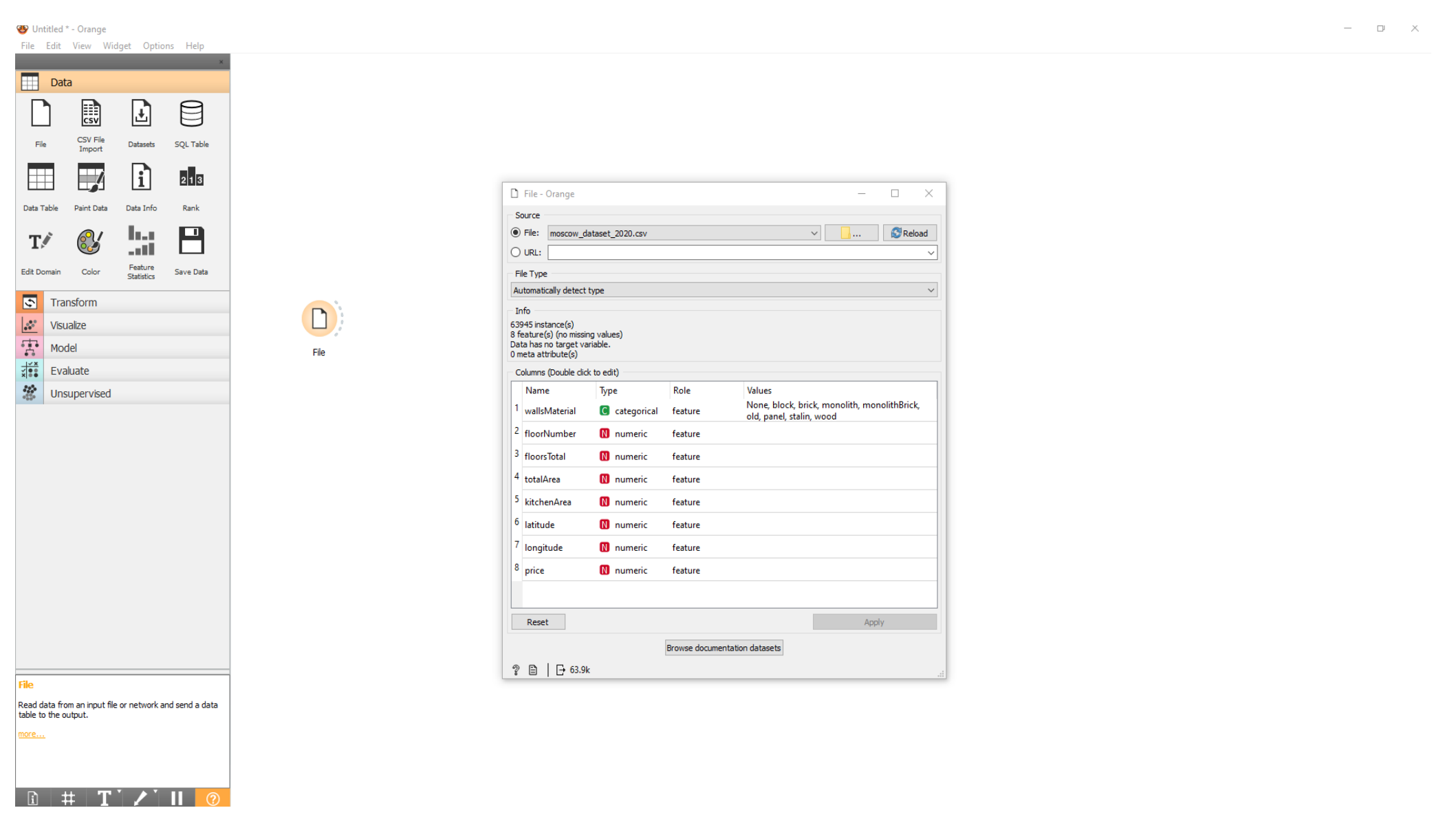
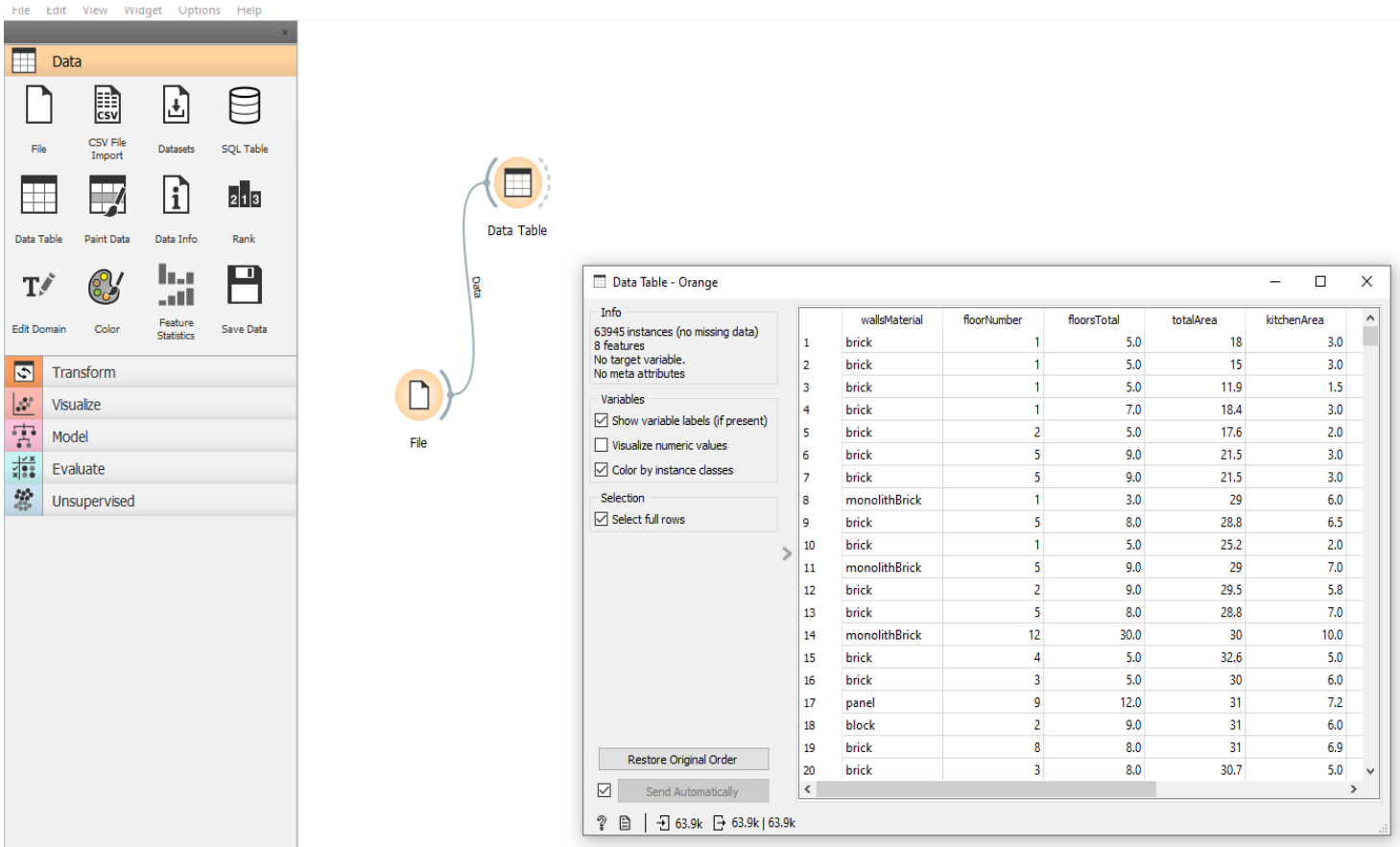

