

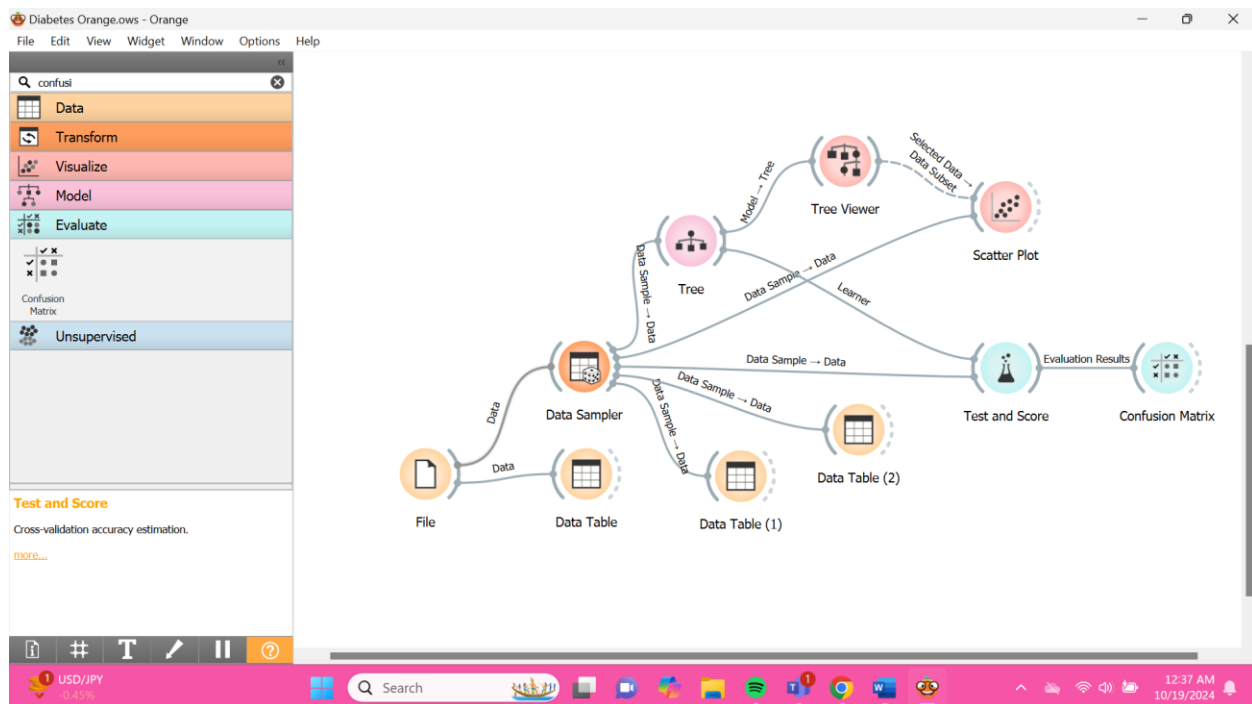
Nama = Raihana Fawaz

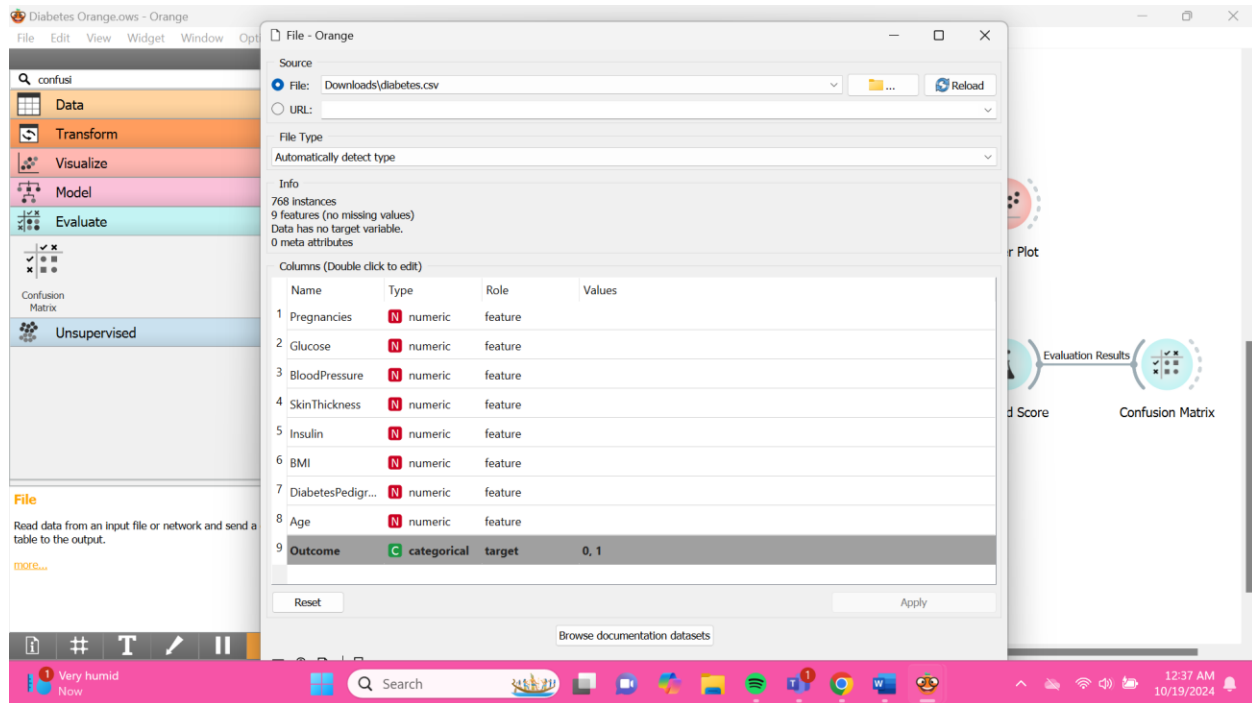
NIM = 1103210102

Kelas = TK-45-05

Tugas Week 3 Diabetes Dataset

Orange





Kolom outcome dijadikan sebagai target dan kolom lainnya menjadi fitur.

Data Table - Orange

Info
768 instances (no missing data)
8 features
Target with 2 values
No meta attributes.

Variables
☒ Show variable labels (if present)
☒ Visualize numeric values
☒ Color by instance classes

