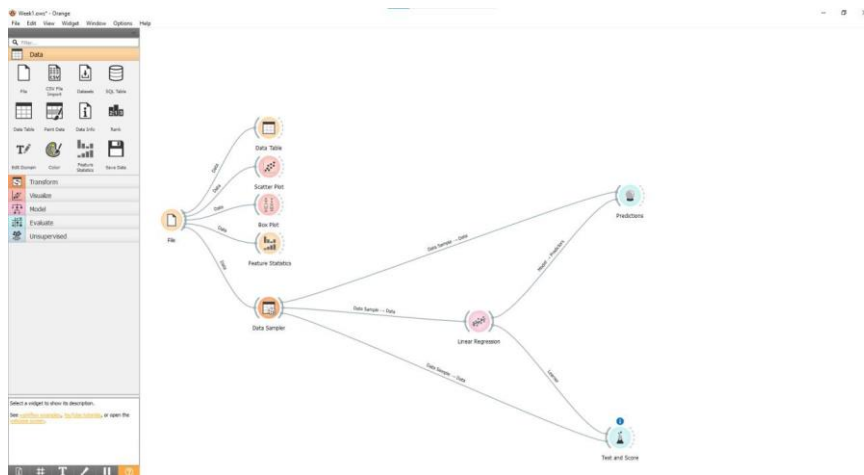


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Minggu 1 Task 3

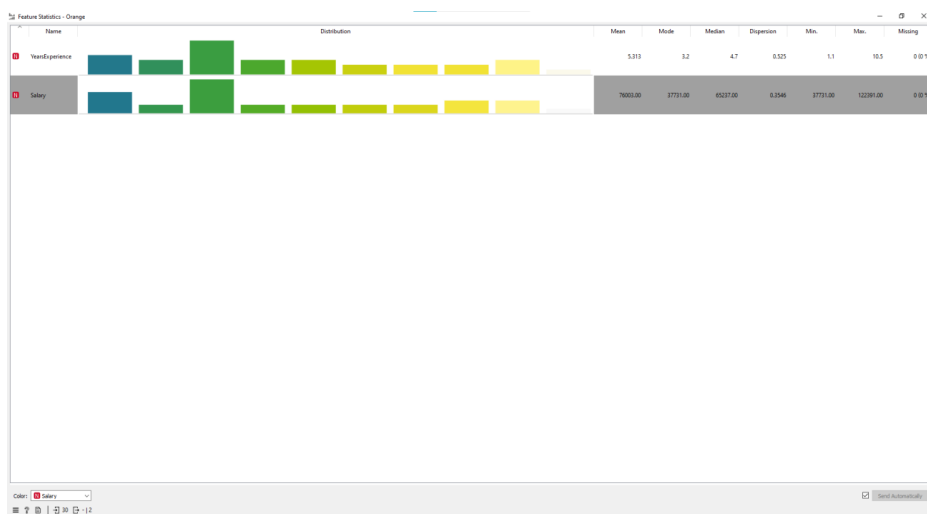
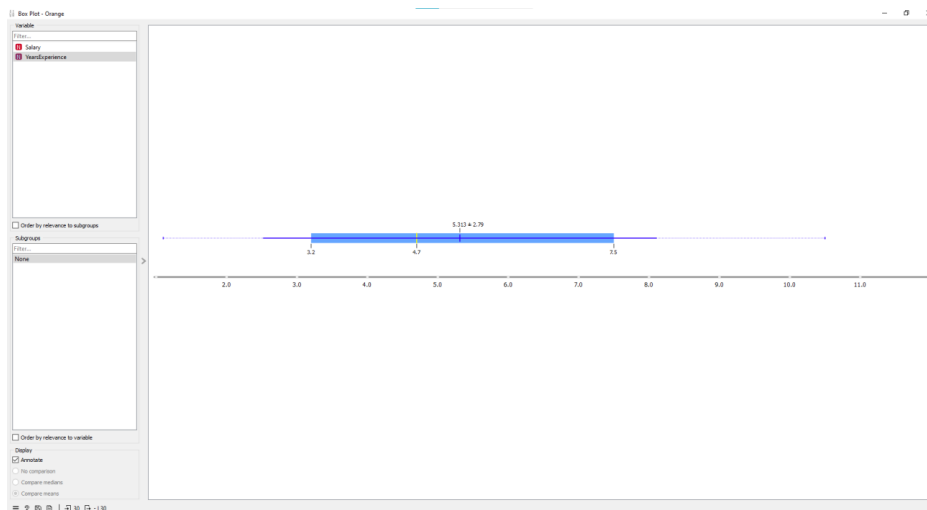
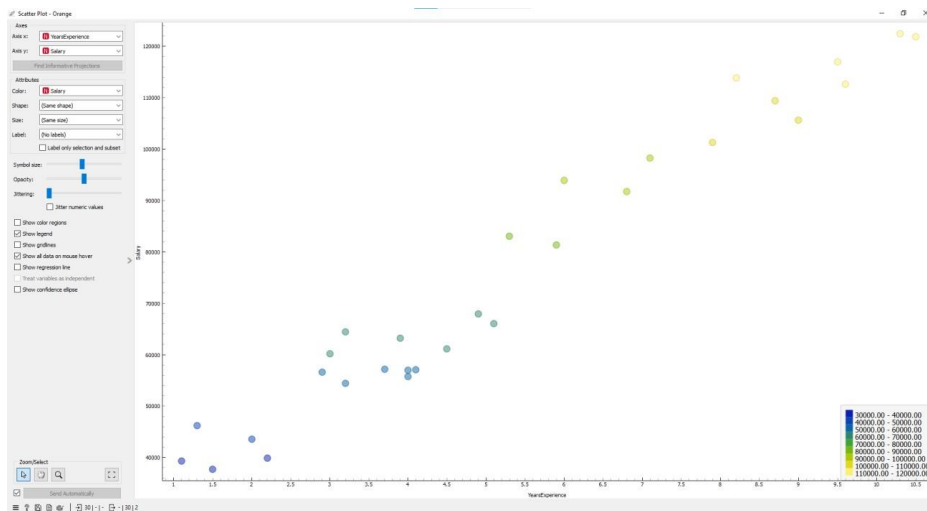