Untitled * - Orange
File Edit View Widget Options Help
Data
File
CSV File Import
Datasets
SQL Table
Data Table
Paint Data
Data Info
Rank
Edit Domain
Color
Feature Statistics
Save Data
Transform
Visualize
Model
Evaluate
Unsupervised
File
Read data from an input file or network and send a data table to the output.
more...
File
File - Orange
Source
File: moscow_dataset_2020.csv
Reload
URL:
File Type
Automatically detect type
Info
63945 instance(s)
8 feature(s) (no missing values)
Data has no target variable.
0 meta attribute(s)
Columns (Double click to edit)
Name Type Role Values
1 wallsMaterial categorical feature None, block, brick, monolith, monolithBrick, old, panel, stalin, wood
2 floorNumber numeric feature
3 floorsTotal numeric feature
4 totalArea numeric feature
5 kitchenArea numeric feature
6 latitude numeric feature
7 longitude numeric feature
8 price numeric feature
Reset
Apply
Browse documentation datasets
63.9k



	wallsMaterial	floorNumber	floorsTotal	totalArea	kitchenArea
1	brick	1	5.0	18	3.0
2	brick	1	5.0	15	3.0
3	brick	1	5.0	11.9	1.5
4	brick	1	7.0	18.4	3.0
5	brick	2	5.0	17.6	2.0
6	brick	5	9.0	21.5	3.0
7	brick	5	9.0	21.5	3.0
8	monolithBrick	1	3.0	29	6.0
9	brick	5	8.0	28.8	6.5
10	brick	1	5.0	25.2	2.0
11	monolithBrick	5	9.0	29	7.0
12	brick	2	9.0	29.5	5.8
13	brick	5	8.0	28.8	7.0
14	monolithBrick	12	30.0	30	10.0
15	brick	4	5.0	32.6	5.0
16	brick	3	5.0	30	6.0
17	panel	9	12.0	31	7.2
18	block	2	9.0	31	6.0
19	brick	8	8.0	31	6.9
20	brick	3	8.0	30.7	5.0

File Edit View Widget Options Help

Data

File | CSV File Import | Datasets | SQL Table

Data Table | Paint Data | Data Info | Rank

Edit Domain | Color | Feature Statistics | Save Data

Transform

Visualize

Model

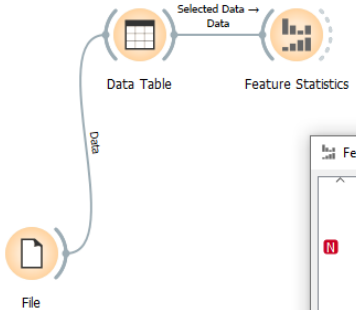
Evaluate

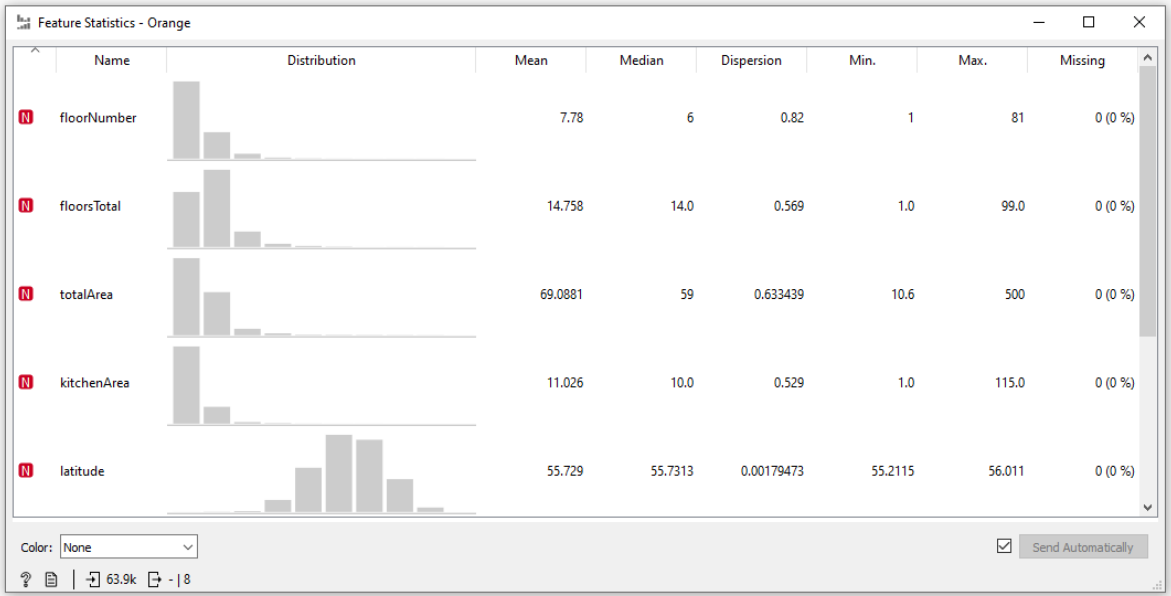
Unsupervised

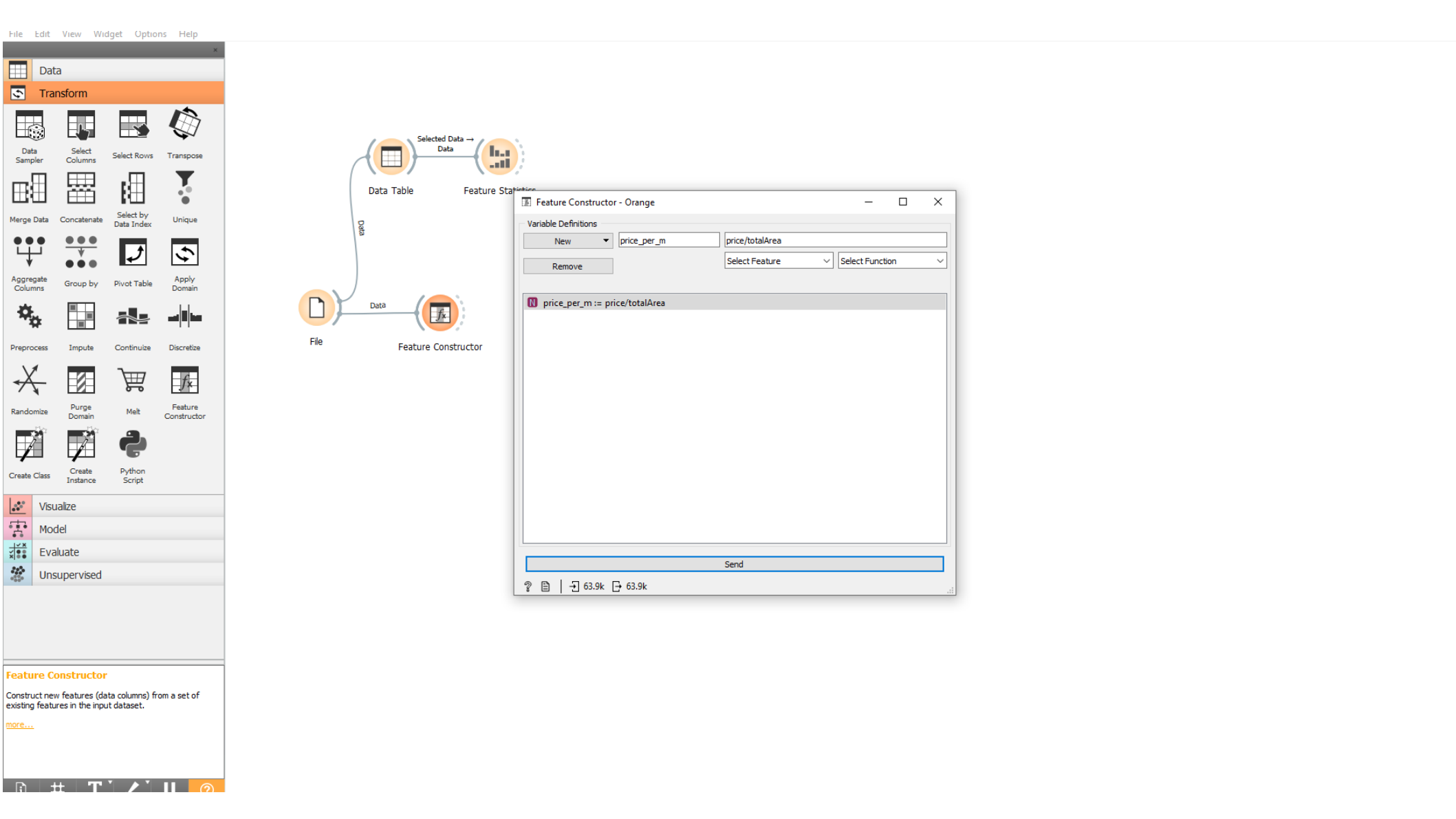
Feature Statistics

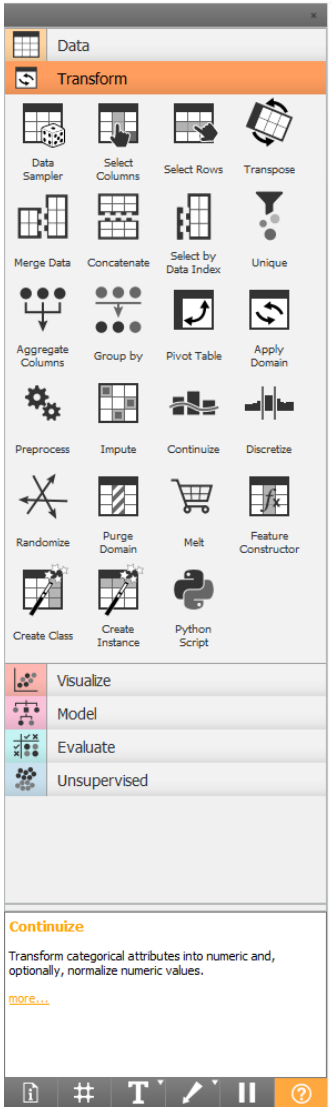
Show basic statistics for data features.