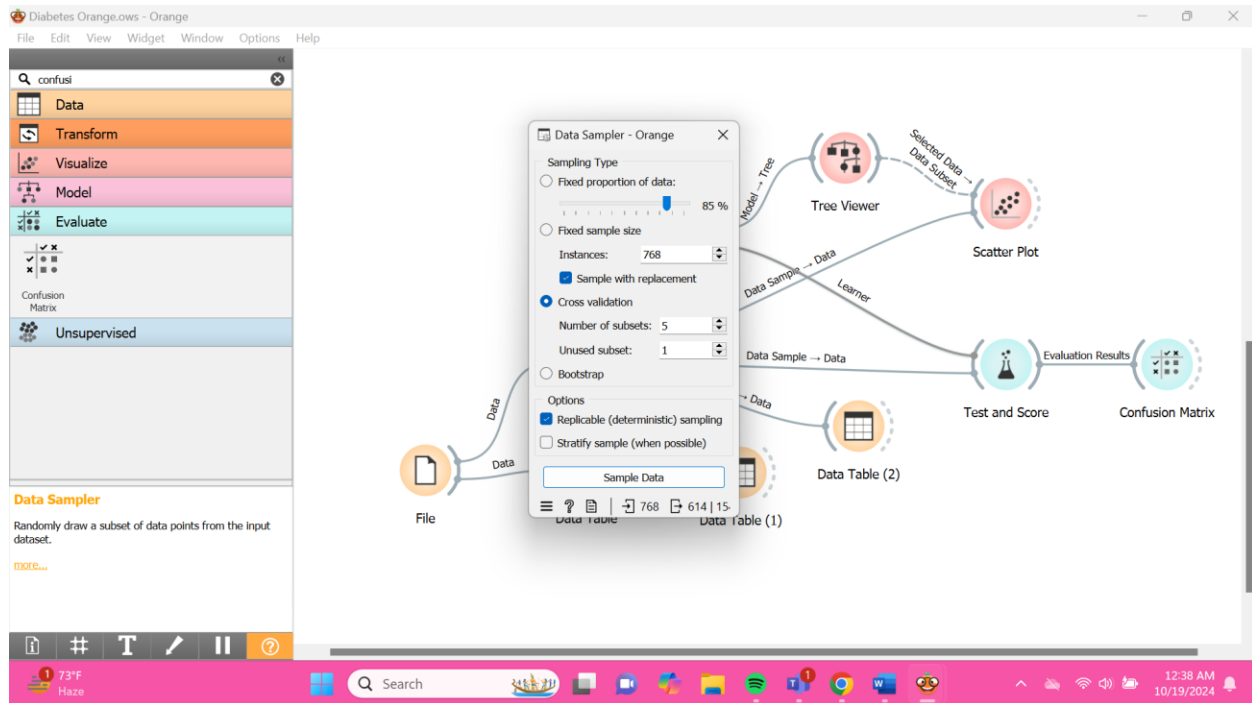
Selection
☒ Select full rows

Restore Original Order

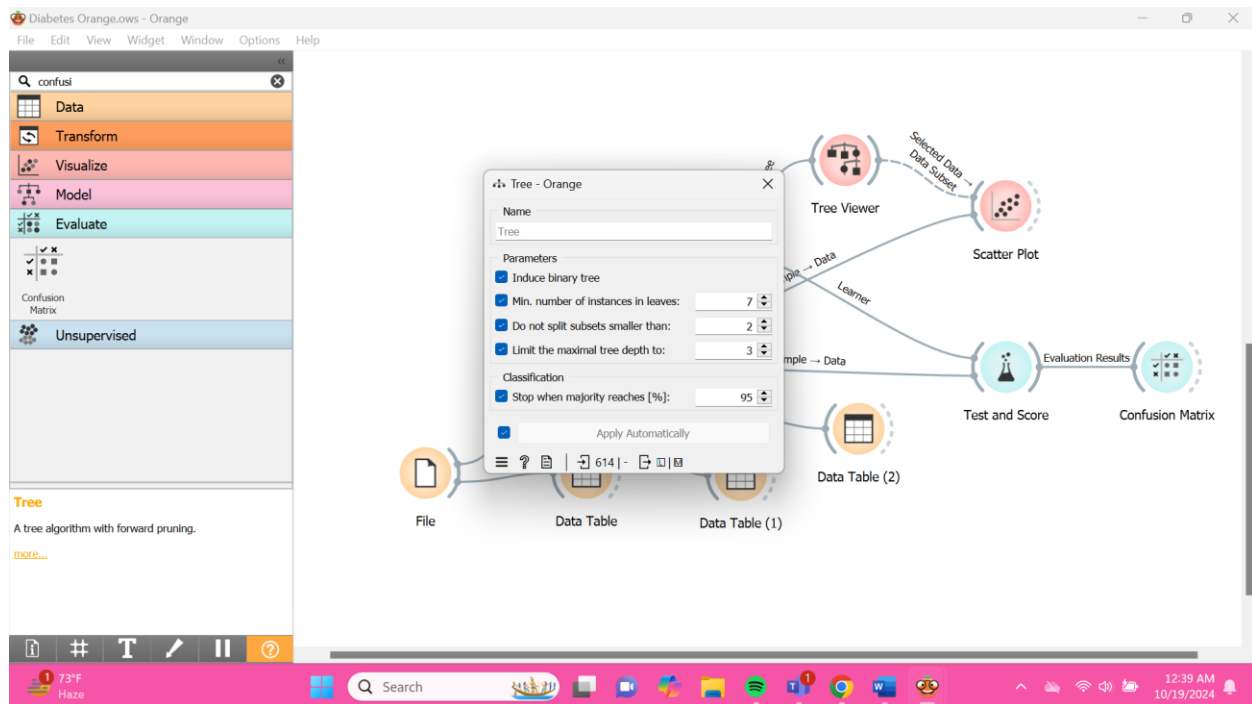
Send Automatically

	Outcome	Pregnancies	Glucose	BloodPressure	SkinThickness	Insulin	BMI	betesPedigreeFunc	Age
1	1	6	148	72	35	0	33.6	0.627	50
2	0	1	85	66	29	0	26.6	0.351	31
3	1	8	183	64	0	0	23.3	0.672	32
4	0	1	89	66	23	94	28.1	0.167	21
5	1	0	137	40	35	168	43.1	2.288	33
6	0	5	116	74	0	0	25.6	0.201	30
7	1	3	78	50	32	88	31.0	0.248	26
8	0	10	115	0	0	0	35.3	0.134	29
9	1	2	197	70	45	543	30.5	0.158	53
10	1	8	125	96	0	0	0.0	0.232	54
11	0	4	110	92	0	0	37.6	0.191	30
12	1	10	168	74	0	0	38.0	0.537	34
13	0	10	139	80	0	0	27.1	1.441	57
14	1	1	189	60	23	846	30.1	0.398	59
15	1	5	166	72	19	175	25.8	0.587	51
16	1	7	100	0	0	0	30.0	0.484	32
17	1	0	118	84	47	230	45.8	0.551	31
18	1	7	107	74	0	0	29.6	0.254	31
19	0	1	103	30	38	83	43.3	0.183	33
20	1	1	115	70	30	96	34.6	0.529	32
21	0	3	126	88	41	235	39.3	0.704	27
22	0	8	99	84	0	0	35.4	0.388	50
23	1	7	196	90	0	0	39.8	0.451	41
24	1	9	119	80	35	0	29.0	0.263	29
25	1	11	143	94	33	146	36.6	0.254	51
