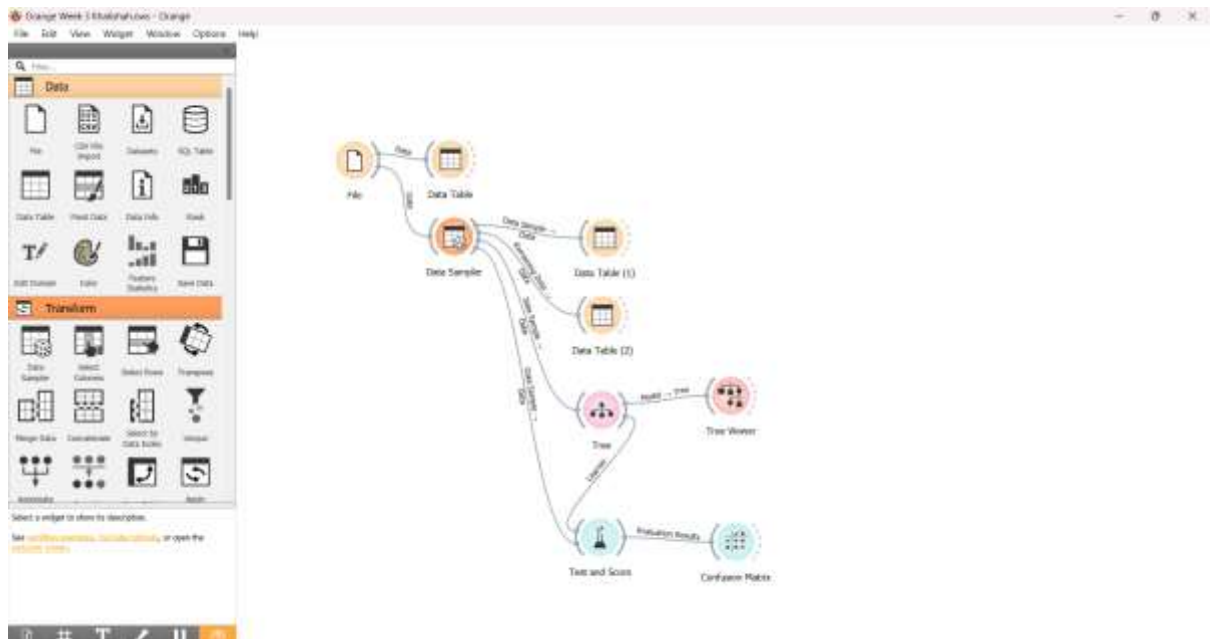


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Tugas Week 3 Machine Learning



File: Ubah outcome menjadi target

The screenshot displays the 'Data Table' widget in Orange3, showing a list of variables from a dataset. The variables are listed in a table with columns for Name, Type, Role, and Values. The 'Outcome' variable is highlighted in green and labeled as 'target'.

Name	Type	Role	Values
1. Pregnancies	numeric	Feature	
2. Glucose	numeric	Feature	
3. BloodPressure	numeric	Feature	
4. SkinThickness	numeric	Feature	
5. Insulin	numeric	Feature	
6. BMI	numeric	Feature	
7. DiabetesPedigree	numeric	Feature	
8. Age	numeric	Feature	
9. Outcome	categorical	target	0, 1