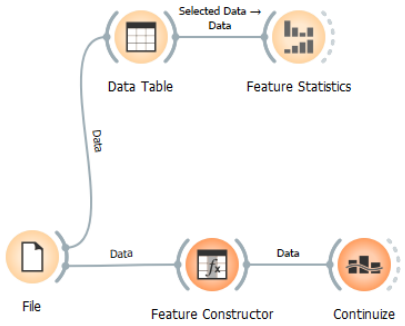
more...

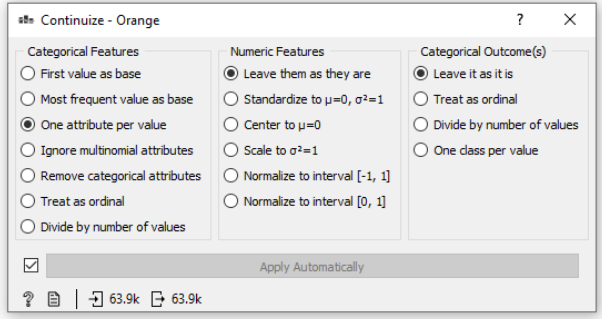


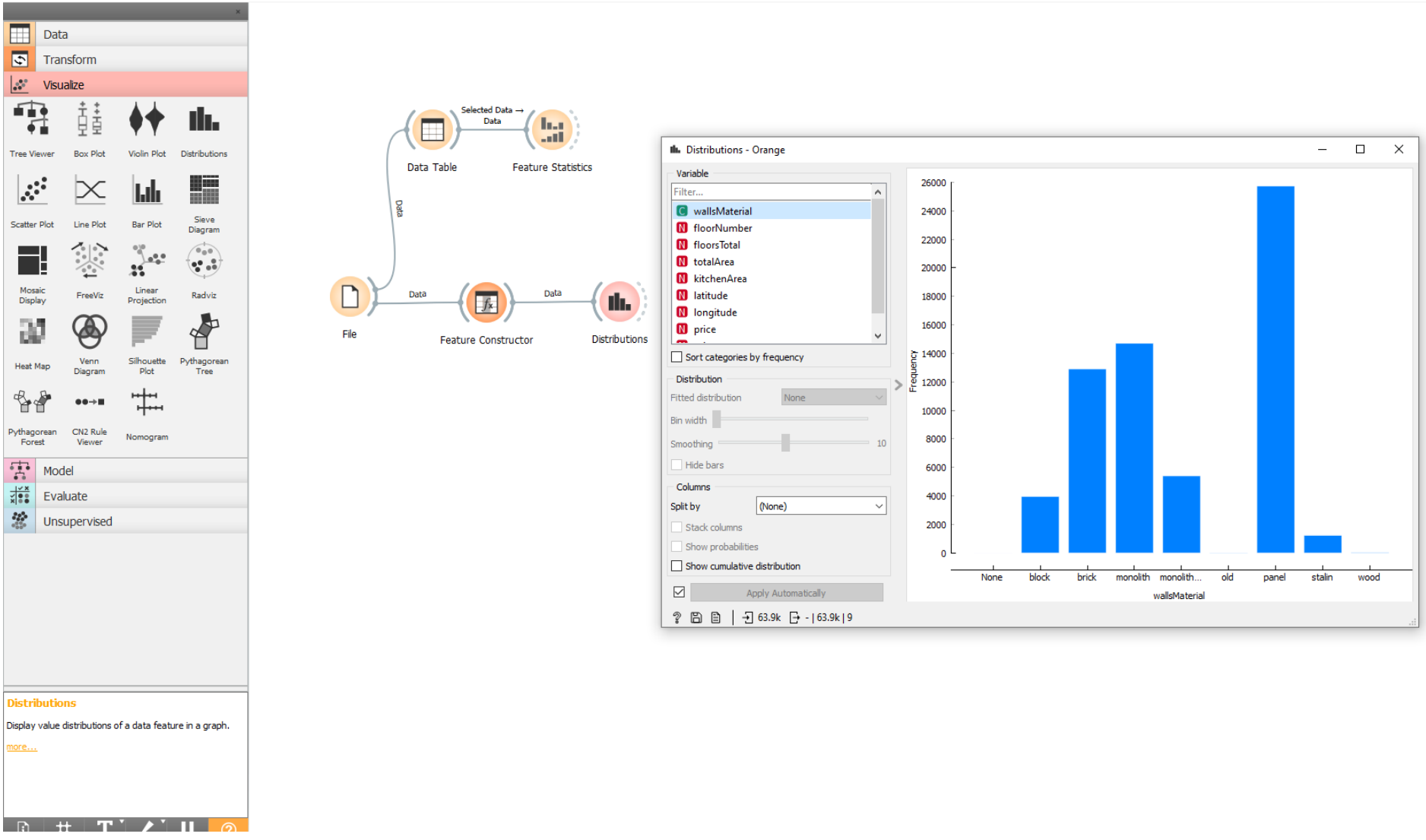


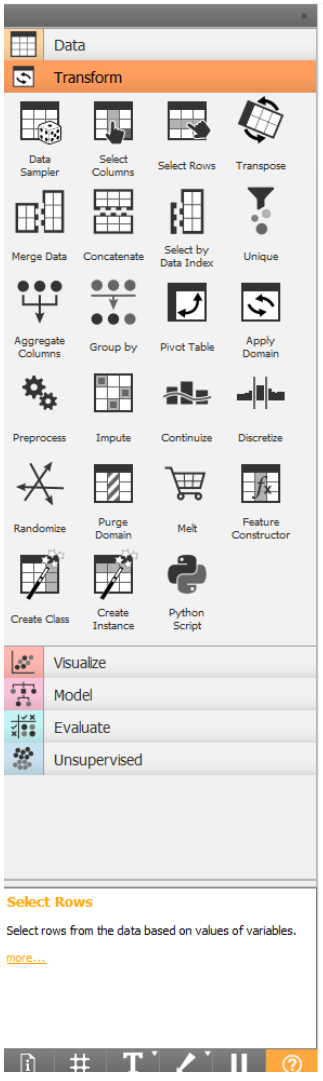

File Edit View Widget Options Help
Data
Transform
Data Sampler
Select Columns
Select Rows
Transpose
Merge Data
Concatenate
Select by Data Index
Unique
Aggregate Columns
Group by
Pivot Table
Apply Domain
Preprocess
Impute
Continuize
Discretize
Randomize
Purge Domain
Melt
Feature Constructor
Create Class
Create Instance
Python Script
Visualize
Model
Evaluate
Unsupervised
Feature Constructor
Construct new features (data columns) from a set of existing features in the input dataset.
more...
Selected Data → Data
Data Table
Feature Statistics
Data
Data
File
Feature Constructor
Feature Constructor - Orange
Variable Definitions
New
price_per_m
price/totalArea
Remove
Select Feature
Select Function
price_per_m := price/totalArea
Send
63.9k
63.9k

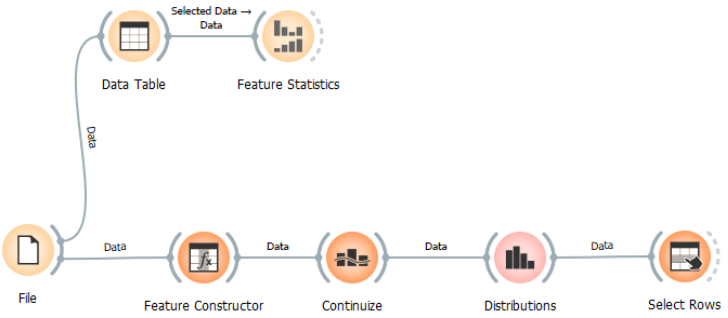

Data
Transform
Data Sampler
Select Columns
Select Rows
Transpose
Merge Data
Concatenate
Select by Data Index
Unique
Aggregate Columns
Group by
Pivot Table
Apply Domain
Preprocess
Impute
Continuize
Discretize
Randomize
Purge Domain
Melt
Feature Constructor
Create Class
Create Instance
Python Script
Visualize
Model
Evaluate
Unsupervised
Continuize
Transform categorical attributes into numeric and, optionally, normalize numeric values.
more...