26	1	10	125	70	26	115	31.1	0.205	41
27	1	7	147	76	0	0	39.4	0.257	43
28	0	1	97	66	15	140	23.2	0.487	22

Diketahui terdapat 768 data dengan 9 fitur



Nomor subset menjadi 5 dan unused subset menjadi 1.



Mengubah nilai menjadi 7, 2, 3.

Diabetes Orange.ows - Orange

File Edit View Widget Window Options Help

confusi

Data

Transform

Visualize

Model

Evaluate

Confusion Matrix

Unsupervised

Test and Score

Cross-validation accuracy estimation.

[more...](#)

Test and Score - Orange

☒ Cross validation

Number of folds: 10

☐ Stratified

☐ Cross validation by feature

☐ Random sampling

Repeat train/test: 10

Training set size: 60 %

☒ Stratified

☐ Leave one out

☐ Test on train data

☐ Test on test data

Evaluation results for target (None, show average over classes)

Model	AUC	CA	F1	Prec	Recall	MCC
Tree	0.813	0.733	0.724	0.724	0.733	0.386

Compare models by: Area under ROC curve

☐ Negligible diff.: 0.1

	Tree
Tree	

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.

614 | 1x614

confusion Matrix

Hasil akurasi yang dihasilkan adalah 81,3%.