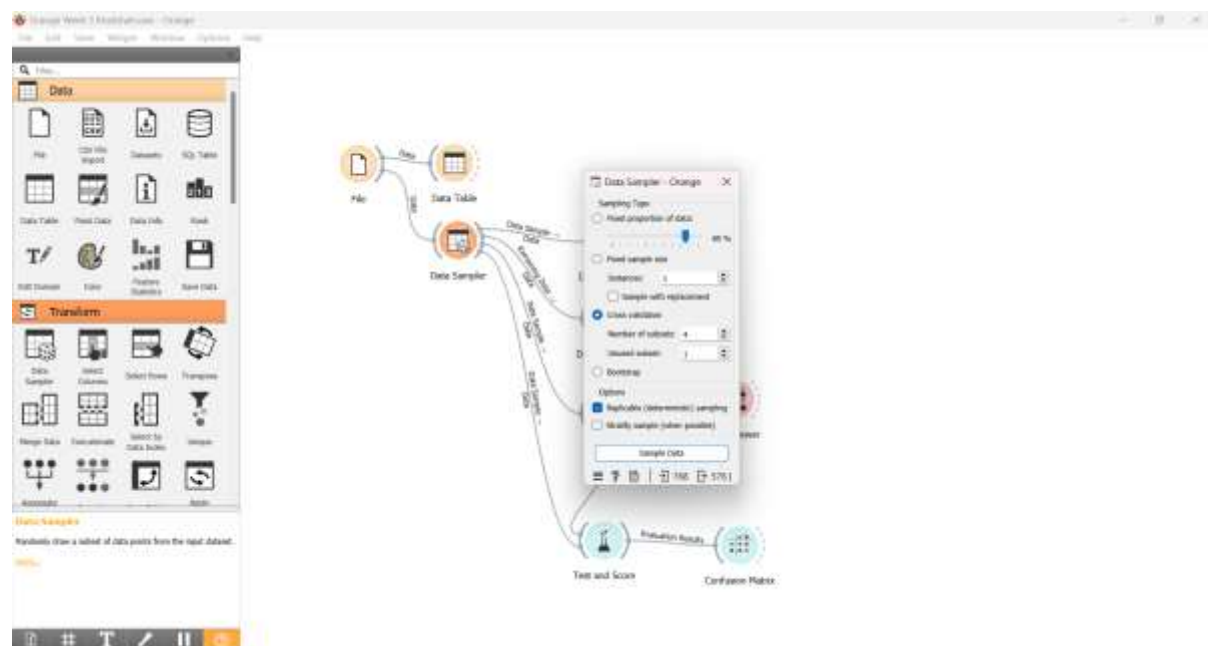
Data table: 0 (non diabetes)

Outcome	Pregnancies	Glucose	BloodPressure	SkinThickness	Insulin	BMI	diabetesPedigreeFunc	Age
0	1	85	80	29	9	20.8	0.351	31
0	1	89	86	25	94	28.1	0.161	21
0	3	180	74	0	0	23.4	0.201	30
0	10	155	0	0	0	23.2	0.124	29
0	4	150	82	0	0	27.2	0.191	30
0	10	130	80	0	0	27.1	1.441	31
0	1	105	30	38	87	43.3	0.182	32
0	1	126	80	41	215	29.3	0.704	21
0	6	80	84	0	0	33.4	0.380	30
0	1	87	60	15	140	23.2	0.407	23
0	11	145	82	19	119	22.2	0.240	37
0	3	117	82	0	0	24.1	0.337	30
0	3	109	75	28	0	30.0	0.540	30
0	3	80	90	11	14	24.8	0.261	32
0	6	80	80	0	0	19.9	0.180	26
0	10	122	70	31	0	27.6	0.012	42
0	4	105	60	33	100	24.0	0.060	33
0	11	130	70	0	0	33.2	0.420	35
0	1	100	84	25	15	34.0	0.271	26
0	1	135	84	0	0	40.2	0.690	37
0	1	180	80	18	0	20.7	0.230	46
0	1	150	84	0	0	27.4	0.204	40
0	1	140	50	0	0	22.7	0.504	26
0	3	71	70	27	0	30.0	0.580	23
0	7	105	0	0	0	30.0	0.305	24
0	1	105	80	15	82	19.4	0.491	22
0	1	107	90	15	14	34.2	0.520	26
0	3	80	60	21	23	24.4	0.240	30
0	7	150	80	40	240	24.7	0.710	42
0	1	72	90	10	0	23.0	0.240	27
0	0	100	80	60	119	40.0	0.060	37
0	0	140	80	0	0	40.0	1.191	44
0	0	105	64	41	140	41.5	0.171	22
0	3	34	0	0	0	0.0	0.304	21
0	3	44	60	0	0	25.0	0.507	26
0	3	141	50	34	128	25.4	0.690	24
0	0	80	74	27	0	29.0	0.320	32

Data table: 1 (diabetes)

