Data Analysis



Exploratory Data Analysis (EDA) Orange Data Mining



Edgar Rios Linares

Problem

Problem description



Context

The original dataset contains 1000 records with 20 categorical attributes prepared by Prof. Hofmann.

In this dataset, each record represents a person taking out a loan from a bank.

Each person is classified as good or bad credit risk based on the set of attributes.

Link to the original dataset at

UCI Machine Learning

Content

The selected attributes:

- Age (numeric)
- Sex (text: male, female)
- Job (numeric: 0 unskilled and non-resident, 1 unskilled and resident, 2 skilled, 3 highly skilled)
- Housing (text: own, rent, or free)
- Saving accounts (text little, moderate, quite rich, rich)
- Checking account (numeric, in DM Deutsch Mark)
- Credit amount (numeric, in DM)
- Duration (numeric, in month)
- Purpose(text: car, furniture/equipment, radio/TV, domestic appliances, repairs, education, business, vacation/others
- Risk (Value target Good or Bad Risk)

Objective

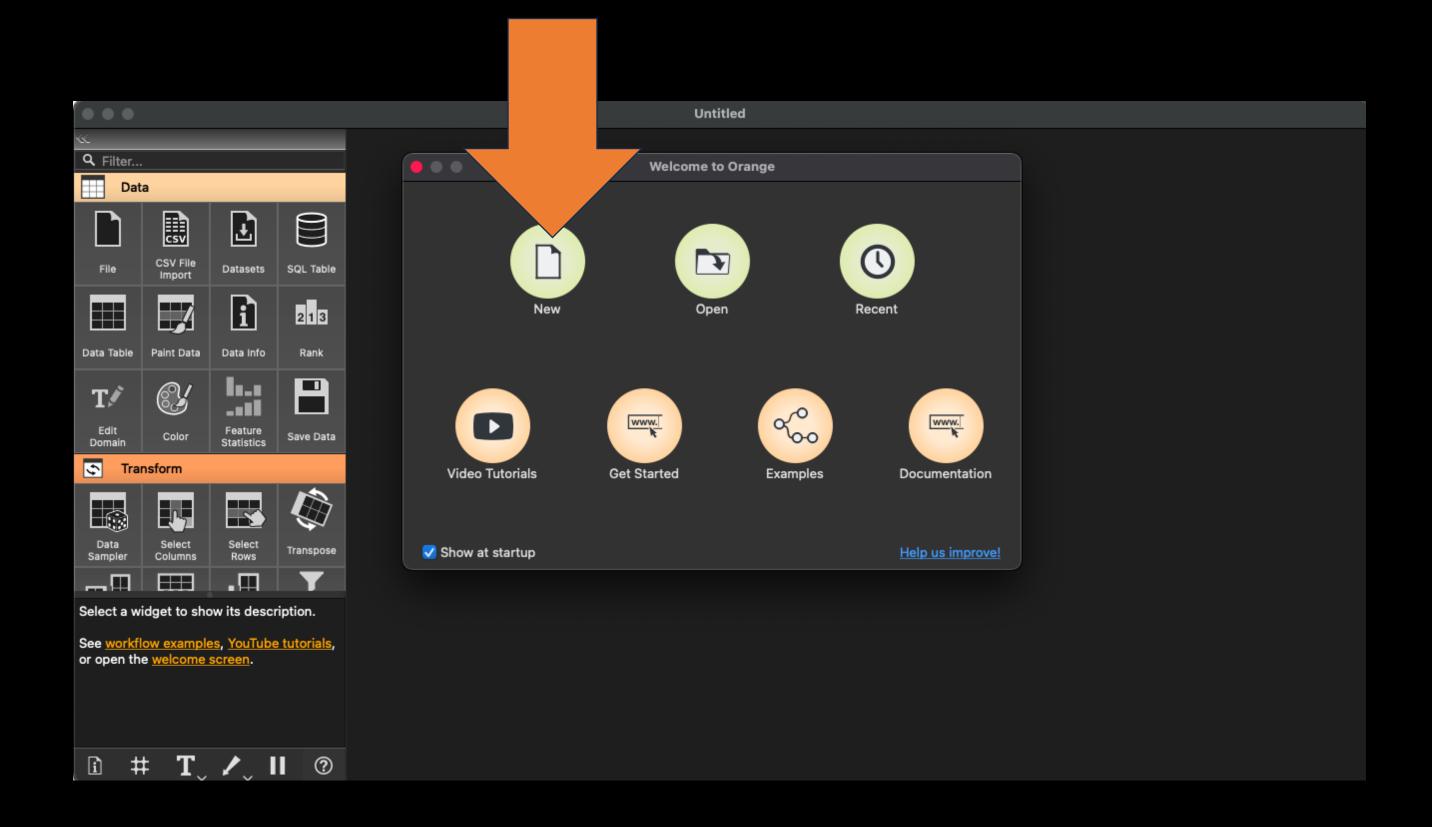
Train a model to predict from new data whether a person applying for a loan represents a good or bad risk

