Multiple Linear Regression

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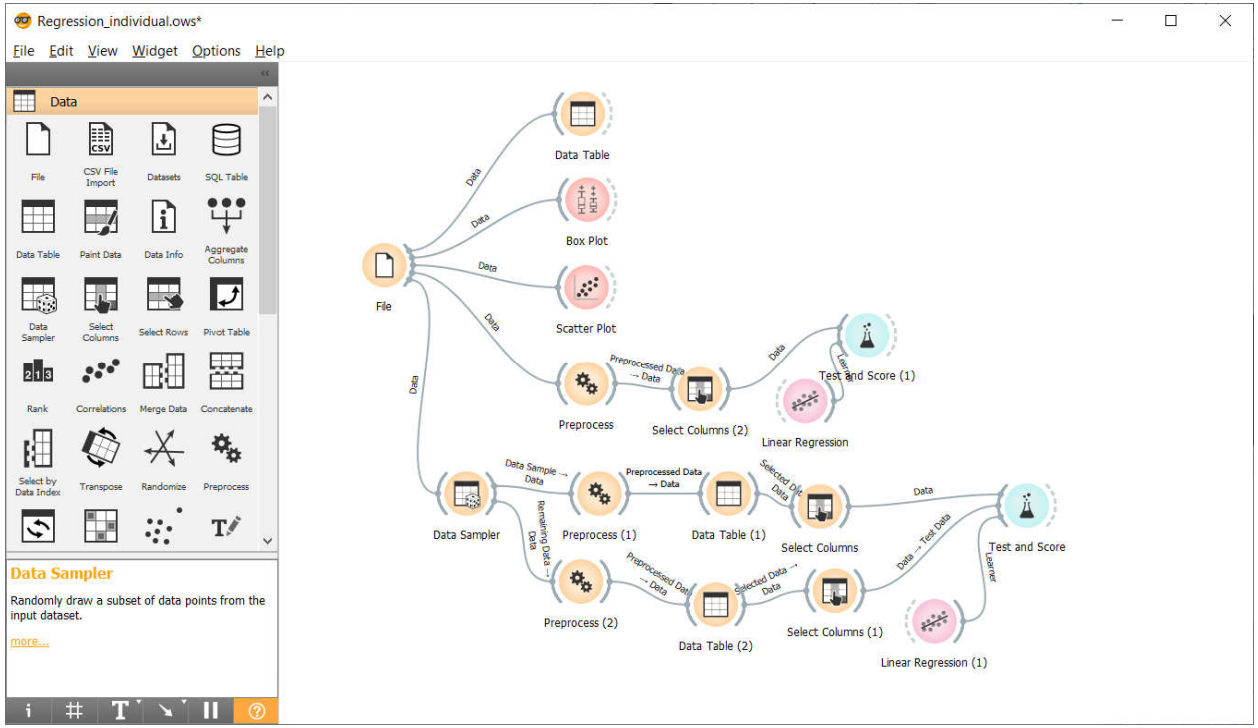
