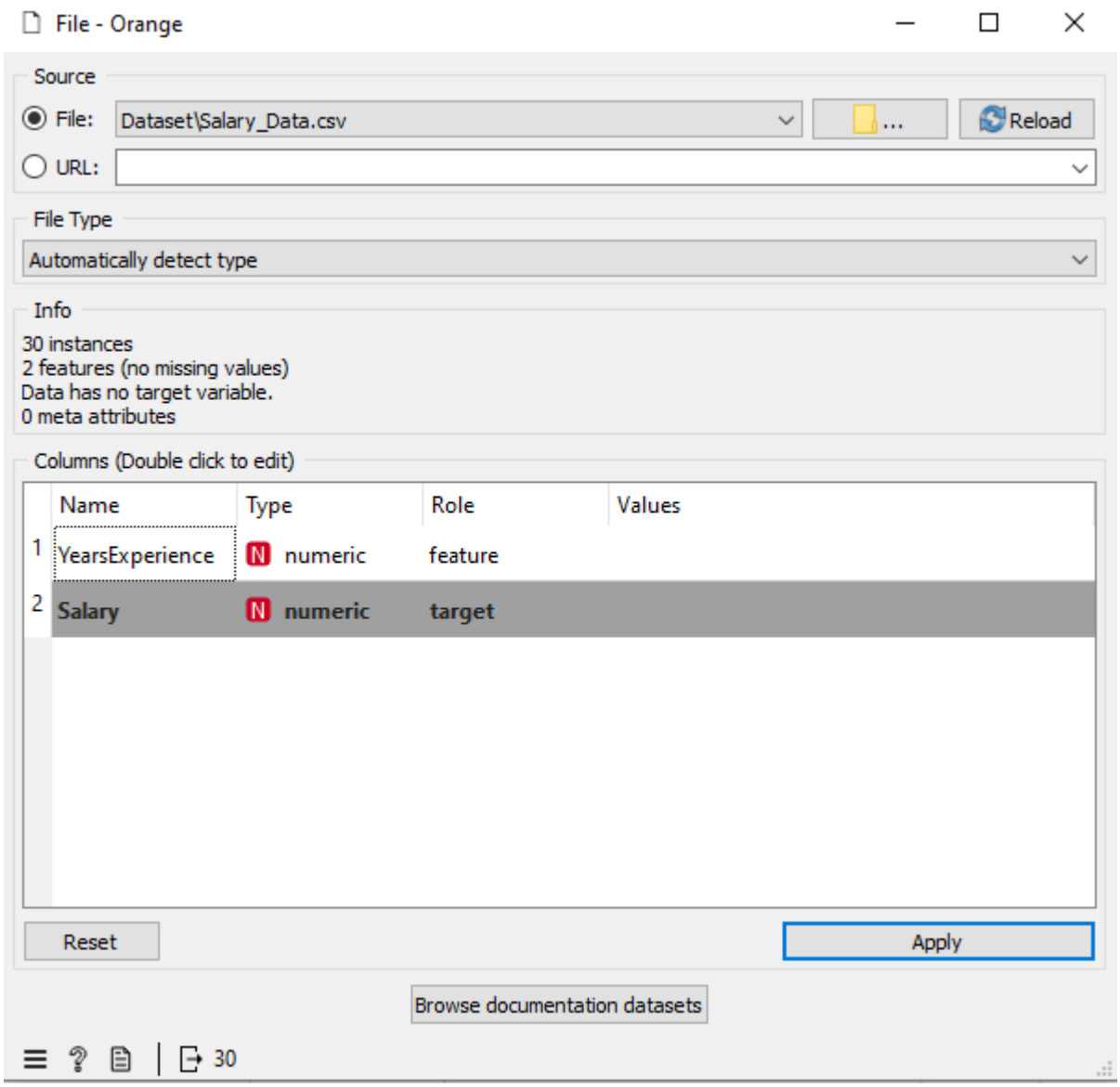
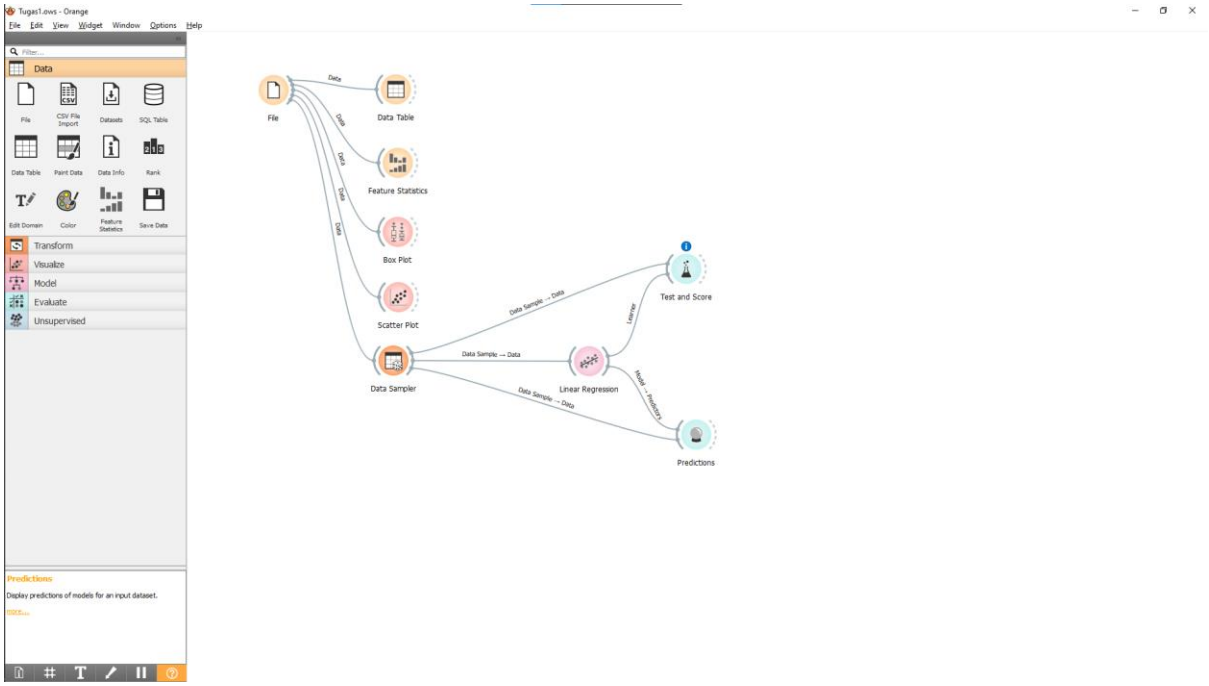
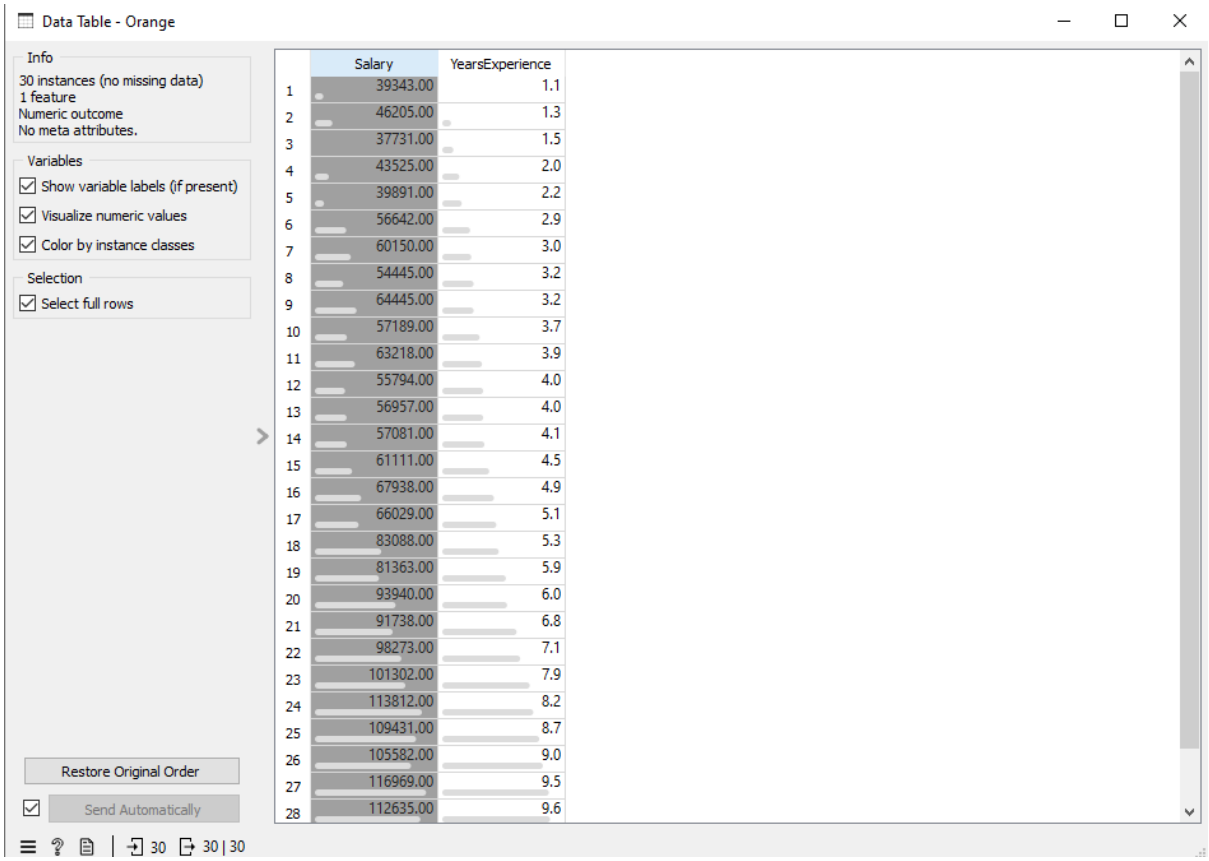
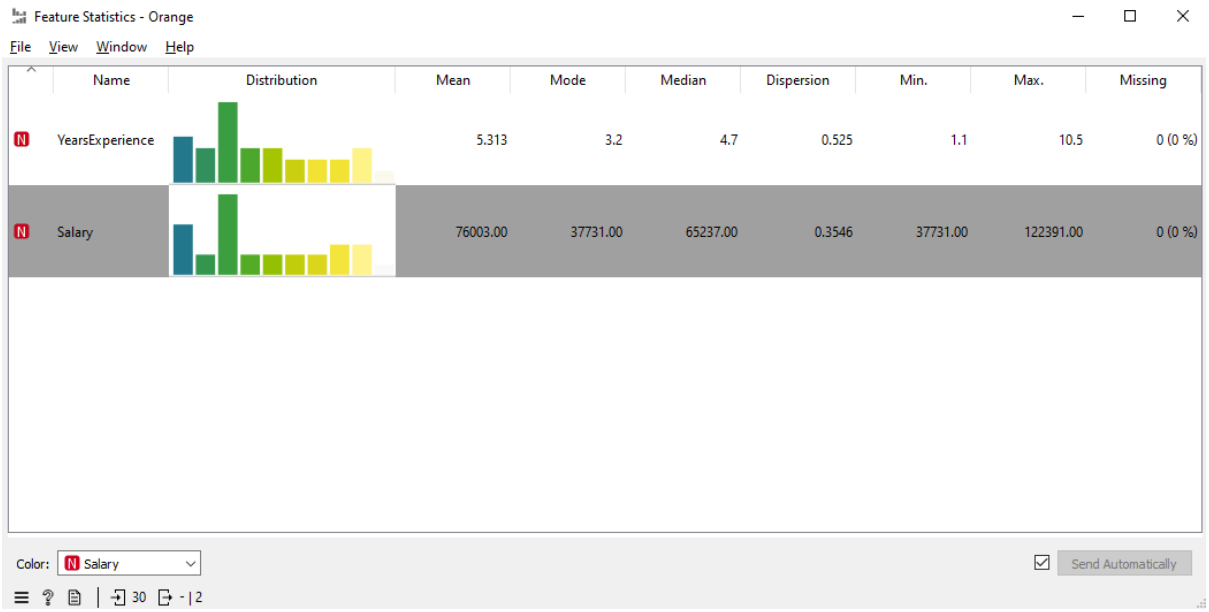
Yang pertama itu pilih file data ke software orange selanjutnya set salary sebagai role target

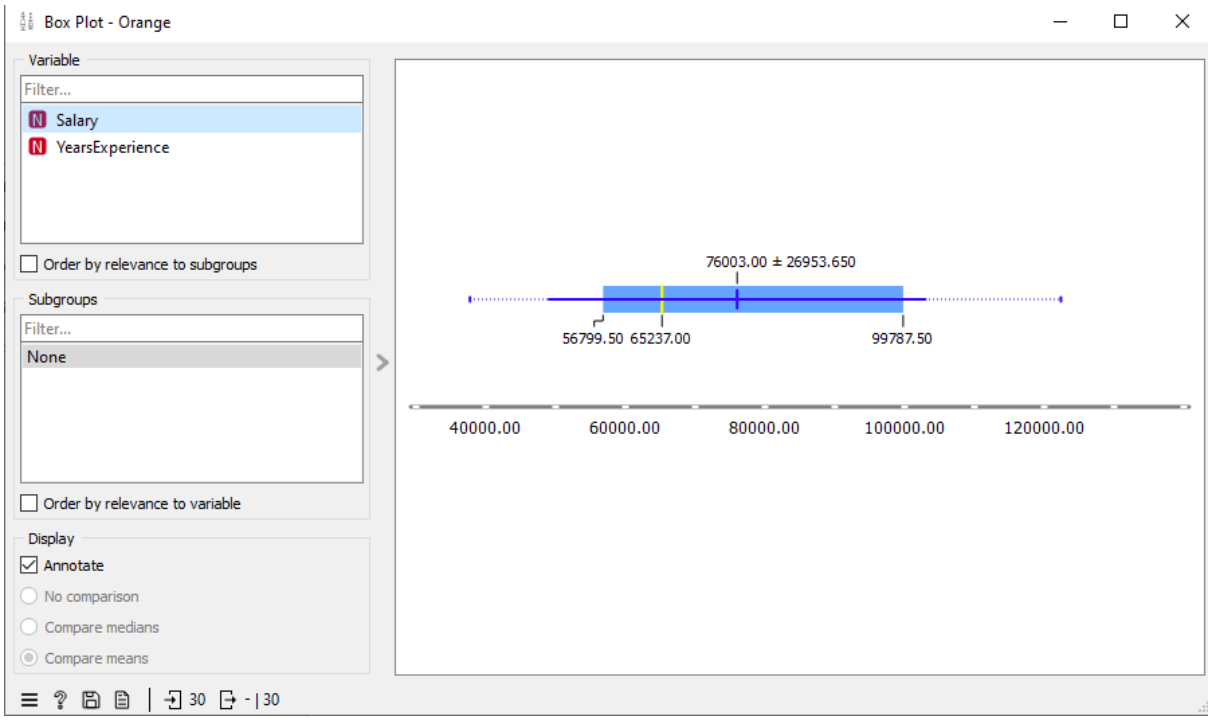


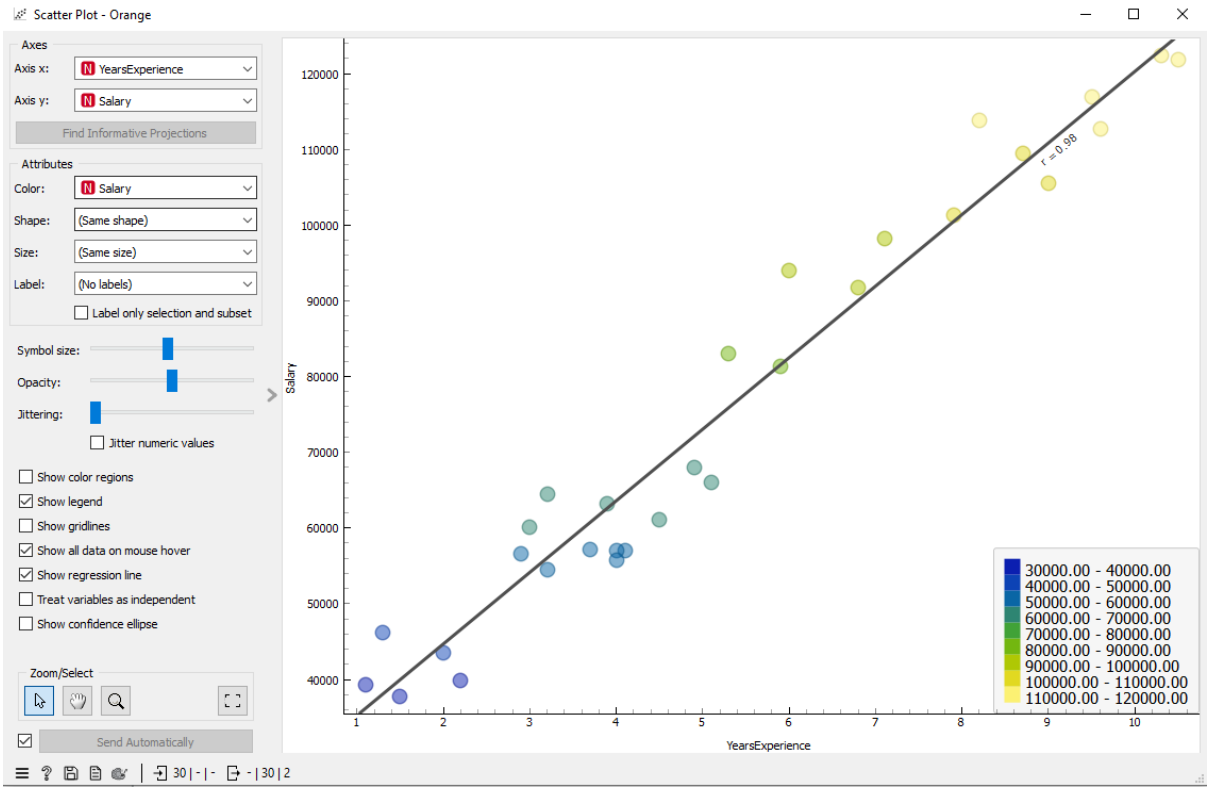


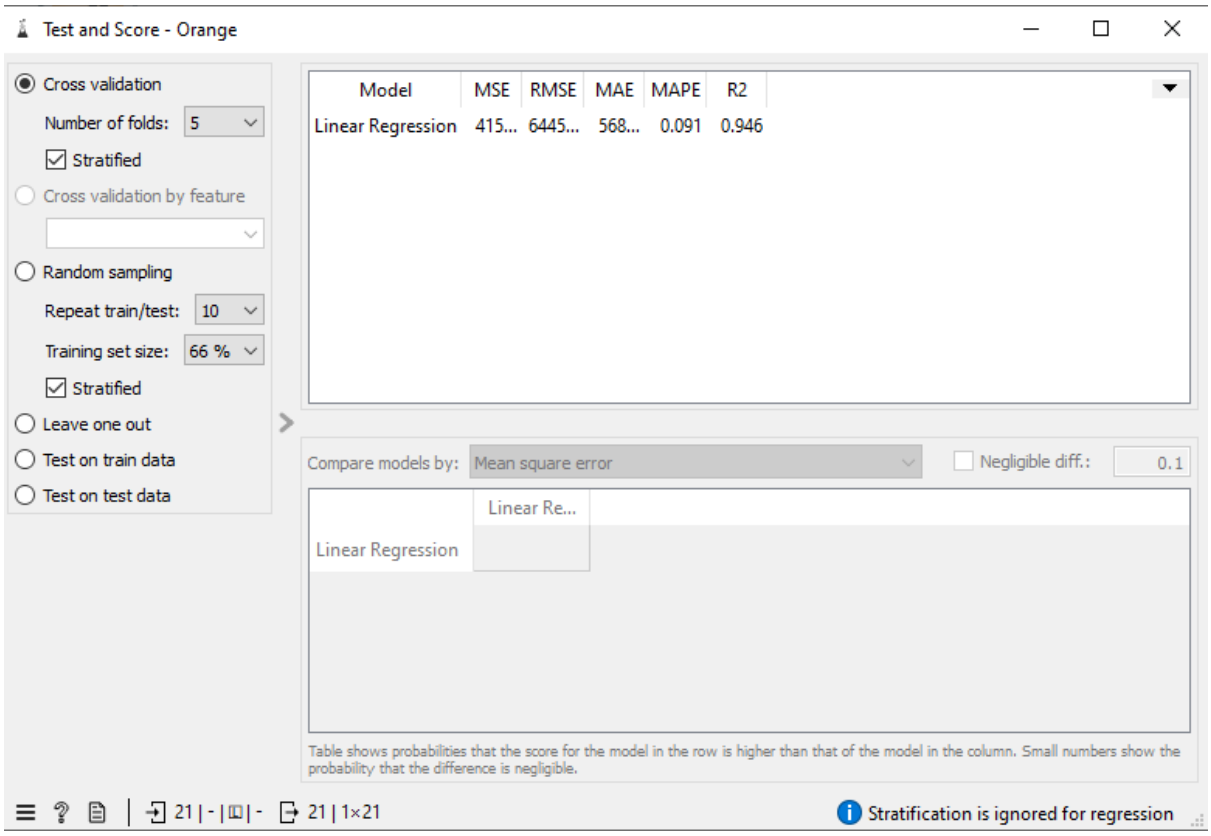


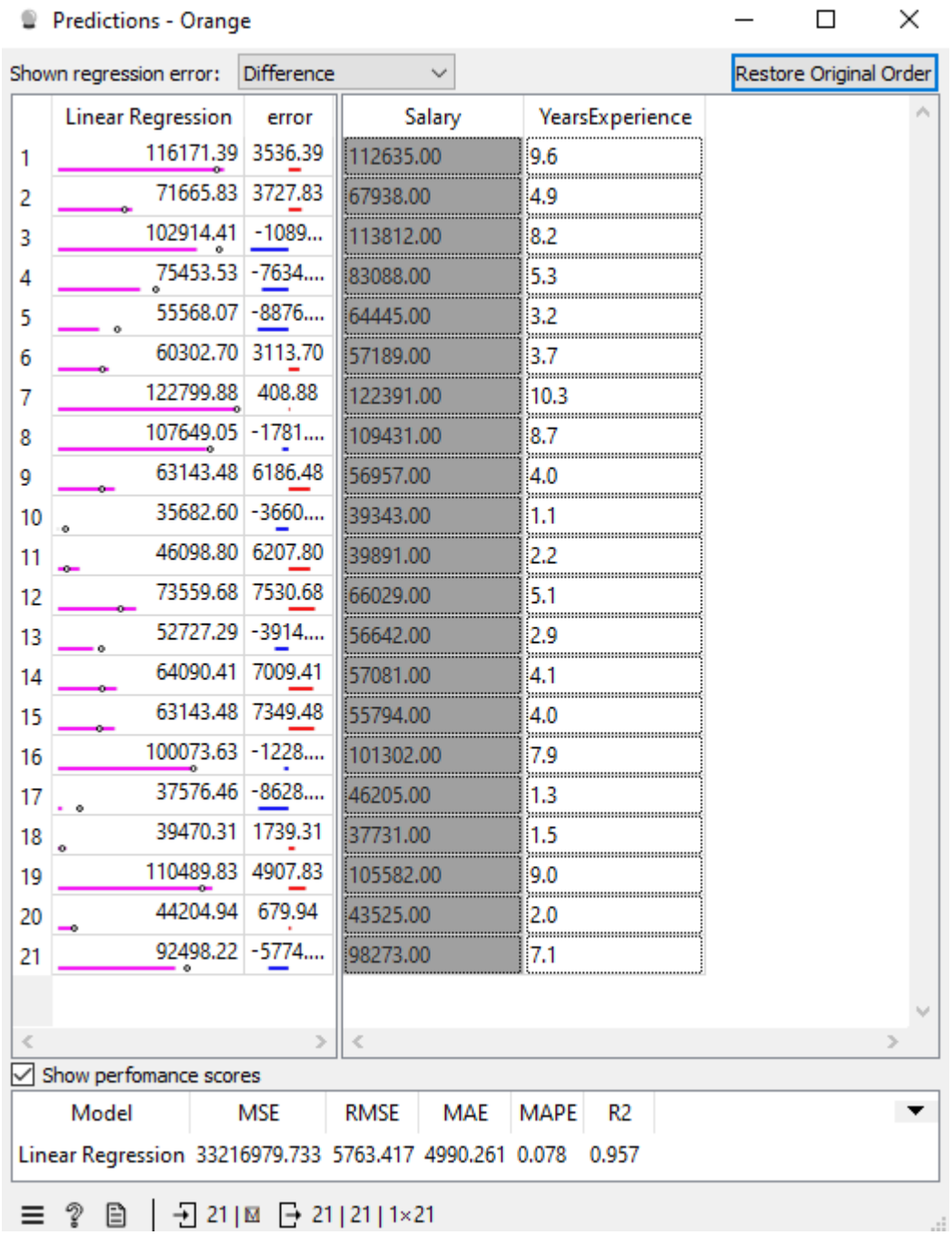
	Salary	YearsExperience
1	39343.00	1.1