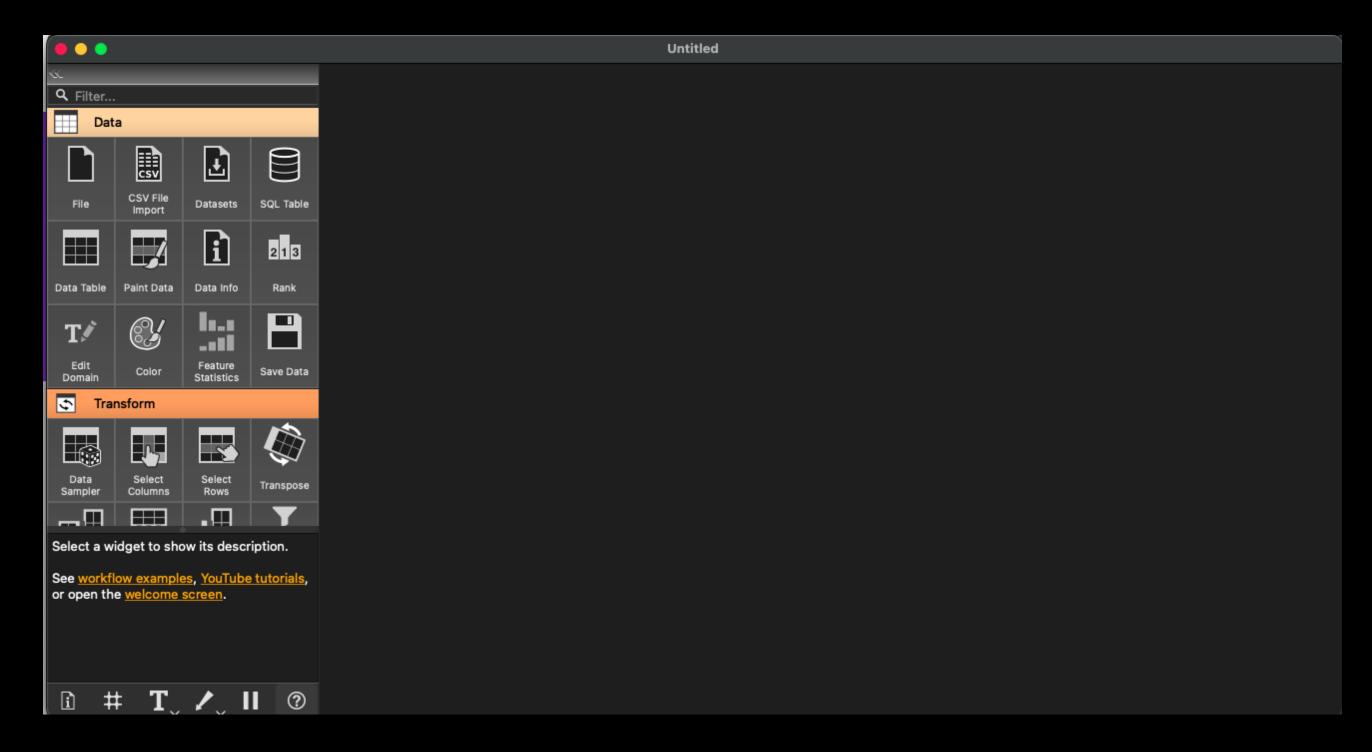
Download

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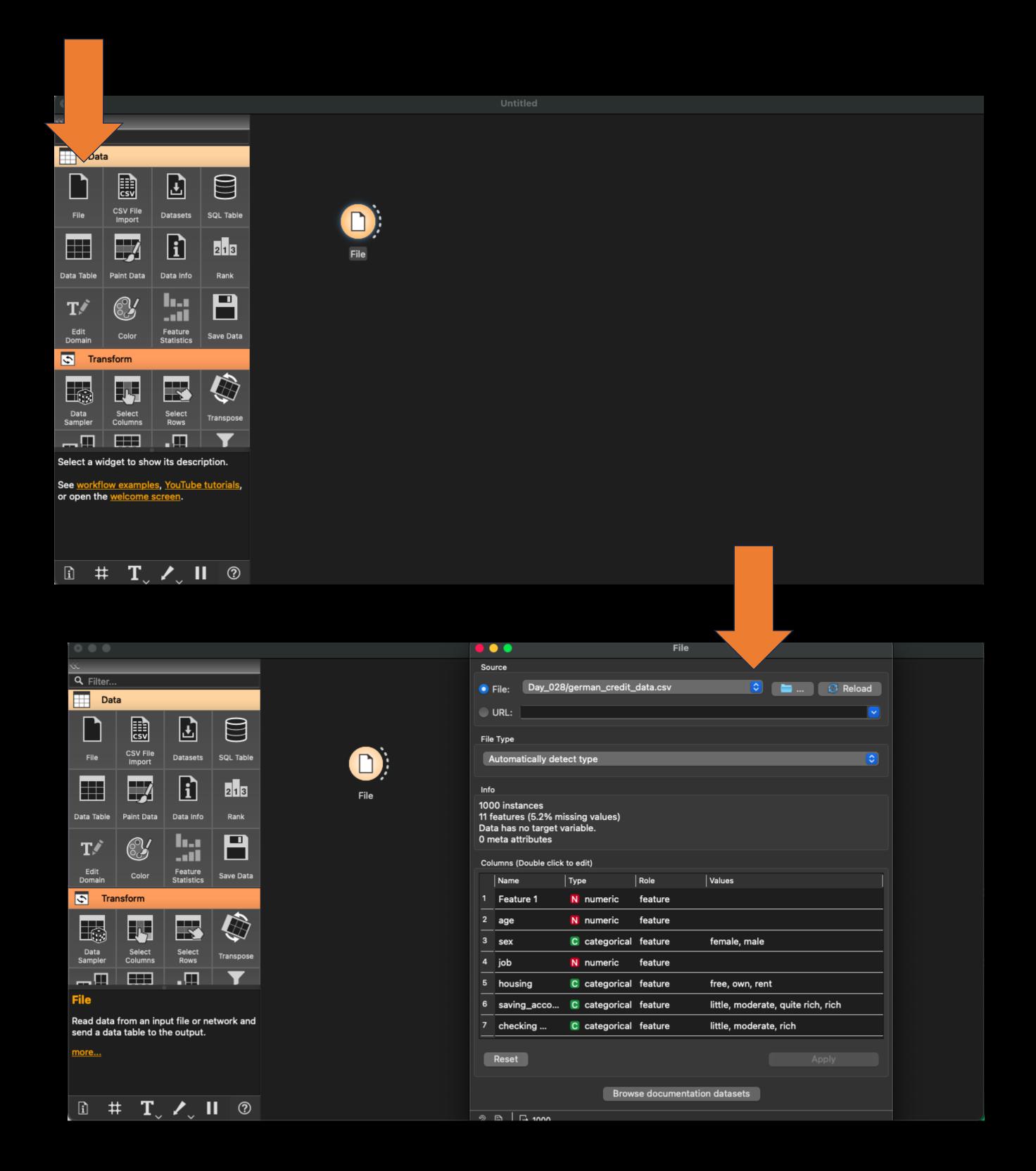