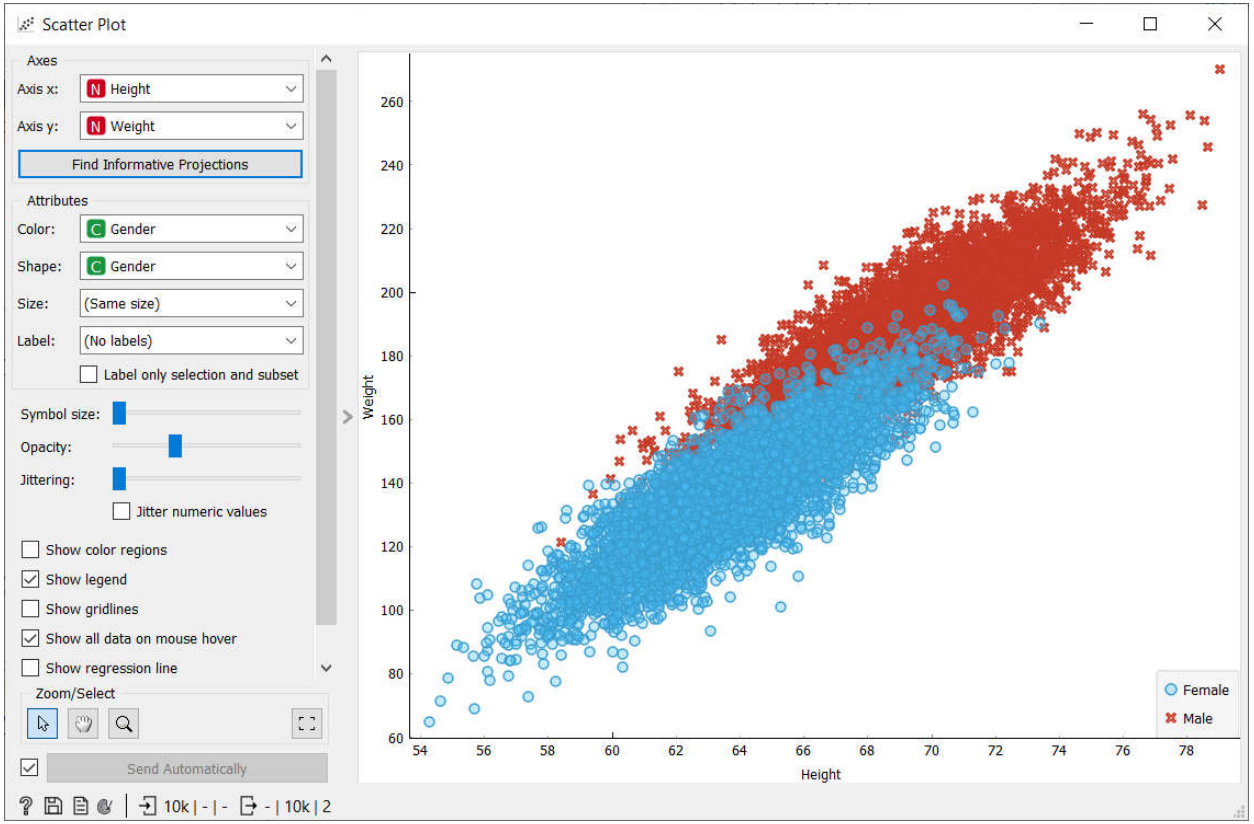
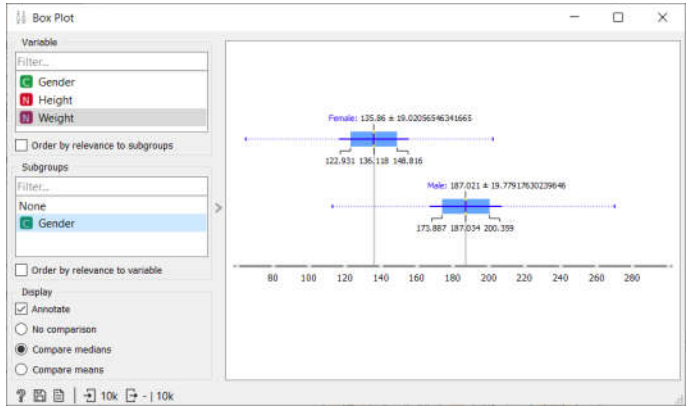
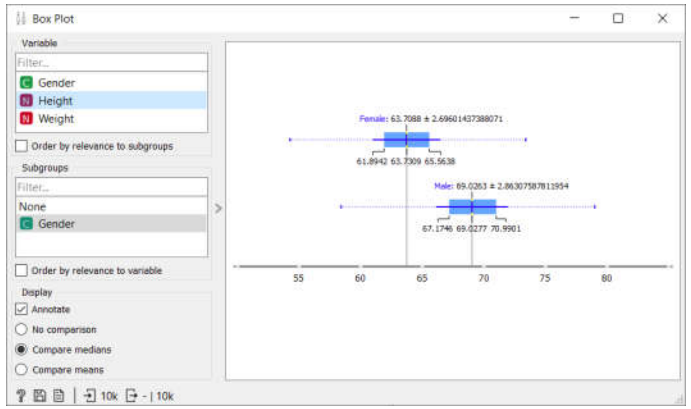
Flow Orange


