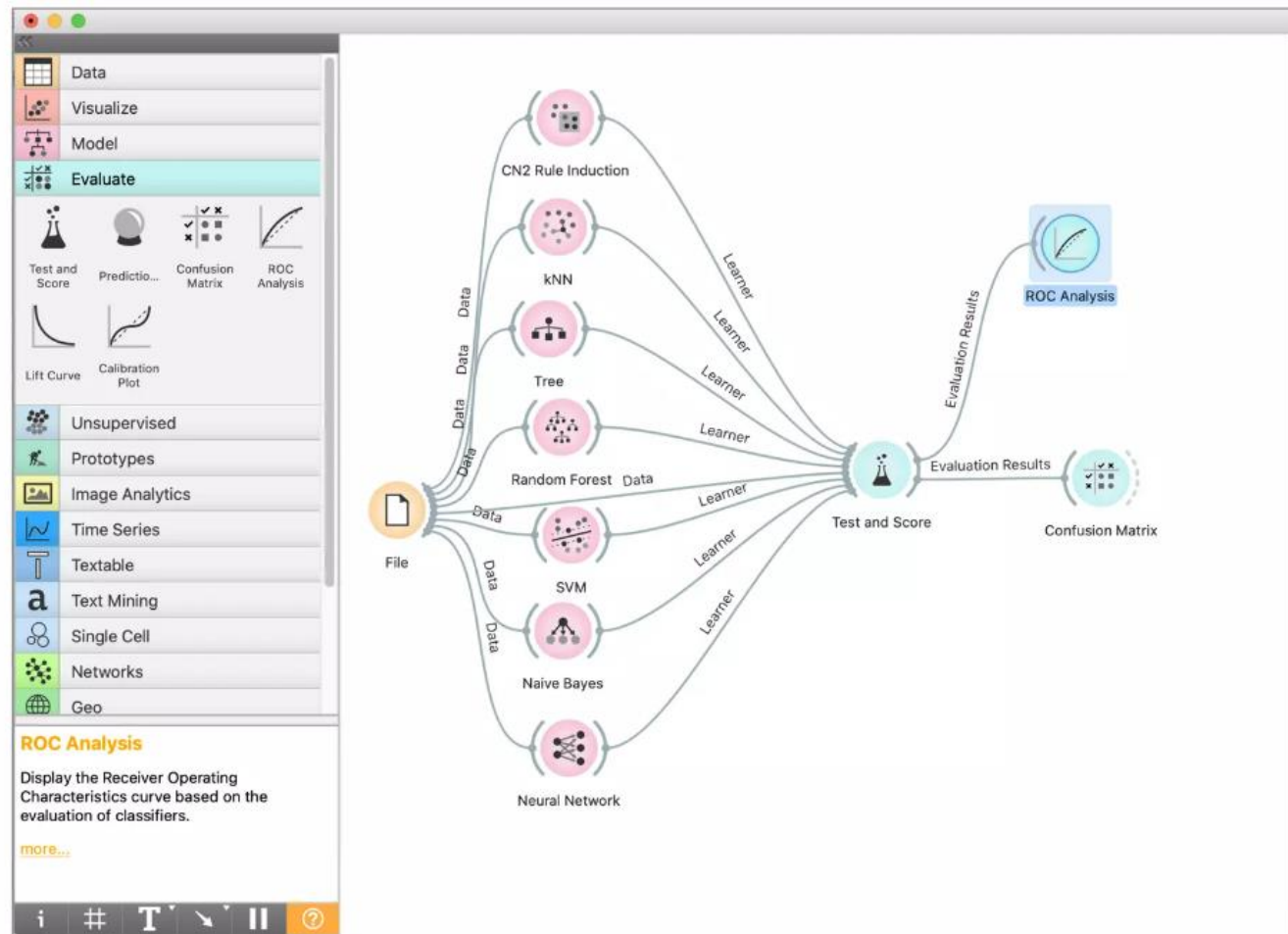












Data

Visualize

Model

Evaluate

Test and Score

Predictio...

Confusion Matrix

ROC Analysis

Lift Curve

Calibration Plot

Unsupervised

Prototypes

Image Analytics

Time Series

Textable

Text Mining

Single Cell

Networks

Geo

File

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

[more...](#)

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T

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?

File

File: zoo.tab

URL:

Info

Zoo dataset
This dataset consists of 101 animals with various traits to describe them.

101 instance(s)
16 feature(s) (no missing values)
Classification; categorical class with 7 values (no missing values)
1 meta attribute(s)

Columns (Double click to edit)

	Name	Type	Role	Values
1	hair	categorical	feature	0, 1
2	feathers	categorical	feature	0, 1
3	eggs	categorical	feature	0, 1
4	milk	categorical	feature	0, 1
5	airborne	categorical	feature	0, 1
6	aquatic	categorical	feature	0, 1

Browse documentation datasets

Reset

Apply

Neural Network