New Project



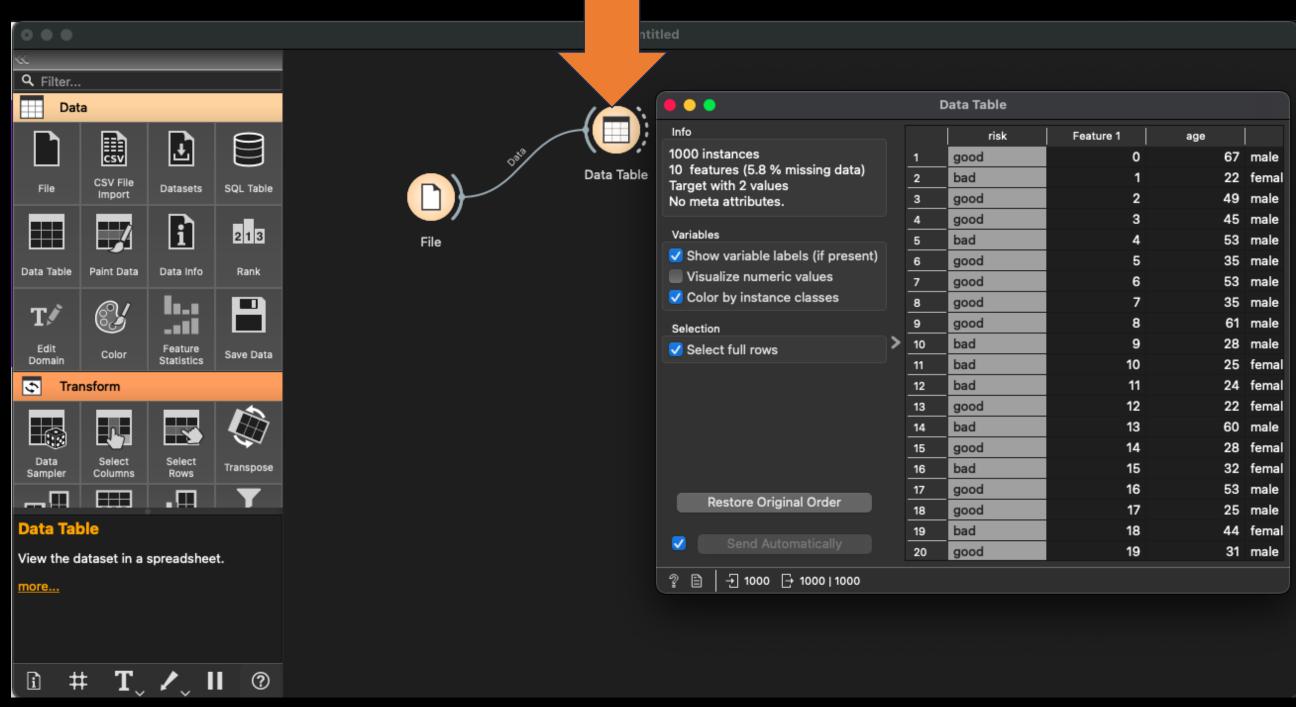


Load File

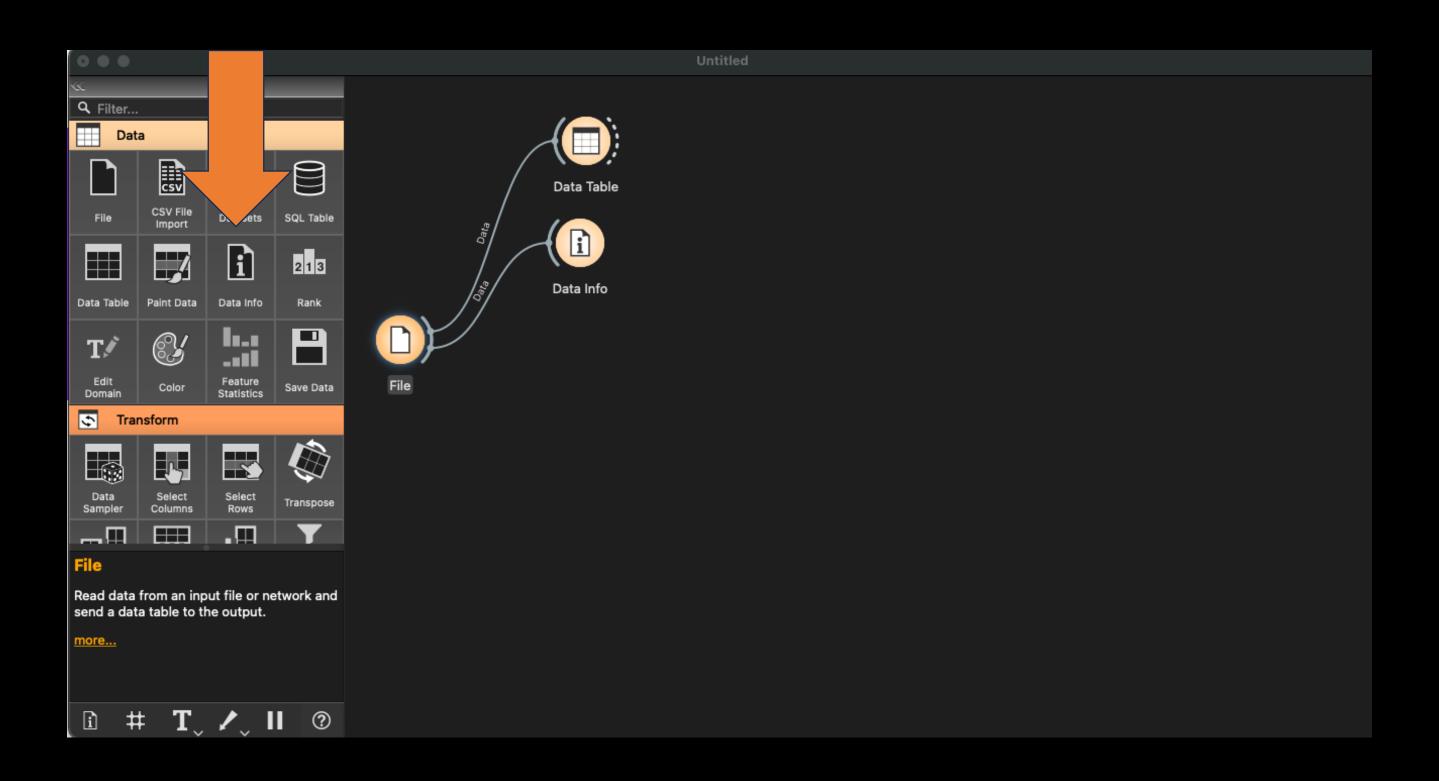


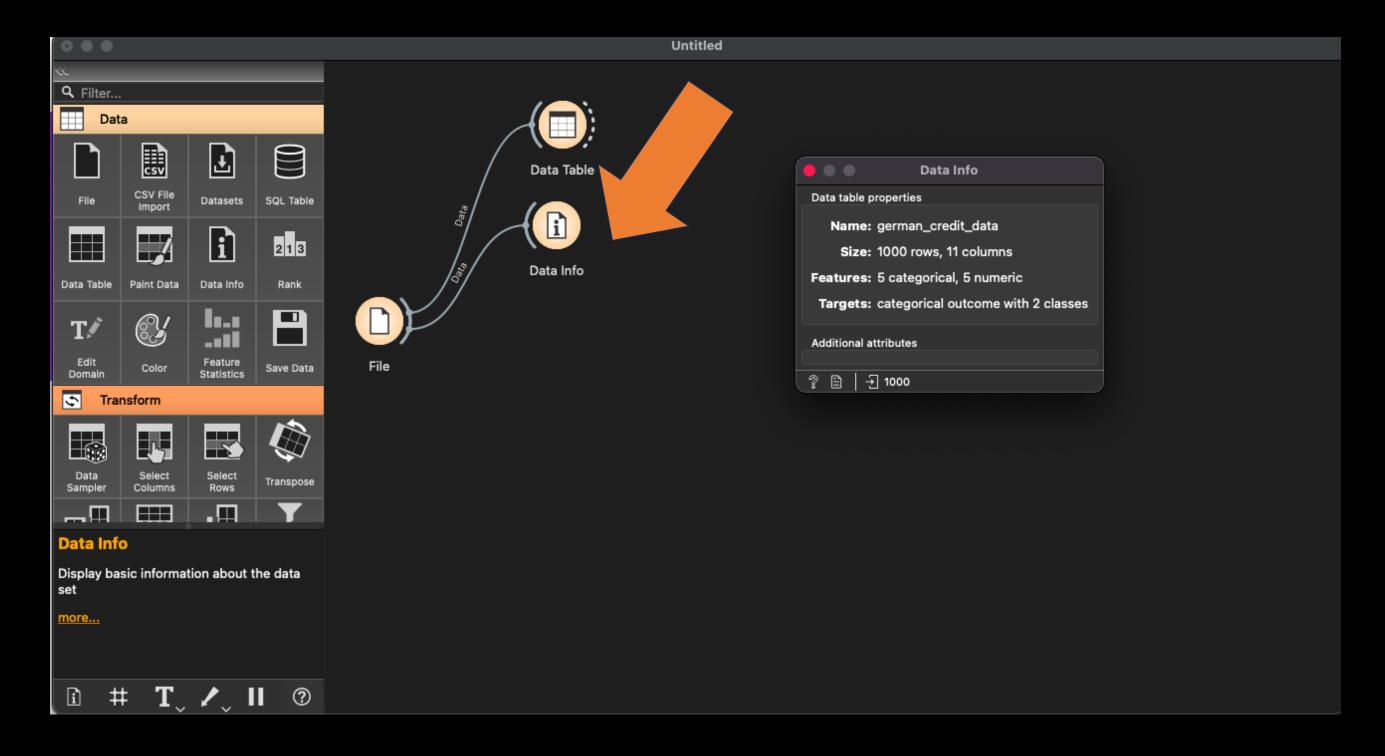