Regression_individual.ows*
File Edit View Widget Options Help
Data
File
CSV File Import
Datasets
SQL Table
Data Table
Paint Data
Data Info
Aggregate Columns
Data Sampler
Select Columns
Select Rows
Pivot Table
Rank
Correlations
Merge Data
Concatenate
Select by Data Index
Transpose
Randomize
Preprocess
Data Sampler
Randomly draw a subset of data points from the input dataset.
more...
Data Table
Box Plot
Scatter Plot
File
Preprocess
Select Columns (2)
Linear Regression
Test and Score (1)
Data Sampler
Preprocess (1)
Data Table (1)
Select Columns
Test and Score
Preprocess (2)
Data Table (2)
Select Columns (1)
Linear Regression (1)

EDA


Scatter Plot
Axes
Axis x: Height
Axis y: Weight
Find Informative Projections
Attributes
Color: Gender
Shape: Gender
Size: (Same size)
Label: (No labels)
Label only selection and subset
Symbol size:
Opacity:
Jittering:
Jitter numeric values
Show color regions
Show legend
Show gridlines
Show all data on mouse hover
Show regression line
Zoom/Select
Send Automatically
10k | - | - - | 10k | 2
Weight
Height
Female
Male


Box Plot
Variable
Gender
Height
Weight
Order by relevance to subgroups
Subgroups
None
Gender
Order by relevance to variable
Display
Annotate
No comparison
Compare medians
Compare means


Box Plot
Variable
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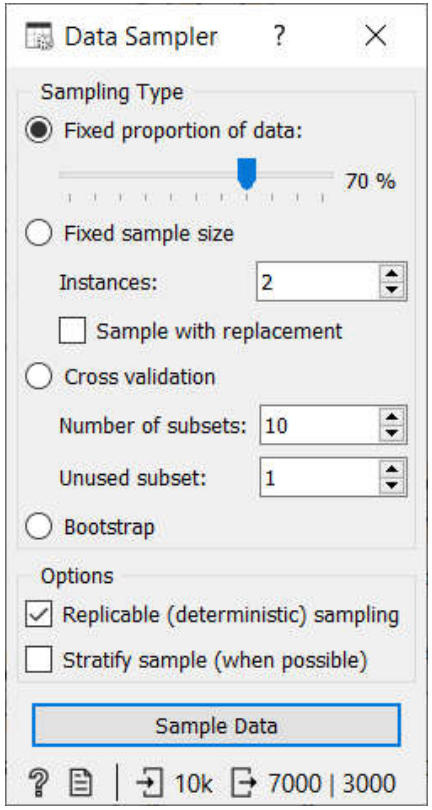
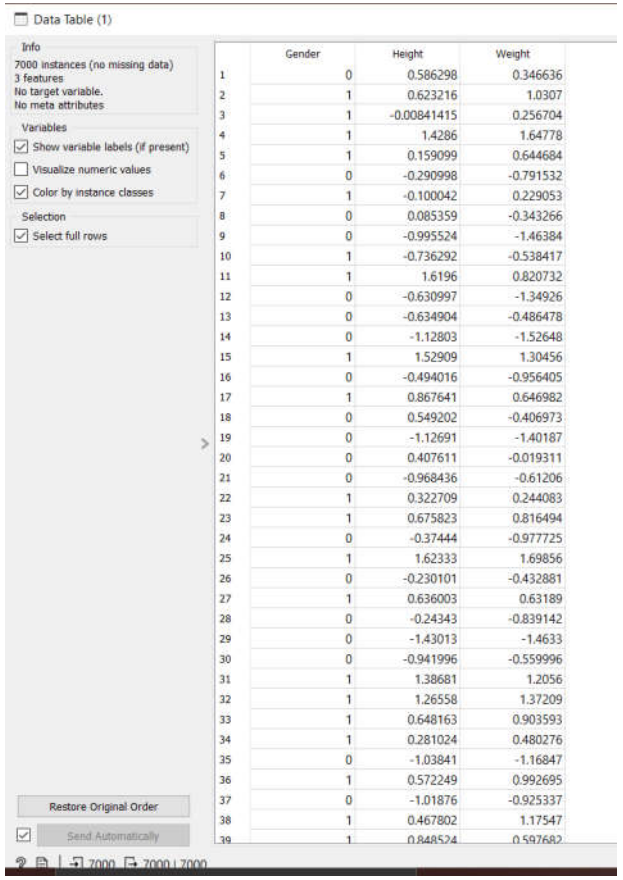
Data Sampler