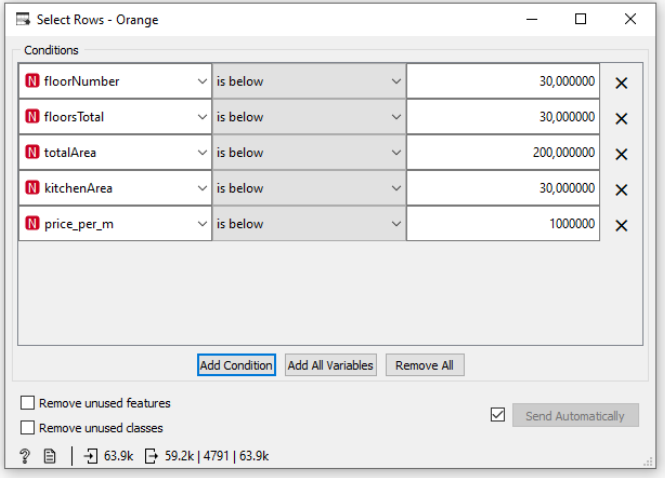

Selected Data → Data
Data Table
Feature Statistics
Data
File
Data
Feature Constructor
Data
Continuize

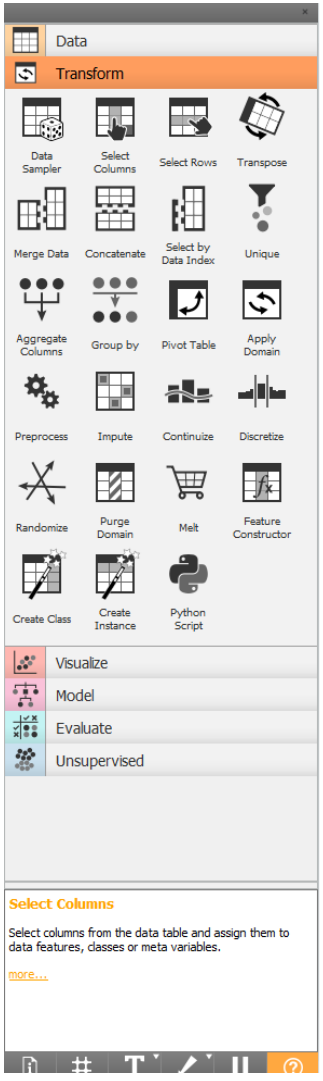

Continuize - Orange
Categorical Features
First value as base
Most frequent value as base
One attribute per value
Ignore multinomial attributes
Remove categorical attributes
Treat as ordinal
Divide by number of values
Numeric Features
Leave them as they are
Standardize to μ=0, σ²=1
Center to μ=0
Scale to σ²=1
Normalize to interval [-1, 1]
Normalize to interval [0, 1]
Categorical Outcome(s)
Leave it as it is
Treat as ordinal
Divide by number of values
One class per value
Apply Automatically
63.9k
63.9k

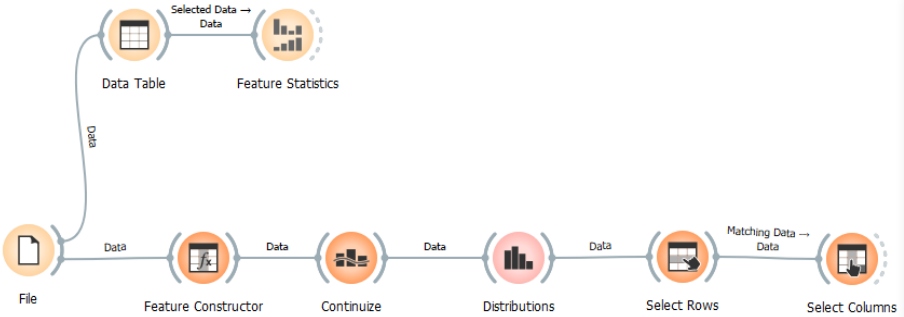

Data
Transform
Visualize
Tree Viewer
Box Plot
Violin Plot
Distributions
Scatter Plot
Line Plot
Bar Plot
Sieve Diagram
Mosaic Display
FreeViz
Linear Projection
Radviz
Heat Map
Venn Diagram
Silhouette Plot
Pythagorean Tree
Pythagorean Forest
CN2 Rule Viewer
Nomogram
Model
Evaluate
Unsupervised
Distributions
Display value distributions of a data feature in a graph.
more...
Selected Data → Data
Data Table
Feature Statistics
Data
File
Data
Feature Constructor
Data
Distributions
Distributions - Orange
Variable
Filter...
wallsMaterial
floorNumber
floorsTotal
totalArea
kitchenArea
latitude
longitude
price
Sort categories by frequency
Distribution
Fitted distribution
None
Bin width
Smoothing
10
Hide bars
Columns
Split by
(None)
Stack columns
Show probabilities
Show cumulative distribution
Apply Automatically
63.9k
- | 63.9k | 9
Frequency
26000
24000
22000
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
None
block
brick
monolith
monolith...
old
panel
stalin
wood
wallsMaterial

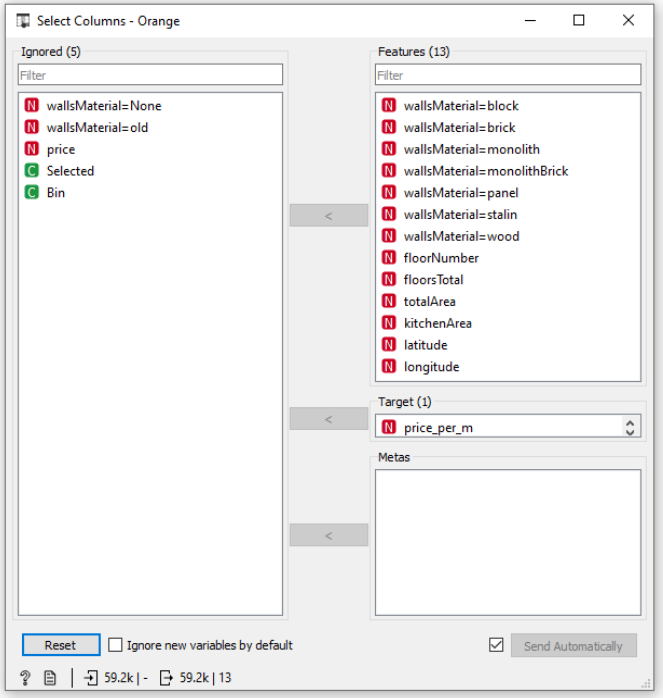

Data
Transform
Data Sampler
Select Columns
Select Rows
Transpose
Merge Data
Concatenate
Select by Data Index
Unique
Aggregate Columns
Group by
Pivot Table
Apply Domain
Preprocess
Impute
Continuize
Discretize
Randomize
Purge Domain
Melt
Feature Constructor
Create Class
Create Instance
Python Script
Visualize
Model
Evaluate
Unsupervised
Select Rows
Select rows from the data based on values of variables.
more...