Data Table



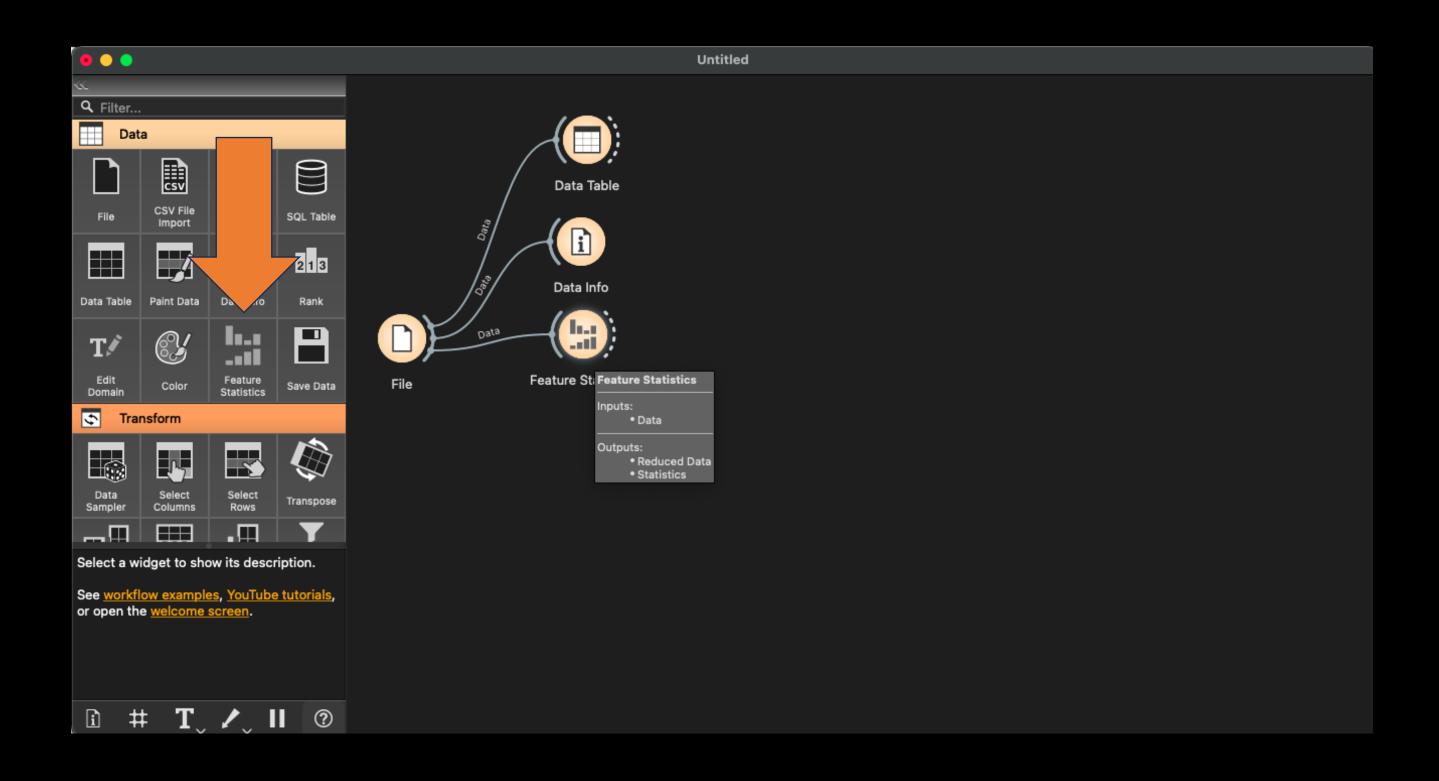


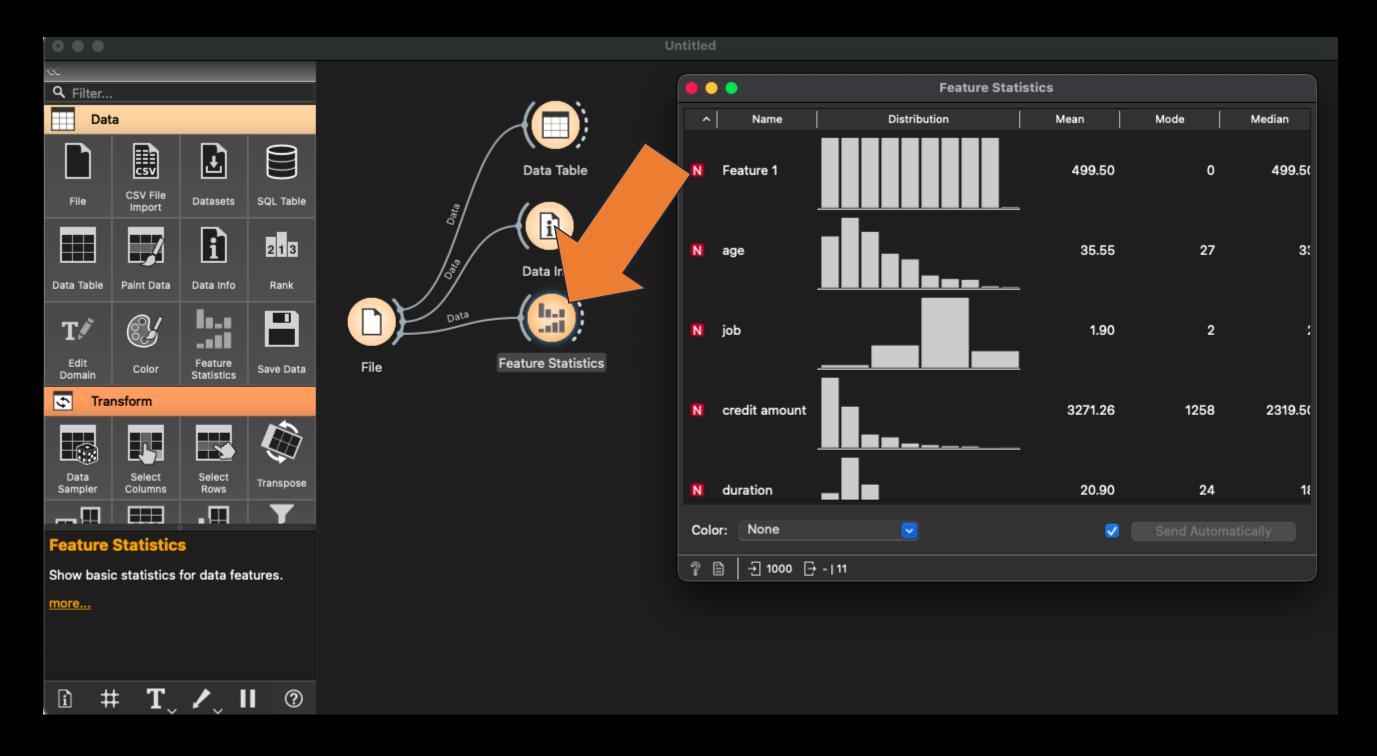
Data Info



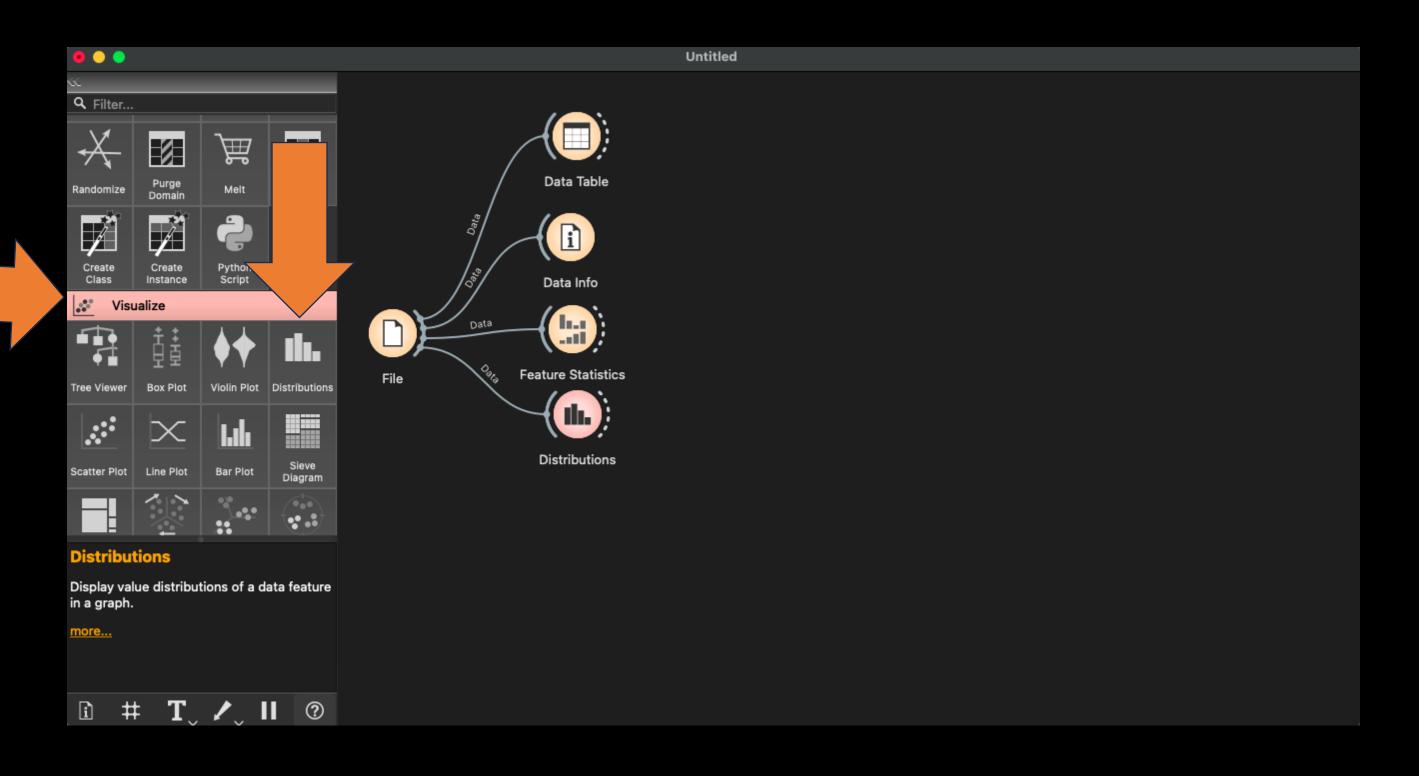