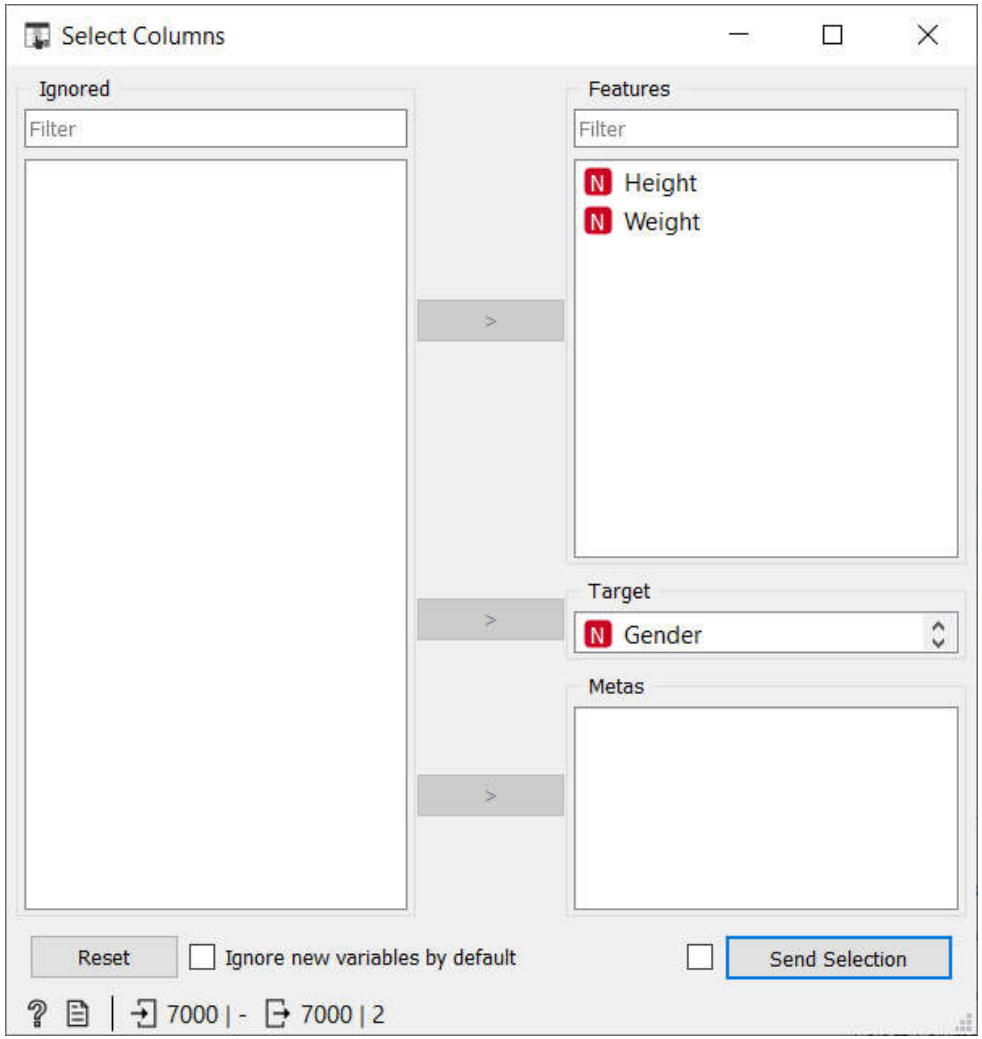


70 : 30
Training : Testing

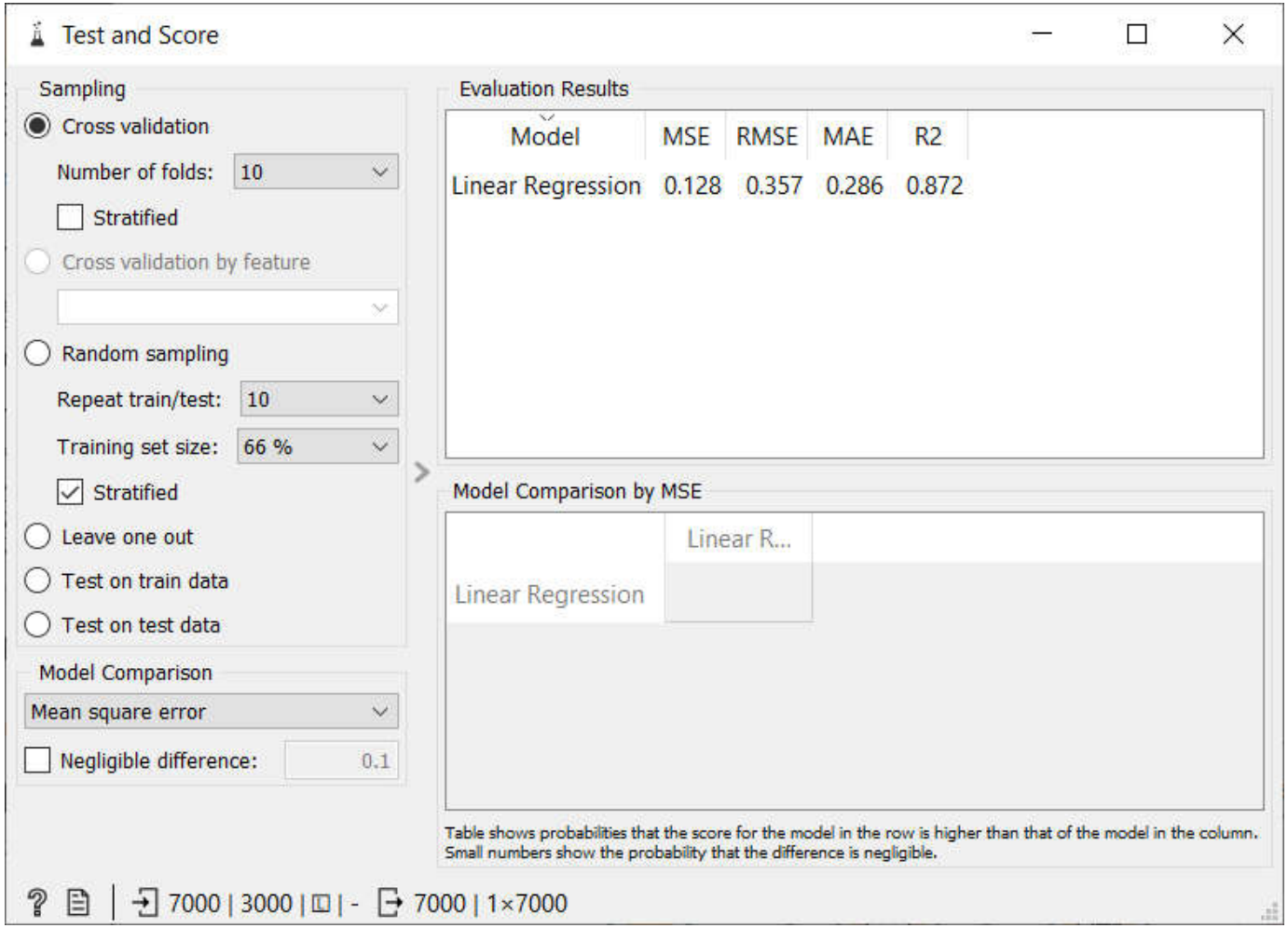


Select Column

Setelah Gender diubah menjadi numerik



Hasil R^2


Test and Score
Sampling
Cross validation
Number of folds: 10
Stratified
Cross validation by feature
Random sampling
Repeat train/test: 10
Training set size: 66 %
Stratified
Leave one out
Test on train data
Test on test data
Model Comparison
Mean square error
Negligible difference: 0.1
Evaluation Results
Model MSE RMSE MAE R2
Linear Regression 0.128 0.357 0.286 0.872
Model Comparison by MSE
Linear R...
Linear Regression
Table shows probabilities that the score for the model in the row is higher than that of the model in the column.
Small numbers show the probability that the difference is negligible.
7000 | 3000 | - 7000 | 1×7000