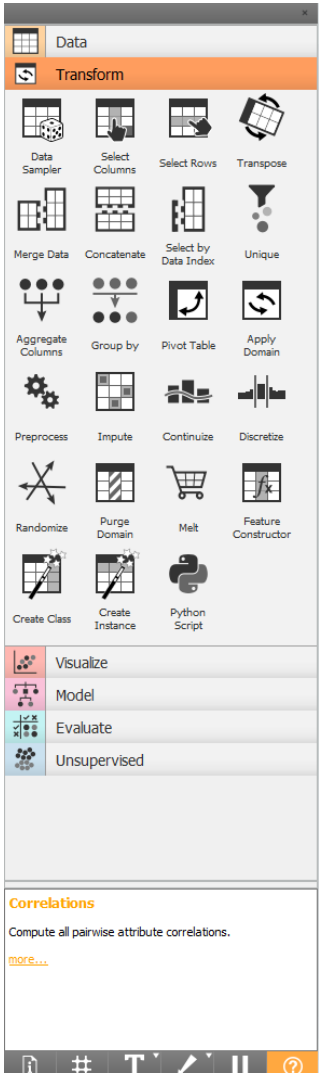

Selected Data → Data
Data Table
Feature Statistics
Data
File
Data
Feature Constructor
Data
Continuize
Data
Distributions
Data
Select Rows

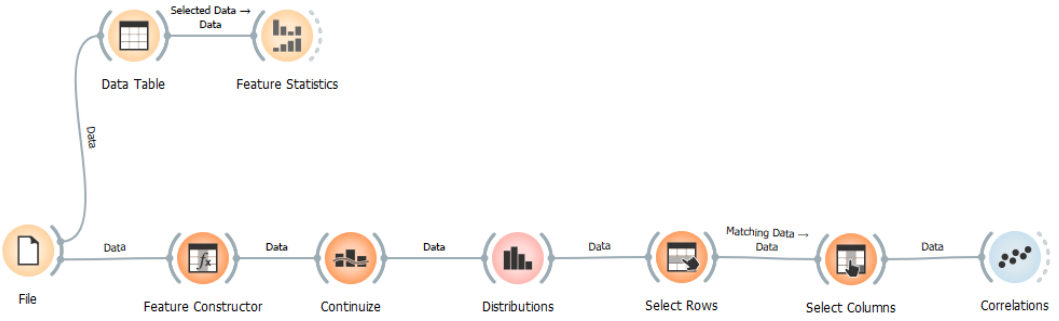

Select Rows - Orange
Conditions
floorNumber
is below
30,000000
floorsTotal
is below
30,000000
totalArea
is below
200,000000
kitchenArea
is below
30,000000
price_per_m
is below
1000000
Add Condition
Add All Variables
Remove All
Remove unused features
Remove unused classes
Send Automatically
63.9k
59.2k | 4791 | 63.9k

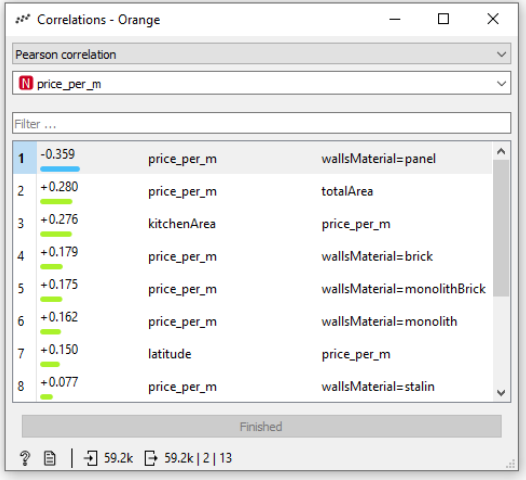

Data
Transform
Data Sampler
Select Columns
Select Rows
Transpose
Merge Data
Concatenate
Select by Data Index
Unique
Aggregate Columns
Group by
Pivot Table
Apply Domain
Preprocess
Impute
Continuize
Discretize
Randomize
Purge Domain
Melt
Feature Constructor
Create Class
Create Instance
Python Script
Visualize
Model
Evaluate
Unsupervised
Select Columns
Select columns from the data table and assign them to data features, classes or meta variables.
more...

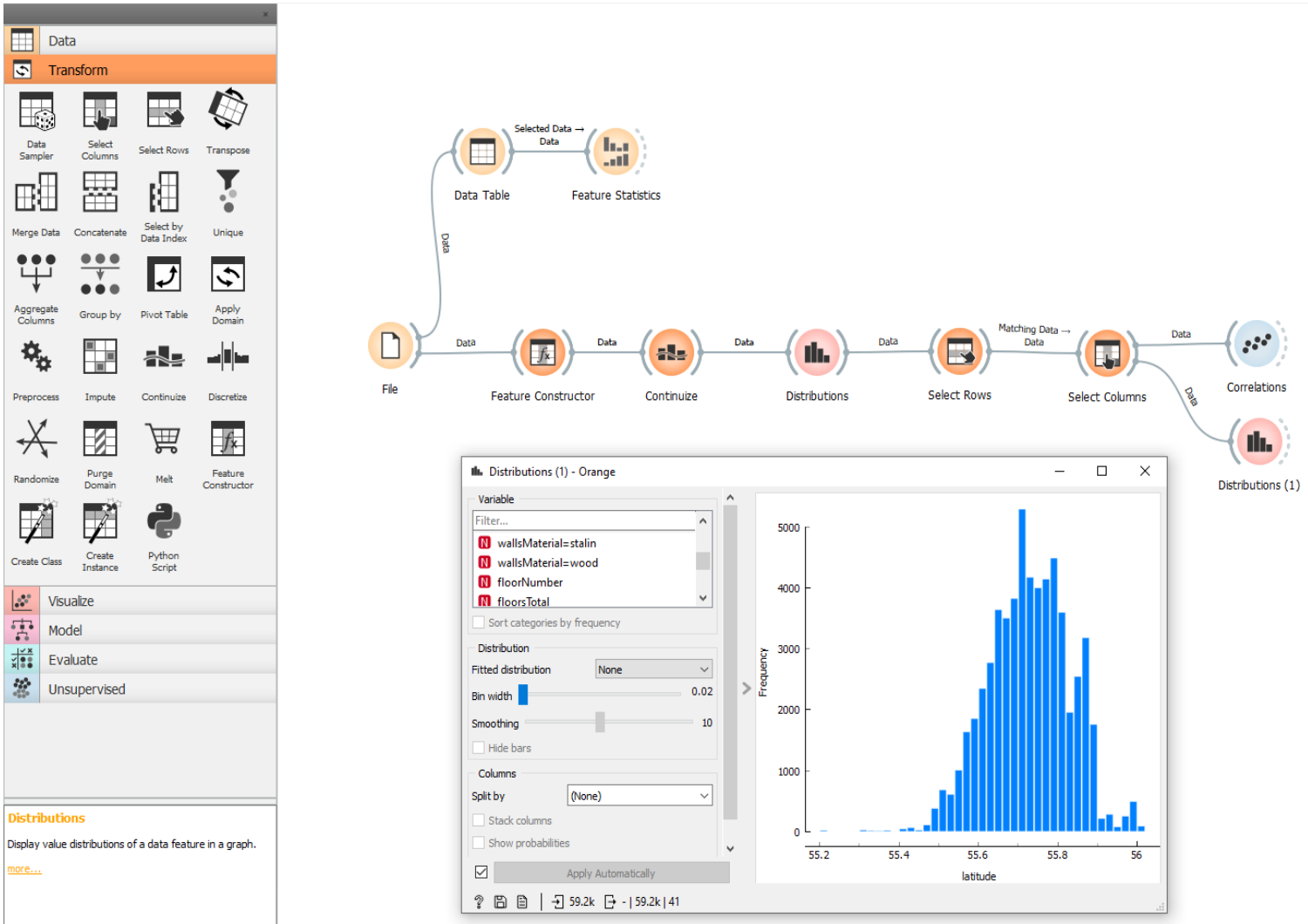

Selected Data → Data
Data Table
Feature Statistics
Data
File
Data
Feature Constructor
Data
Continuize
Data
Distributions
Data
Select Rows
Matching Data → Data
Select Columns

