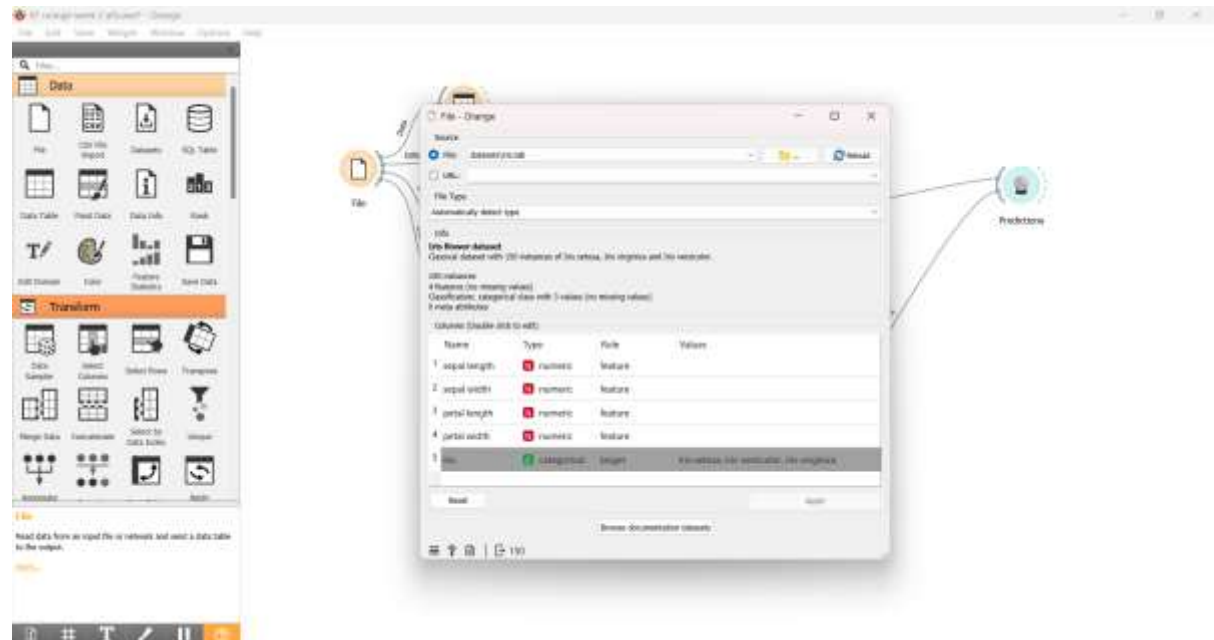


Nama : Muhamad Afri Marliansyah

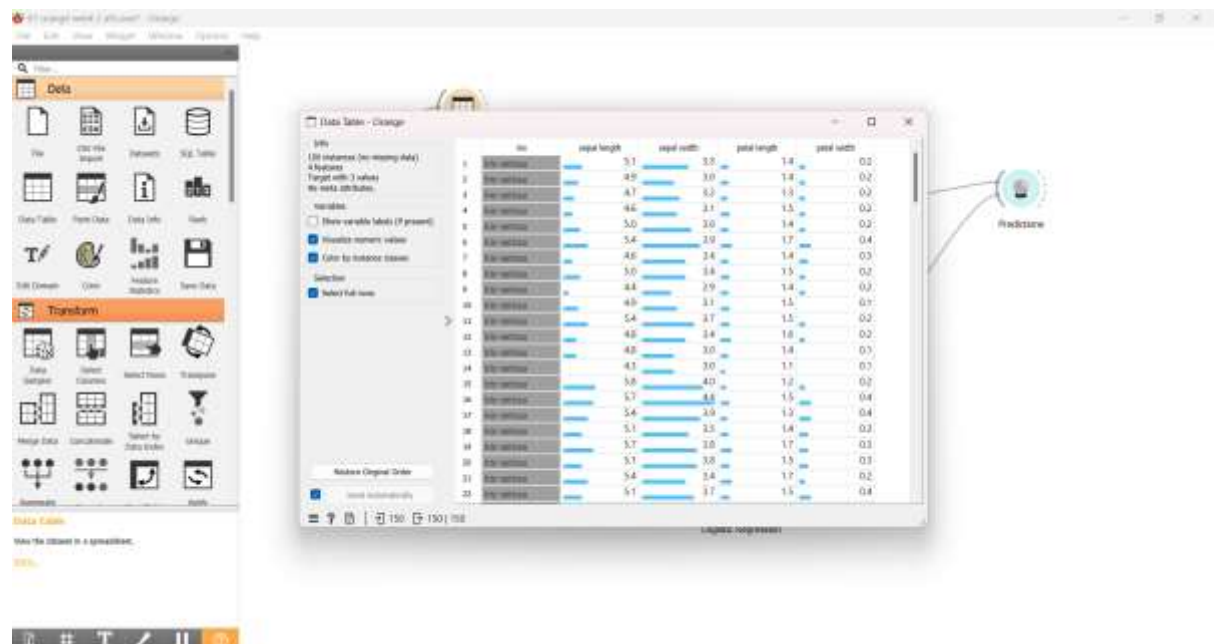
NIM : 1103210001

## Tugas Week 2

File dataset



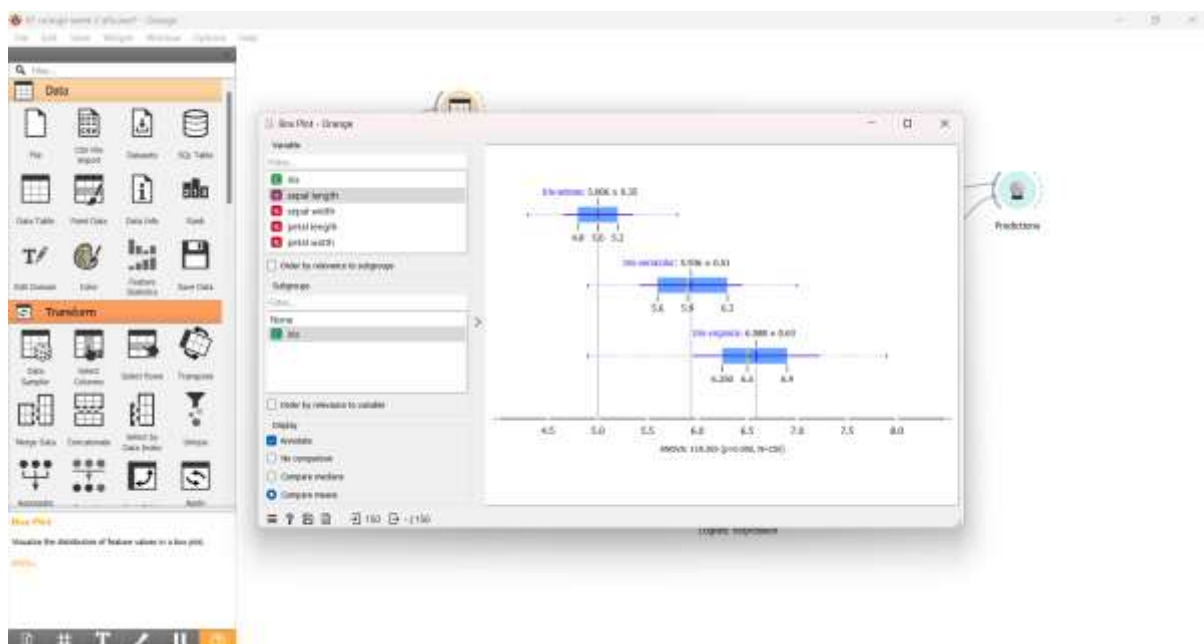
Data table



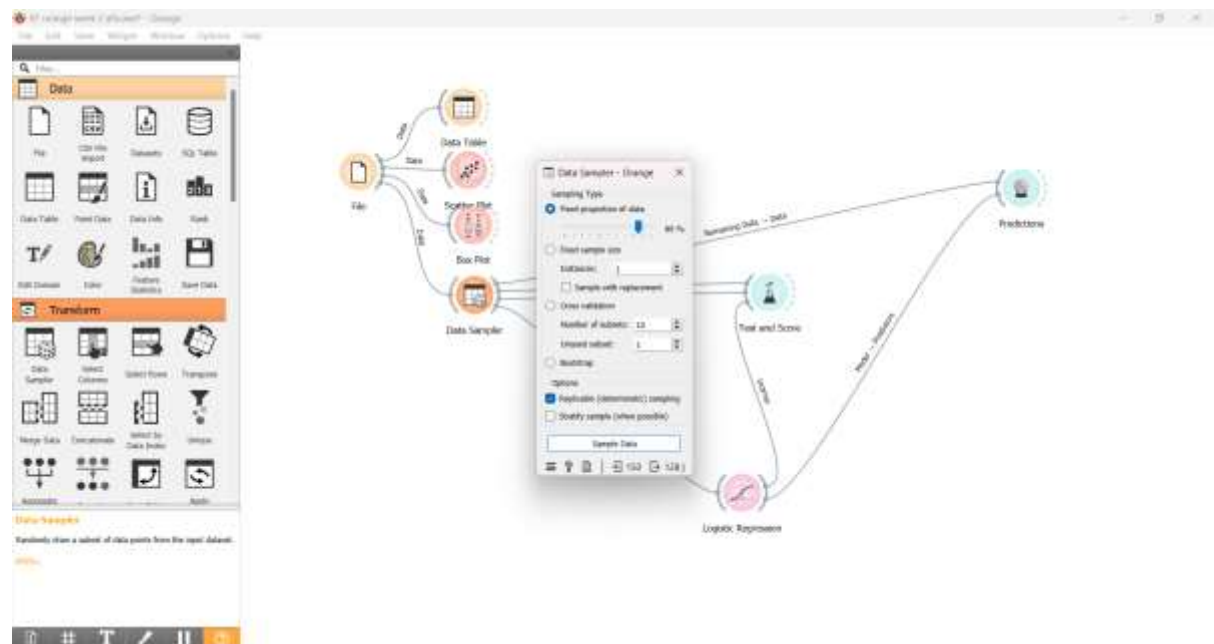
## Scatter plot



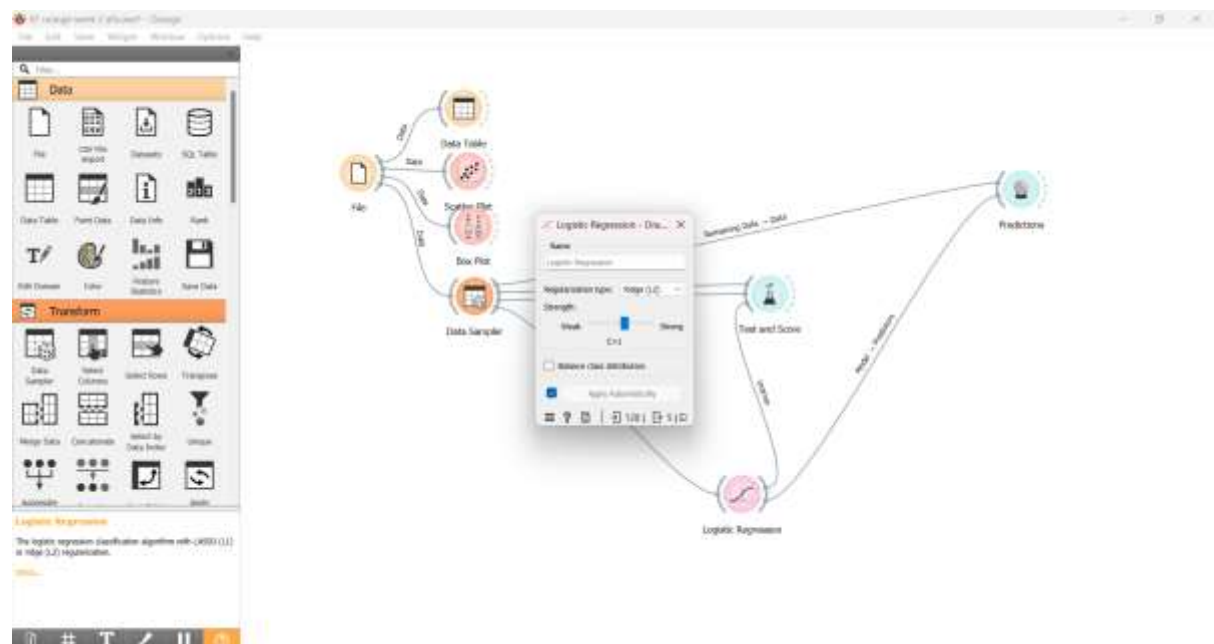
## Box plot



## Data sampler



## Logistic regression



## Test and score

The screenshot shows the Orange3 software interface. On the left is the 'Data' widget, which is a file browser. In the center is the 'Test and Score' workflow, which consists of a 'Data' widget connected to a 'Logistic Regression' widget. The 'Test and Score - Orange' dialog box is open, showing the 'Evaluation results for target: (class: flower-vergencita)'.