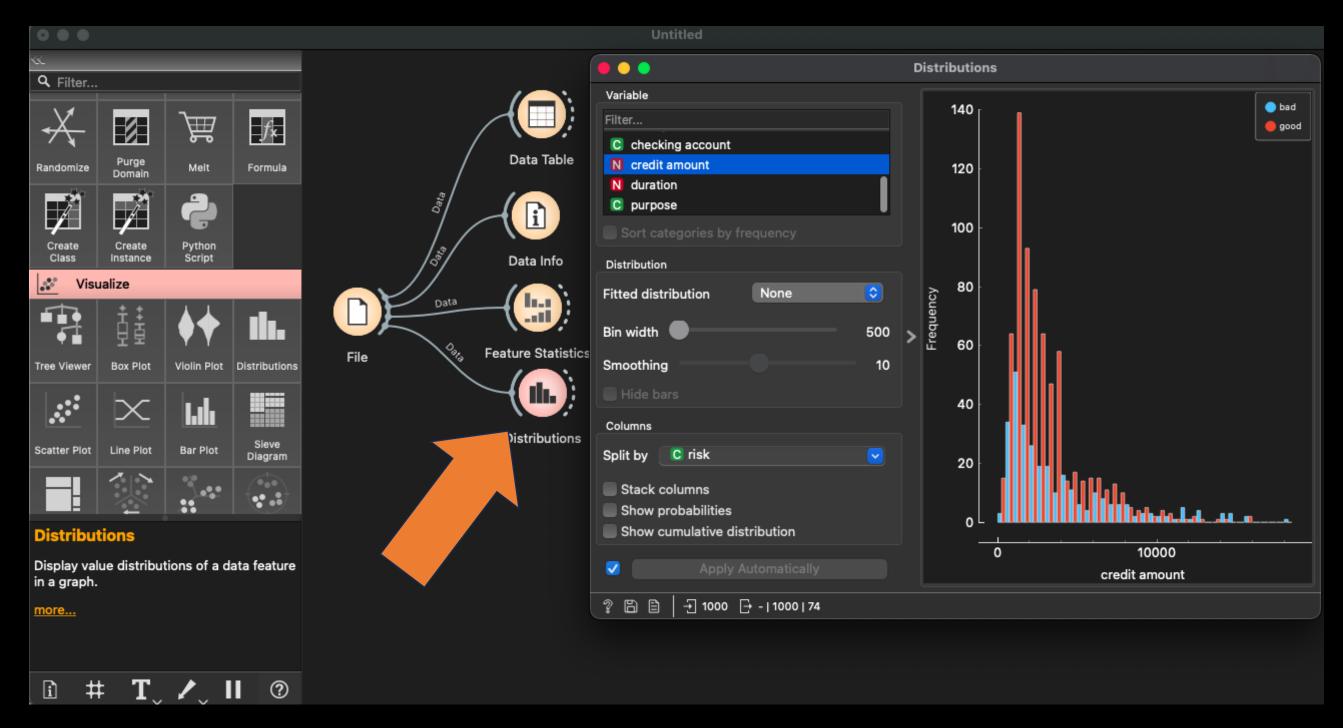
Feature Statistics



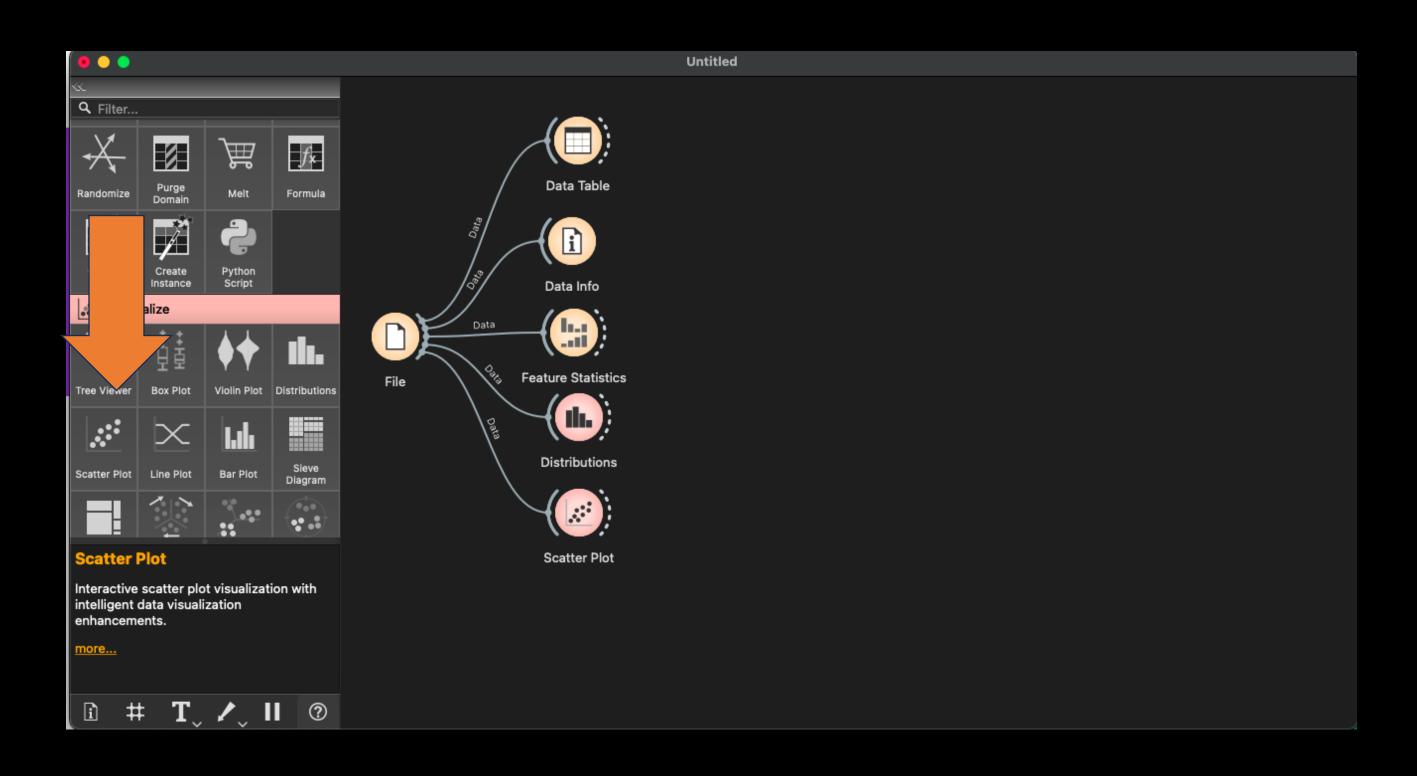


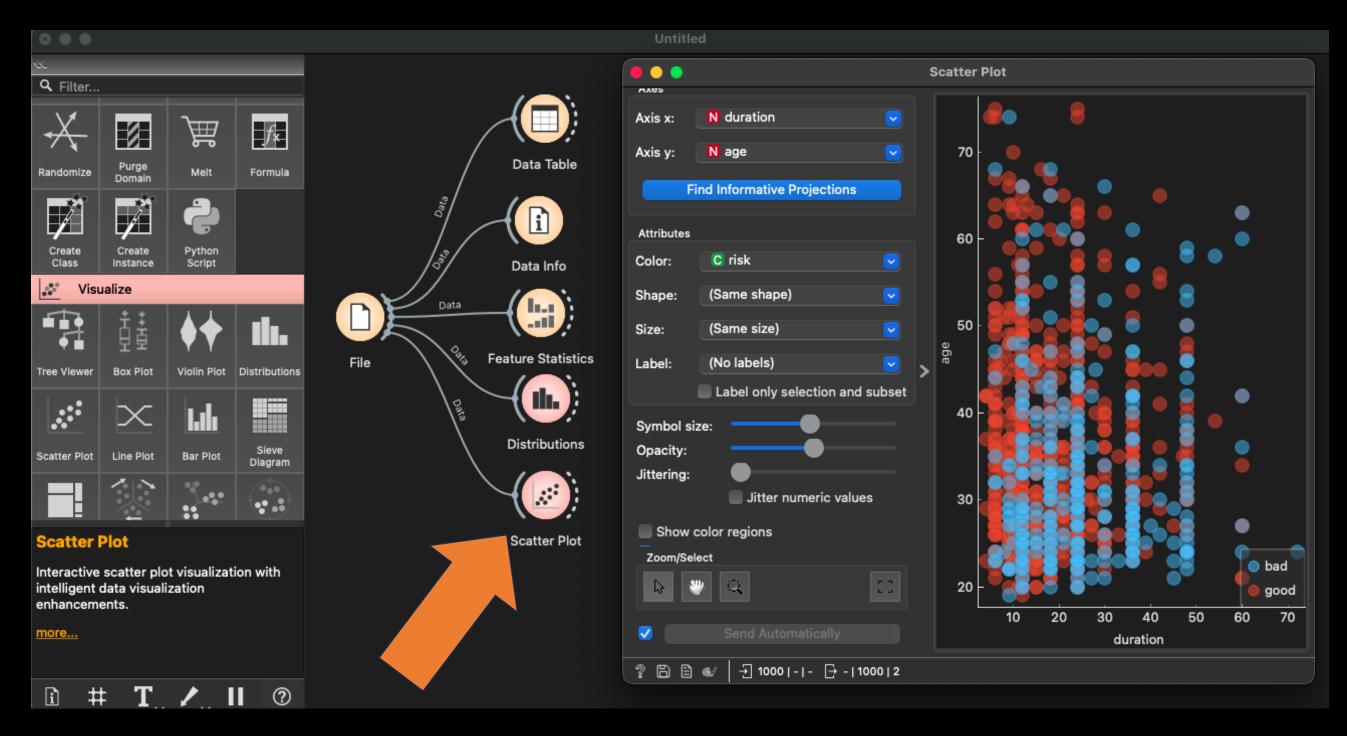
Distributions