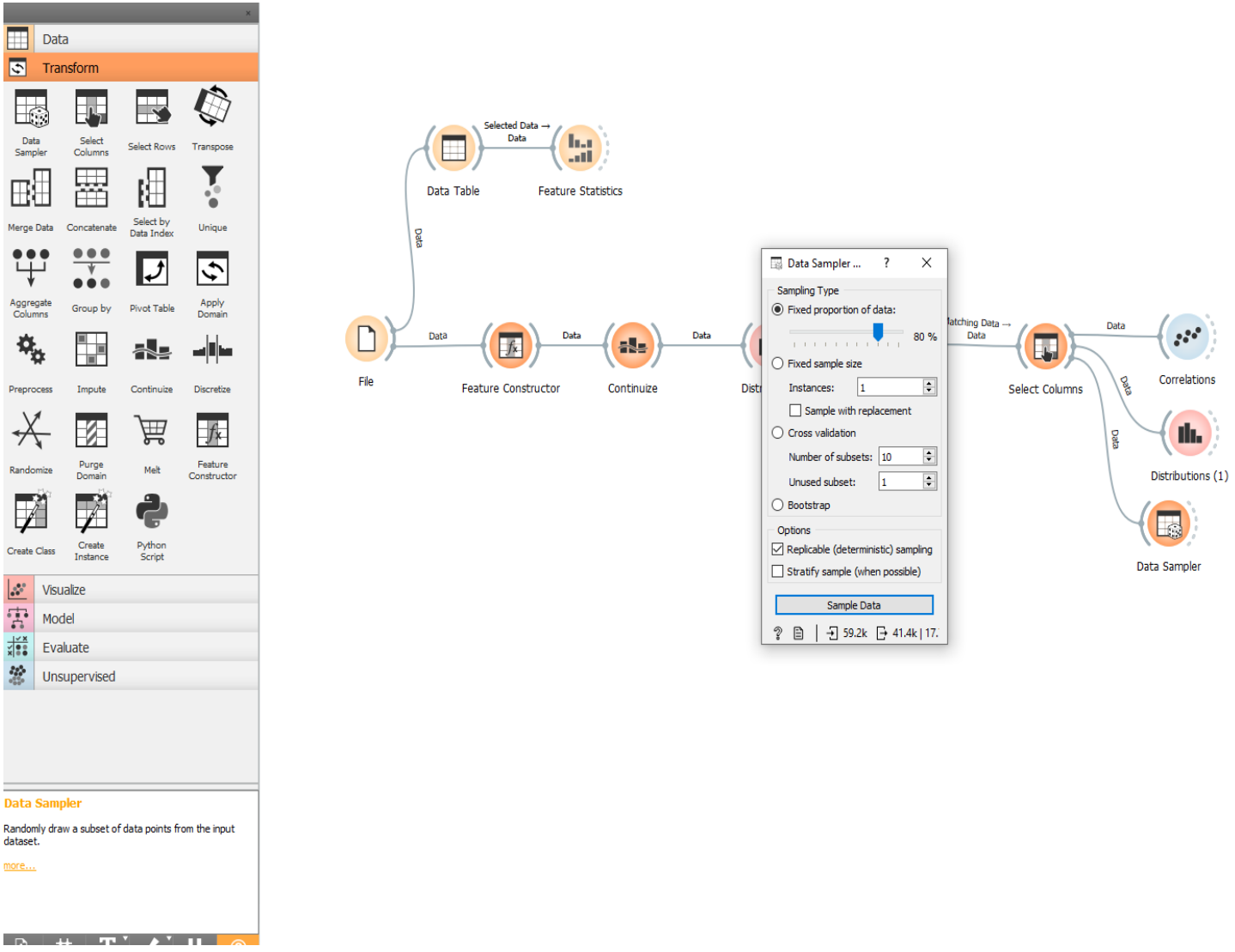

Select Columns - Orange
Ignored (5)
Filter
wallsMaterial=None
wallsMaterial=old
price
Selected
Bin
Features (13)
Filter
wallsMaterial=block
wallsMaterial=brick
wallsMaterial=monolith
wallsMaterial=monolithBrick
wallsMaterial=panel
wallsMaterial=stalin
wallsMaterial=wood
floorNumber
floorsTotal
totalArea
kitchenArea
latitude
longitude
Target (1)
price_per_m
Metas
Reset
Ignore new variables by default
Send Automatically
59.2k | -
59.2k | 13

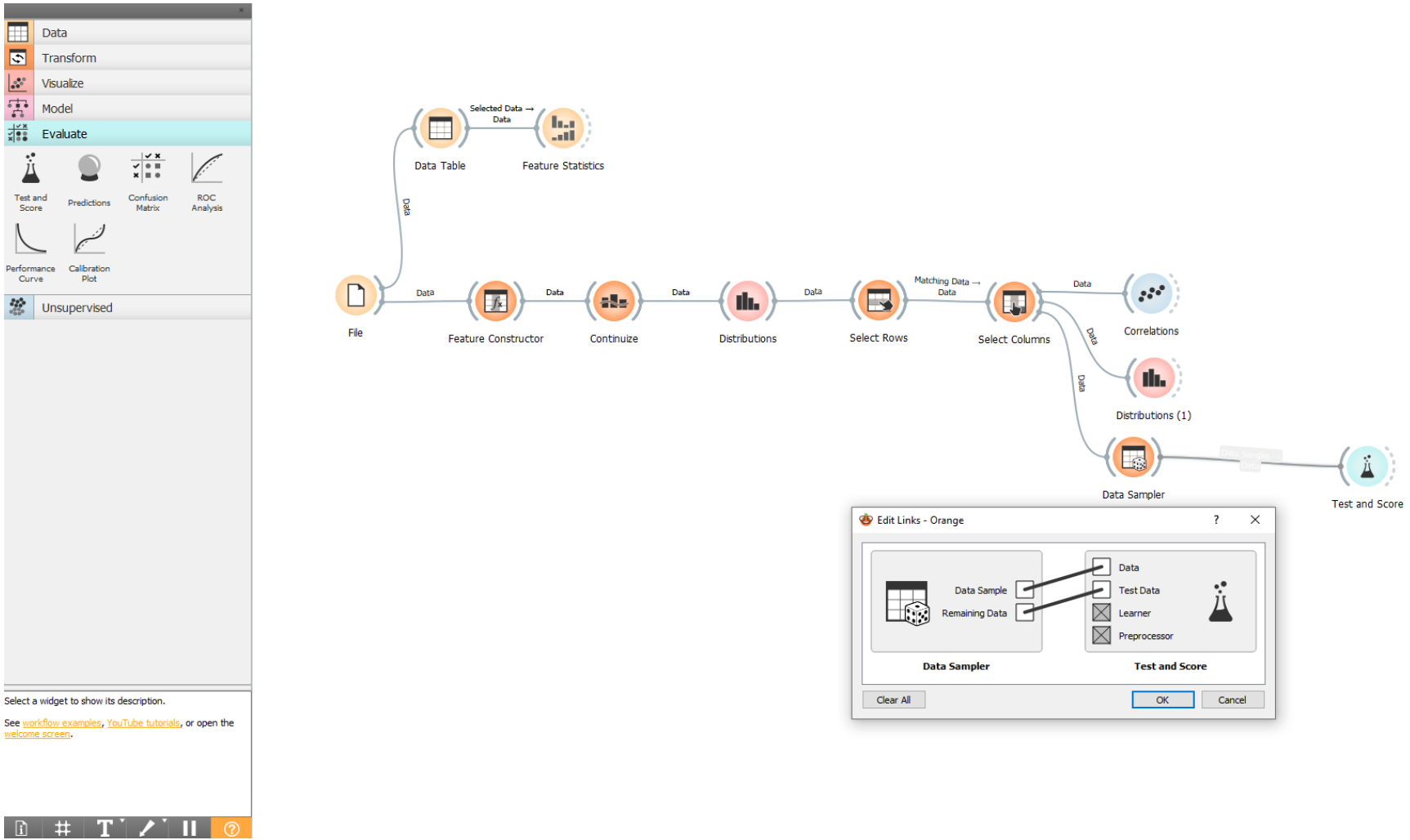

Data
Transform
Data Sampler
Select Columns
Select Rows
Transpose
Merge Data
Concatenate
Select by Data Index
Unique
Aggregate Columns
Group by
Pivot Table
Apply Domain
Preprocess
Impute
Continuize
Discretize
Randomize
Purge Domain
Melt
Feature Constructor
Create Class
Create Instance
Python Script
Visualize
Model
Evaluate
Unsupervised
Correlations
Compute all pairwise attribute correlations.
more...