The screenshot shows the 'Data Table' widget in Orange3, displaying the dataset structure. The table has two columns: 'YearsExperience' and 'Salary'. The 'YearsExperience' column is of type 'numeric' and the 'Salary' column is of type 'numeric'. The table contains 30 rows of data.

YearsExperience	Salary
1.1	52000.00
1.3	56000.00
1.5	61000.00
2.0	64000.00
2.2	68000.00
2.9	74000.00
3.0	77000.00
3.2	80000.00
3.2	83000.00
3.7	84000.00
3.9	86000.00
4.0	89000.00
4.1	90000.00
4.5	92000.00
4.9	94000.00
5.1	96000.00
5.3	98000.00
5.9	101000.00
6.0	104000.00
6.8	107000.00
7.1	109000.00
7.9	110000.00
8.2	113000.00
8.7	115000.00
9.0	118000.00
9.5	120000.00
9.6	121000.00
10.1	123000.00
10.3	124000.00

The screenshot shows the 'Data Table' widget in Orange3, displaying the dataset content. The table has two columns: 'Salary' and 'YearsExperience'. The table contains 30 rows of data.

Salary	YearsExperience
52000.00	1.1
56000.00	1.3
61000.00	1.5
64000.00	2.0
68000.00	2.2
74000.00	2.9
77000.00	3.0
80000.00	3.2
83000.00	3.2
84000.00	3.7
86000.00	3.9
89000.00	4.0
90000.00	4.1
92000.00	4.5
94000.00	4.9
96000.00	5.1
98000.00	5.3
101000.00	5.9
104000.00	6.0
107000.00	6.8
109000.00	7.1
110000.00	7.9
113000.00	8.2
115000.00	8.7
118000.00	9.0
120000.00	9.5
121000.00	9.6
123000.00	10.1
124000.00	10.3



Linear Regression - Orange

Name: Linear Regression

Parameters

☒ Fit intercept (unchecking it fixes it to zero)

Regularization

☒ No regularization Regularization strength:

☐ Ridge regression (L2) Alpha: 0.0001

☐ Lasso regression (L1) Elastic net mixing:

☐ Elastic net regression

☒ Apply Automatically

Data Sampler - Orange

Sampling Type

☒ Fixed proportion of data:

☐ Fixed sample size

Instances:

☐ Sample with replacement

☐ Cross validation

Number of subsets:

Unused subset:

☐ Bootstrap

Options

☒ Replicable (deterministic) sampling

☐ Stratify sample (when possible)

Sample Data

Predictions - Orange

Linear Regression - Difference Salary Nondependence

Model	MSE	RMSE	MAE	MAPE	R2
Linear Regression	33276979.733	5768.617	4886.201	0.275	0.937

Linear Regression 33276979.733 5768.617 4886.201 0.275 0.937

Test and Score - Orange

Cross validation

Number of folds:

☒ Disabled

Cross validation by features

Random sampling

Repeat train/test:

Training set size:

☒ Disabled

☐ Leave one out

☐ Test on train data

☐ Test on test data

Compare models by: (multiple options)

Linear Regression

Note: Shows probability that the score for the model is the best is higher than that of the model in the column. Small numbers show the probability that the difference is negligible.