**Test and Score - Orange**

Number of folds: 5

Method: **Scored**

Training set size: 90%

Display model fit: **Logistic Regression**

**Evaluation results for target: (class: flower-vergencita)**

Model	ROC	CA	F1	Prec	Recall	MCC
Logistic Regression	0.997	0.991	0.993	0.994	0.995	0.998

Display model fit: **Logistic Regression**

1000 x 1000

## Predictions

The screenshot shows the Orange3 software interface. On the left is the 'Data' widget, which is a file browser. In the center is the 'Predictions' workflow, which consists of a 'Data' widget connected to a 'Logistic Regression' widget. The 'Predictions - Orange' dialog box is open, showing the 'Predictions for class: flower-vergencita'.

**Predictions - Orange**

Display predictions for: **Class: flower-vergencita**

Display classification results

Index	Actual	Predicted	Score	Logit	Sepal length	Petal length	Petal width
1	flower-vergencita	flower-vergencita	0.998	5.1	5.7	1.5	0.4
2	flower-vergencita	flower-vergencita	0.998	4.9	5.4	1.3	0.3
3	flower-vergencita	flower-vergencita	0.998	5.2	5.3	1.7	0.9
4	flower-vergencita	flower-vergencita	0.998	7.2	7.0	5.8	2.6
5	flower-vergencita	flower-vergencita	0.998	4.9	5.1	1.5	0.7
6	flower-vergencita	flower-vergencita	0.998	5.2	5.1	1.6	0.4
7	flower-vergencita	flower-vergencita	0.998	4.9	5.2	1.4	0.3
8	flower-vergencita	flower-vergencita	0.998	5.9	5.1	0.9	0.1
9	flower-vergencita	flower-vergencita	0.998	7.4	7.8	6.1	2.8
10	flower-vergencita	flower-vergencita	0.998	5.3	5.5	2.6	0.8
11	flower-vergencita	flower-vergencita	0.998	5.2	5.8	4.1	1.3
12	flower-vergencita	flower-vergencita	0.998	5.5	5.0	3.5	0.8
13	flower-vergencita	flower-vergencita	0.998	5.3	5.3	4.4	1.5
14	flower-vergencita	flower-vergencita	0.998	5.4	5.9	4.3	1.3
15	flower-vergencita	flower-vergencita	0.998	5.8	5.8	4.9	2.0
16	flower-vergencita	flower-vergencita	0.998	5.8	5.8	5.1	2.8
17	flower-vergencita	flower-vergencita	0.998	5.4	5.4	3.7	0.3
18	flower-vergencita	flower-vergencita	0.998	5.1	5.8	4.0	1.3
19	flower-vergencita	flower-vergencita	0.998	4.9	5.5	4.5	1.3
20	flower-vergencita	flower-vergencita	0.998	5.8	4.3	7.2	2.2
21	flower-vergencita	flower-vergencita	0.998	5.8	5.8	4.0	1.2
22	flower-vergencita	flower-vergencita	0.998	7.1	7.0	5.5	2.1

Display performance results

Target class: (Average over classes)

Model	ROC	CA	F1	Prec	Recall	MCC
Logistic Regression	0.994	0.991	0.995	0.993	0.995	0.998

1000 x 1000