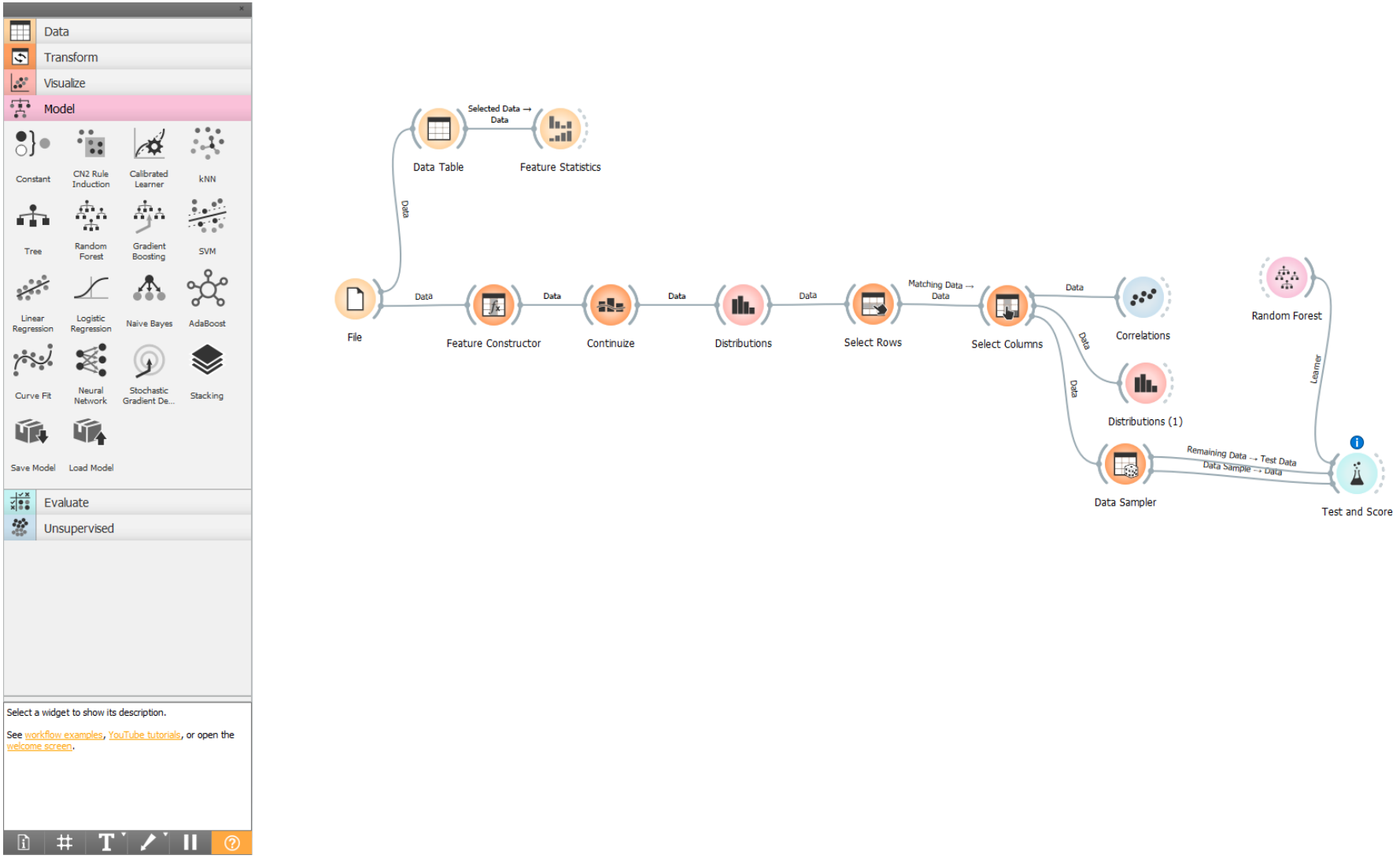

Selected Data → Data
Data Table
Feature Statistics
Data
File
Data
Feature Constructor
Data
Continuize
Data
Distributions
Data
Select Rows
Matching Data → Data
Select Columns
Data
Correlations

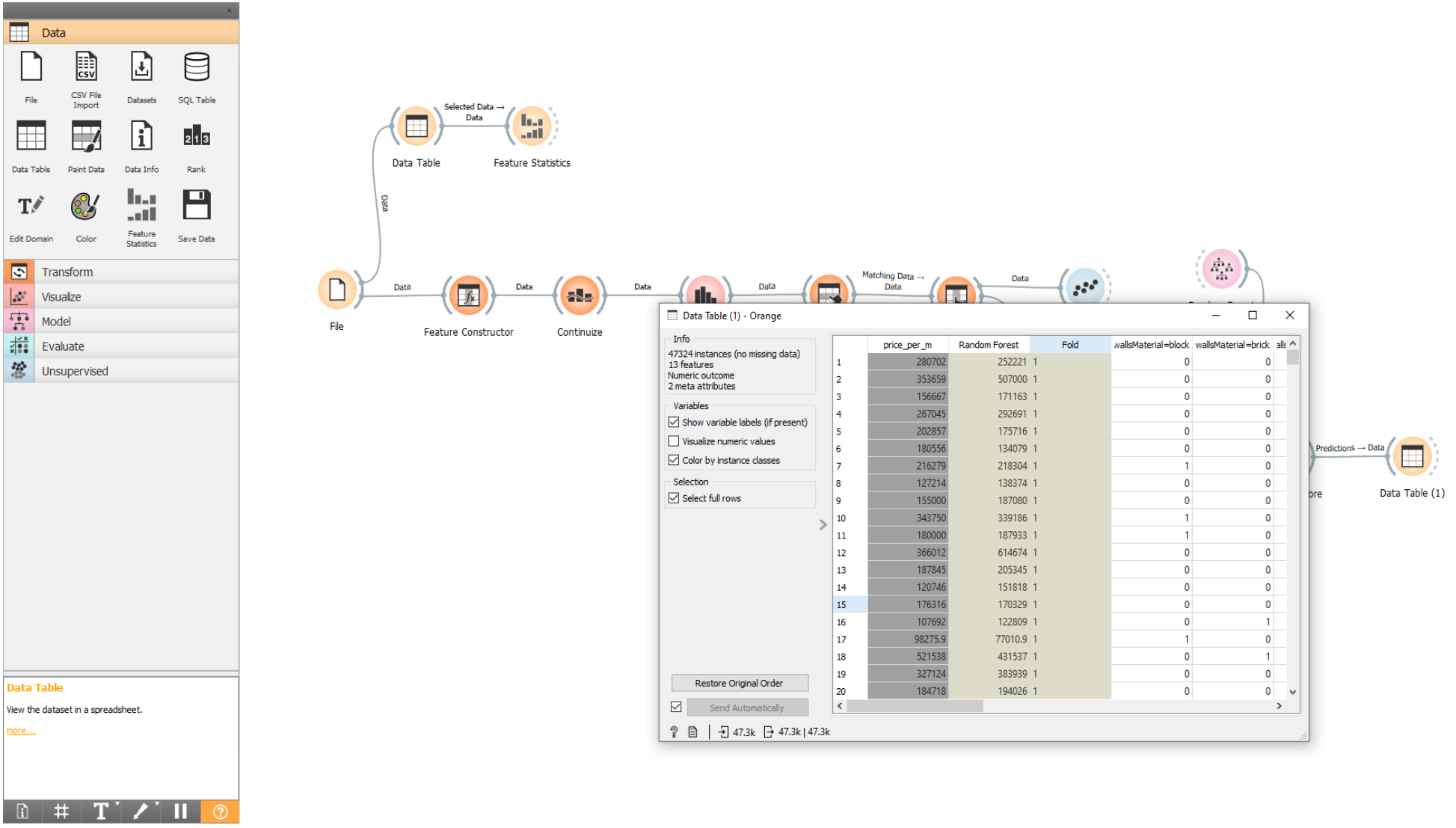

Correlations - Orange
Pearson correlation
price_per_m
Filter ...
1 -0.359 price_per_m wallsMaterial=panel
2 +0.280 price_per_m totalArea
3 +0.276 kitchenArea price_per_m
4 +0.179 price_per_m wallsMaterial=brick
5 +0.175 price_per_m wallsMaterial=monolithBrick
6 +0.162 price_per_m wallsMaterial=monolith
7 +0.150 latitude price_per_m
8 +0.077 price_per_m wallsMaterial=stalin
Finished
59.2k
59.2k | 2 | 13