2	46205.00	1.3
3	37731.00	1.5
4	43525.00	2.0
5	39891.00	2.2
6	56642.00	2.9
7	60150.00	3.0
8	54445.00	3.2
9	64445.00	3.2
10	57189.00	3.7
11	63218.00	3.9
12	55794.00	4.0
13	56957.00	4.0
14	57081.00	4.1
15	61111.00	4.5
16	67938.00	4.9
17	66029.00	5.1
18	83088.00	5.3
19	81363.00	5.9
20	93940.00	6.0
21	91738.00	6.8
22	98273.00	7.1
23	101302.00	7.9
24	113812.00	8.2
25	109431.00	8.7
26	105582.00	9.0
27	116969.00	9.5
28	112635.00	9.6


Feature Statistics - Orange
File View Window Help
Name Distribution Mean Mode Median Dispersion Min. Max. Missing
YearsExperience 5.313 3.2 4.7 0.525 1.1 10.5 0 (0 %)
Salary 76003.00 37731.00 65237.00 0.3546 37731.00 122391.00 0 (0 %)
Color: Salary
Send Automatically
30 - | 2


Box Plot - Orange
Variable
Filter...
Salary
YearsExperience
Order by relevance to subgroups
Subgroups
Filter...
None
Order by relevance to variable
Display
Annotate
No comparison
Compare medians
Compare means
30 - | 30
76003.00 ± 26953.650