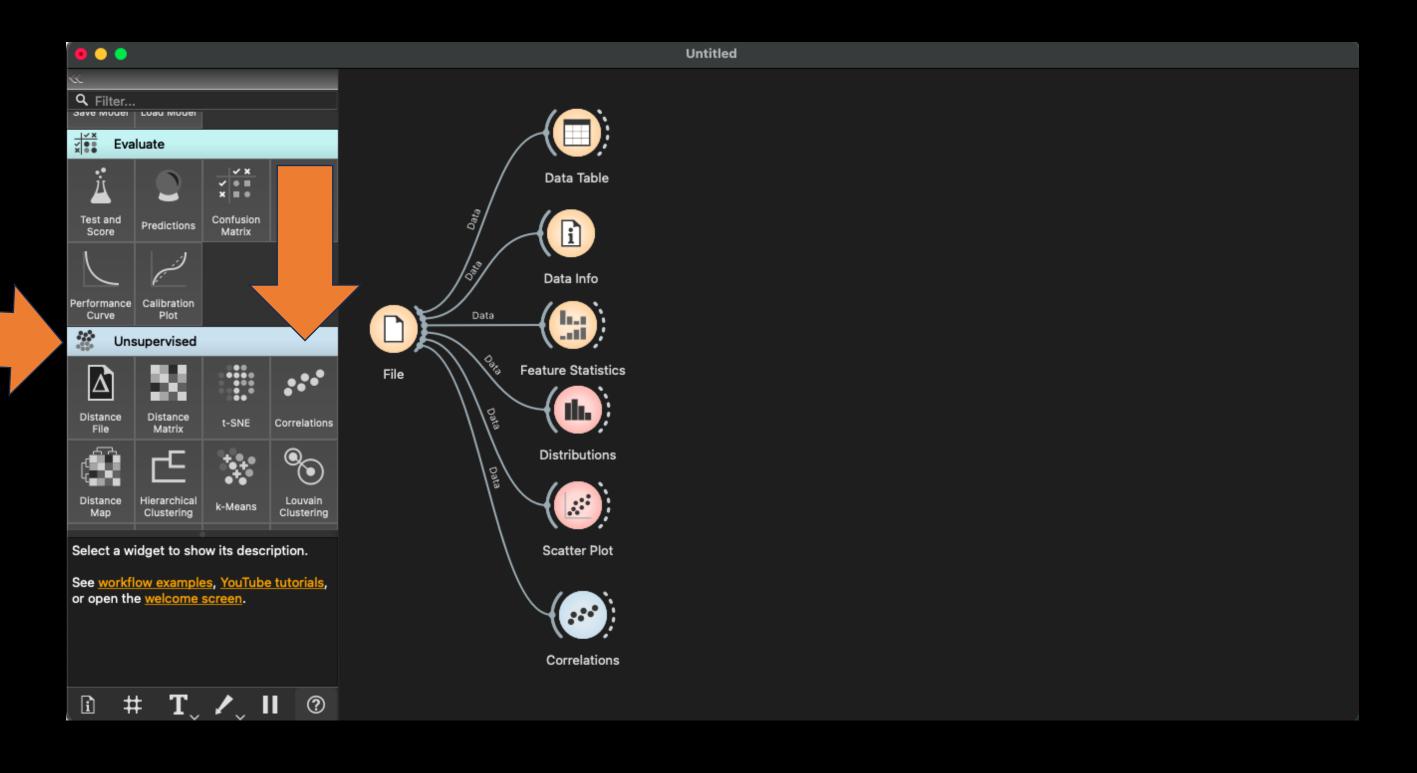


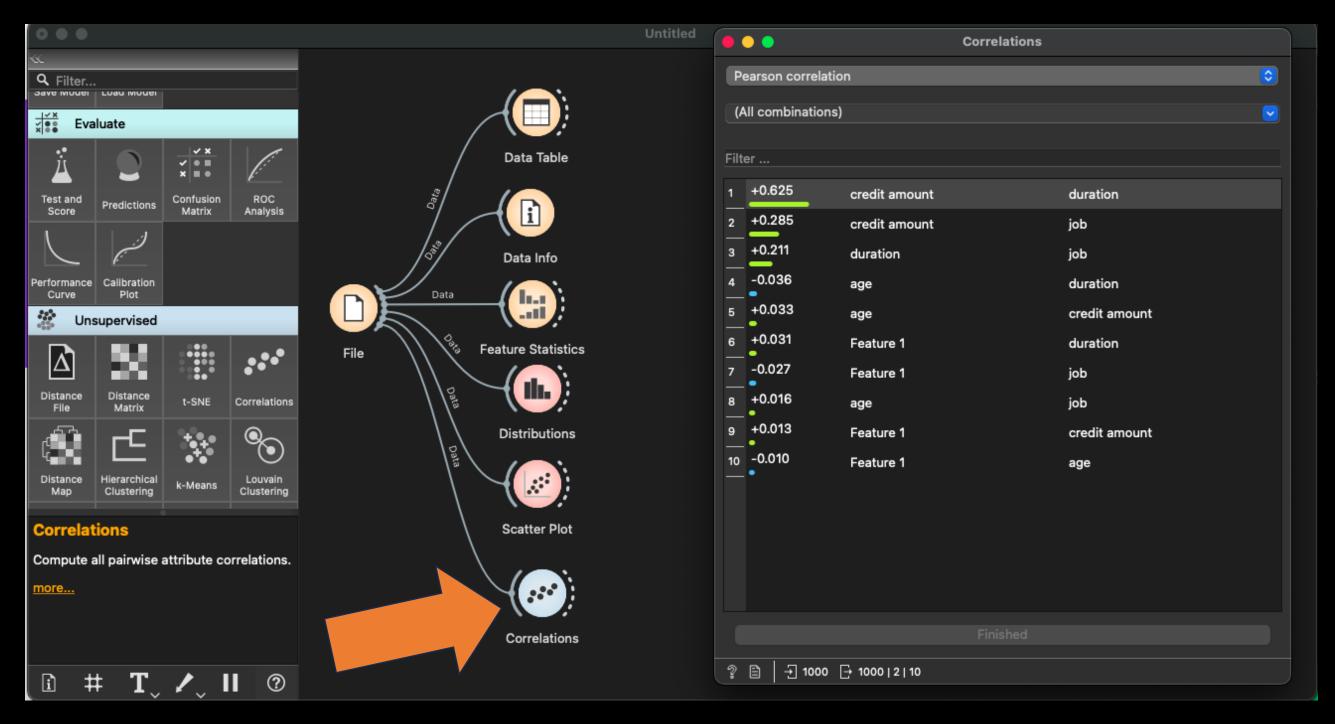
Scatter Plot





Correlations





The work is done, great job!"

You have a basic EDA quickly



Educator in Al

Artificial Intelligence

Data Engineering

Machine Learning

Data Science

TLinkedin —> https://www.linkedin.com/in/erlinares/



☐ GitHub: https://github.com/erlinares/365_Al_Journey/

Discord: https://discord.gg/5fFM2zh8



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