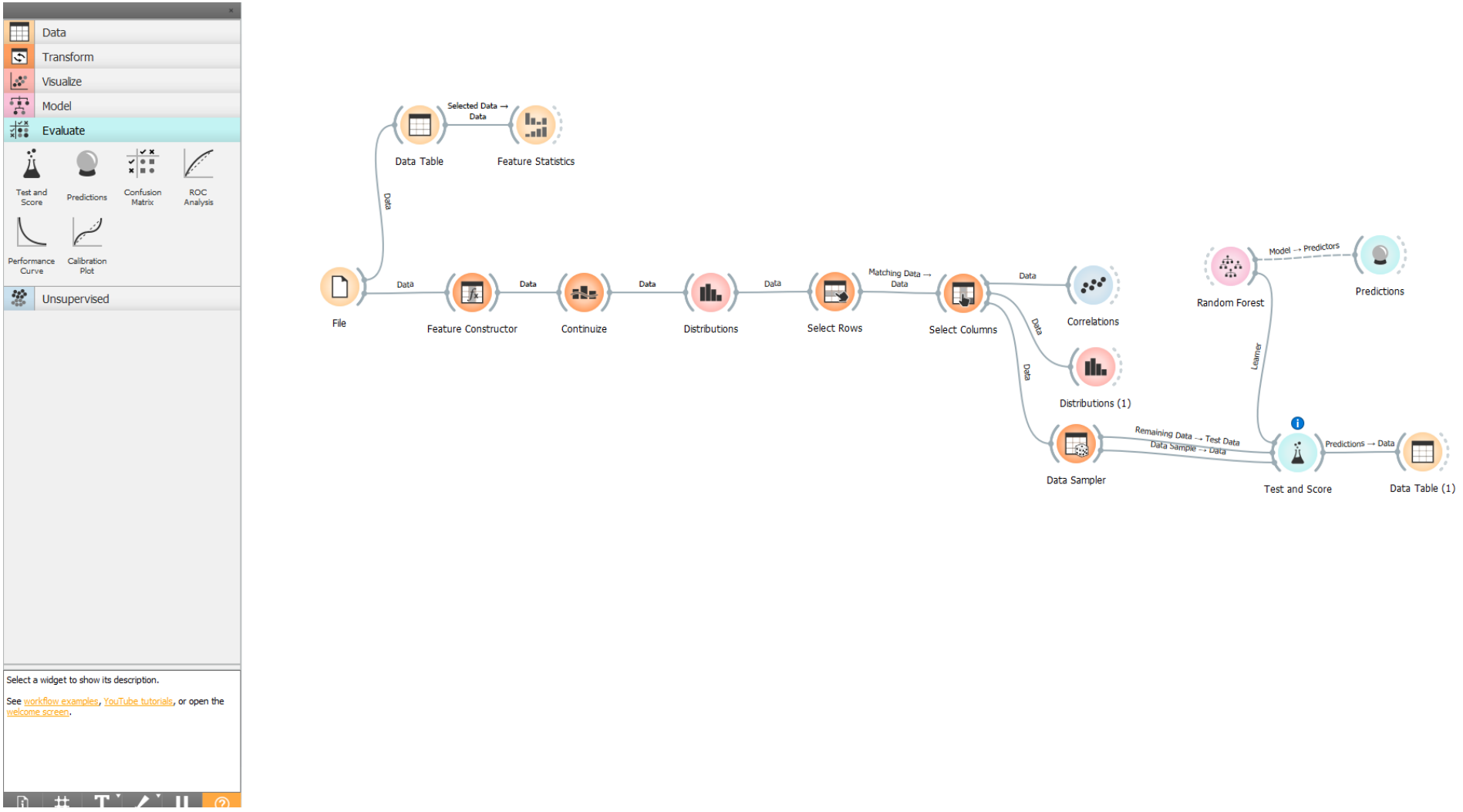

Data
Transform
Data Sampler
Select Columns
Select Rows
Transpose
Merge Data
Concatenate
Select by Data Index
Unique
Aggregate Columns
Group by
Pivot Table
Apply Domain
Preprocess
Impute
Continuize
Discretize
Randomize
Purge Domain
Melt
Feature Constructor
Create Class
Create Instance
Python Script
Visualize
Model
Evaluate
Unsupervised
Distributions
Display value distributions of a data feature in a graph.
more...
Selected Data → Data
Data Table
Feature Statistics
Data
File
Data
Feature Constructor
Data
Continuize
Data
Distributions
Data
Select Rows
Matching Data → Data
Select Columns
Data
Correlations
Data
Distributions (1)
Distributions (1) - Orange
Variable
Filter...
wallsMaterial=stalin
wallsMaterial=wood
floorNumber
floorsTotal
Sort categories by frequency
Distribution
Fitted distribution
None
Bin width
0.02
Smoothing
10
Hide bars
Columns
Split by
(None)
Stack columns
Show probabilities
Apply Automatically
59.2k
- | 59.2k | 41
Frequency
5000
4000
3000
2000
1000
0
55.2
55.4
55.6
55.8
56
latitude


Data
Transform
Data Sampler
Select Columns
Select Rows
Transpose
Merge Data
Concatenate
Select by Data Index
Unique
Aggregate Columns
Group by
Pivot Table
Apply Domain
Preprocess
Impute
Continuize
Discretize
Randomize
Purge Domain
Melt
Feature Constructor
Create Class
Create Instance
Python Script
Visualize
Model
Evaluate
Unsupervised
Data Sampler
Randomly draw a subset of data points from the input dataset.
more...
Selected Data → Data
Data Table
Feature Statistics
Data
File
Data
Feature Constructor
Data
Continuize
Data
Data Sampler ...
Sampling Type
Fixed proportion of data:
80 %
Fixed sample size
Instances: 1
Sample with replacement
Cross validation
Number of subsets: 10
Unused subset: 1
Bootstrap
Options
Replicable (deterministic) sampling
Stratify sample (when possible)
Sample Data
59.2k
41.4k | 17.
Matching Data → Data
Select Columns
Data
Correlations
Data
Distributions (1)
Data
Data Sampler


Data
Transform
Visualize
Model
Evaluate
Test and Score
Predictions
Confusion Matrix
ROC Analysis
Performance Curve
Calibration Plot
Unsupervised
Select a widget to show its description.
See workflow examples, YouTube tutorials, or open the welcome screen.
Selected Data → Data
Data Table
Feature Statistics
Data
File
Feature Constructor
Continuize
Distributions
Select Rows
Matching Data → Data
Select Columns
Correlations
Distributions (1)
Data Sampler
Test and Score
Edit Links - Orange
Data Sample
Remaining Data
Data
Test Data
Learner
Preprocessor
Clear All
OK
Cancel


Data
Transform
Visualize
Model
Constant
CN2 Rule Induction
Calibrated Learner
kNN
Tree
Random Forest
Gradient Boosting
SVM
Linear Regression
Logistic Regression
Naive Bayes
AdaBoost
Curve Fit
Neural Network
Stochastic Gradient De...
Stacking
Save Model
Load Model
Evaluate
Unsupervised
Select a widget to show its description.
See workflow examples, YouTube tutorials, or open the welcome screen.
Selected Data → Data
Data Table
Feature Statistics
Data
File
Feature Constructor
Continuize
Distributions
Select Rows
Matching Data → Data
Select Columns
Correlations
Distributions (1)
Random Forest
Learner
Data Sampler
Remaining Data → Test Data
Data Sample → Data
Test and Score


Data
File
CSV File Import
Datasets
SQL Table
Data Table
Paint Data
Data Info
Rank
Edit Domain
Color
Feature Statistics
Save Data
Transform
Visualize
Model
Evaluate
Unsupervised
Data Table
View the dataset in a spreadsheet.
more...
Selected Data → Data
Data Table
Feature Statistics
Data
File
Feature Constructor
Continuize
Matching Data → Data
Predictions → Data
Data Table (1)
Data Table (1) - Orange
Info
47324 instances (no missing data)
13 features
Numeric outcome
2 meta attributes
Variables
Show variable labels (if present)
Visualize numeric values
Color by instance classes
Selection
Select full rows
Restore Original Order
Send Automatically
47.3k
47.3k | 47.3k
price_per_m
Random Forest
Fold
wallsMaterial=block
wallsMaterial=brick
1 280702 252221 1 0 0
2 353659 507000 1 0 0
3 156667 171163 1 0 0
4 267045 292691 1 0 0
5 202857 175716 1 0 0
6 180556 134079 1 0 0
7 216279 218304 1 1 0
8 127214 138374 1 0 0
9 155000 187080 1 0 0
10 343750 339186 1 1 0
11 180000 187933 1 1 0
12 366012 614674 1 0 0
13 187845 205345 1 0 0
14 120746 151818 1 0 0
15 176316 170329 1 0 0
16 107692 122809 1 0 1
17 98275.9 77010.9 1 1 0
18 521538 431537 1 0 1
19 327124 383939 1 0 0
20 184718 194026 1 0 0


Data
Transform
Visualize
Model
Evaluate
Test and Score
Predictions
Confusion Matrix
ROC Analysis
Performance Curve
Calibration Plot
Unsupervised
Select a widget to show its description.
See workflow examples, YouTube tutorials, or open the welcome screen.
Selected Data → Data
Data Table
Feature Statistics
Data
File
Feature Constructor
Continuize
Distributions
Select Rows
Matching Data → Data
Select Columns
Correlations
Distributions (1)
Data Sampler
Remaining Data → Test Data
Data Sample → Data
Test and Score
Predictions → Data
Data Table (1)
Random Forest
Model → Predictors
Predictions
Learner