56799.50 65237.00 99787.50
40000.00 60000.00 80000.00 100000.00 120000.00


Scatter Plot - Orange
Axes
Axis x: YearsExperience
Axis y: Salary
Find Informative Projections
Attributes
Color: Salary
Shape: (Same shape)
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
Treat variables as independent
Show confidence ellipse
Zoom/Select
Send Automatically
Salary
YearsExperience
r = 0.98
30000.00 - 40000.00
40000.00 - 50000.00
50000.00 - 60000.00
60000.00 - 70000.00
70000.00 - 80000.00
80000.00 - 90000.00
90000.00 - 100000.00
100000.00 - 110000.00
110000.00 - 120000.00


Test and Score - Orange
Cross validation
Number of folds: 5
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 MSE RMSE MAE MAPE R2
Linear Regression 415... 6445... 568... 0.091 0.946
Compare models by: Mean square error
Negligible diff.: 0.1
Linear Re...
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.
Stratification is ignored for regression


Predictions - Orange
Shown regression error:
Difference
Restore Original Order
Linear Regression
error
Salary
YearsExperience
1 116171.39 3536.39 112635.00 9.6
2 71665.83 3727.83 67938.00 4.9
3 102914.41 -1089... 113812.00 8.2
4 75453.53 -7634.... 83088.00 5.3
5 55568.07 -8876.... 64445.00 3.2
6 60302.70 3113.70 57189.00 3.7
7 122799.88 408.88 122391.00 10.3
8 107649.05 -1781.... 109431.00 8.7
9 63143.48 6186.48 56957.00 4.0
10 35682.60 -3660.... 39343.00 1.1
11 46098.80 6207.80 39891.00 2.2
12 73559.68 7530.68 66029.00 5.1
13 52727.29 -3914.... 56642.00 2.9
14 64090.41 7009.41 57081.00 4.1
15 63143.48 7349.48 55794.00 4.0
16 100073.63 -1228.... 101302.00 7.9
17 37576.46 -8628.... 46205.00 1.3
18 39470.31 1739.31 37731.00 1.5
19 110489.83 4907.83 105582.00 9.0
20 44204.94 679.94 43525.00 2.0
21 92498.22 -5774.... 98273.00 7.1
Show perfomance scores
Model MSE RMSE MAE MAPE R2
Linear Regression 33216979.733 5763.417 4990.261 0.078 0.957
21 | 21 | 21 | 1×21