Outcome	Pregnancies	Glucose	BloodPressure	SkinThickness	Insulin	BMI	diabetesPedigreeFunc	Age
1	9	145	72	55	0	23.0	0.027	30
1	9	107	64	0	0	23.9	0.672	32
1	13	137	40	30	160	42.1	0.280	33
1	3	70	50	20	80	21.0	0.240	26
1	2	107	70	40	540	18.5	0.100	33
1	9	125	80	0	0	30.0	0.232	34
1	10	100	74	0	0	28.0	0.537	34
1	5	109	80	23	0	38.1	0.160	39
1	5	144	70	14	175	25.0	0.587	31
1	7	100	0	0	0	30.0	0.404	32
1	0	110	84	47	230	45.0	0.551	31
1	7	107	74	0	0	29.0	0.204	31
1	1	115	70	30	90	34.0	0.529	32
1	9	100	60	0	0	18.0	0.451	41
1	9	118	80	30	0	26.0	0.261	29
1	10	141	94	33	140	30.0	0.254	31
1	10	125	70	28	115	31.1	0.201	41
1	7	147	70	0	0	18.4	0.297	40
1	9	109	70	30	180	31.4	0.001	28
1	6	100	70	37	0	32.0	0.240	46
1	9	99	60	40	0	18.2	0.503	27
1	4	111	70	47	207	17.1	1.090	36
1	9	171	119	24	240	45.4	0.721	34
1	10	100	60	30	0	42.0	1.091	25
1	7	107	60	30	0	19.1	0.344	31
1	9	170	90	34	300	15.7	0.467	38
1	7	107	60	30	304	17.7	0.254	41
1	9	113	70	0	0	12.0	0.270	29
1	7	114	60	0	0	12.0	0.230	40
1	10	109	80	30	0	12.5	0.093	38
1	3	100	64	20	90	12.0	0.267	28
1	10	124	60	0	0	43.0	0.585	42
1	3	137	0	0	0	42.2	0.270	26
1	10	130	70	30	110	17.1	0.183	42
1	4	154	70	0	0	23.0	0.277	40
1	5	137	60	51	120	49.7	0.305	31

Data sampler:



Data sample → Data

Data Table (1) - Orange

Info: 228 instances (no missing data)
A feature: Target with 2 values
No meta-attributes

Variables:
☐ Show variable labels (if present)
☒ Visualize numeric values
☐ Color by instance classes
 Selection:
☒ Select full rows

	Outcome	Programme	Score	GoodProcess	Self-technic	Index	Age	AbstractIndex	Age
1	0	9	145	12	55	0	73.0	0.027	30
2	0	1	85	64	29	0	26.0	0.101	31
3	0	7	89	44	23	0	28.1	0.167	21
4	1	0	127	40	25	100	42.1	2.289	11
5	0	3	110	74	9	0	23.0	0.201	30
6	0	2	102	70	40	342	18.5	0.119	15
7	0	8	125	98	9	0	30.0	0.232	34
8	0	13	264	74	0	0	18.0	0.337	14
9	0	13	139	80	0	0	27.1	1.441	17
10	0	1	109	60	23	0	18.1	0.388	16
11	0	5	169	77	19	175	23.0	0.587	11
12	0	7	108	9	0	0	18.0	0.484	12
13	0	10	118	94	47	230	45.8	0.511	11
14	0	3	107	14	0	0	19.6	0.254	11
15	0	1	103	30	38	81	42.3	0.181	13
16	0	1	111	70	30	90	24.0	0.529	12
17	0	3	119	88	41	230	18.3	0.774	17
18	0	9	119	14	0	0	12.4	0.288	30
19	0	7	189	90	0	0	19.0	0.051	41
20	0	11	143	99	31	140	16.6	0.254	11
21	0	10	125	70	26	115	11.1	0.283	41
22	0	7	147	70	0	0	18.4	0.257	41
23	0	1	97	66	13	140	23.2	0.487	22
24	0	9	117	10	0	0	34.1	0.337	16
25	0	9	84	58	11	34	34.9	0.247	11
26	0	10	122	78	31	0	27.6	0.112	40
27	0	4	103	60	33	101	24.0	0.366	11
28	0	11	118	70	0	0	13.2	0.433	10
29	0	9	103	70	37	0	12.9	0.083	40
30	0	2	89	69	40	0	18.2	0.181	27
31	0	3	108	64	20	70	14.0	0.271	16
32	0	7	133	64	0	0	48.2	0.686	17
33	0	7	106	60	16	0	22.7	0.235	40
34	0	9	111	119	24	340	43.4	0.721	14
35	0	0	203	68	19	0	42.0	1.081	25
36	0	1	146	34	0	0	19.7	0.144	29
37	0	0	71	70	27	0	18.0	0.584	22

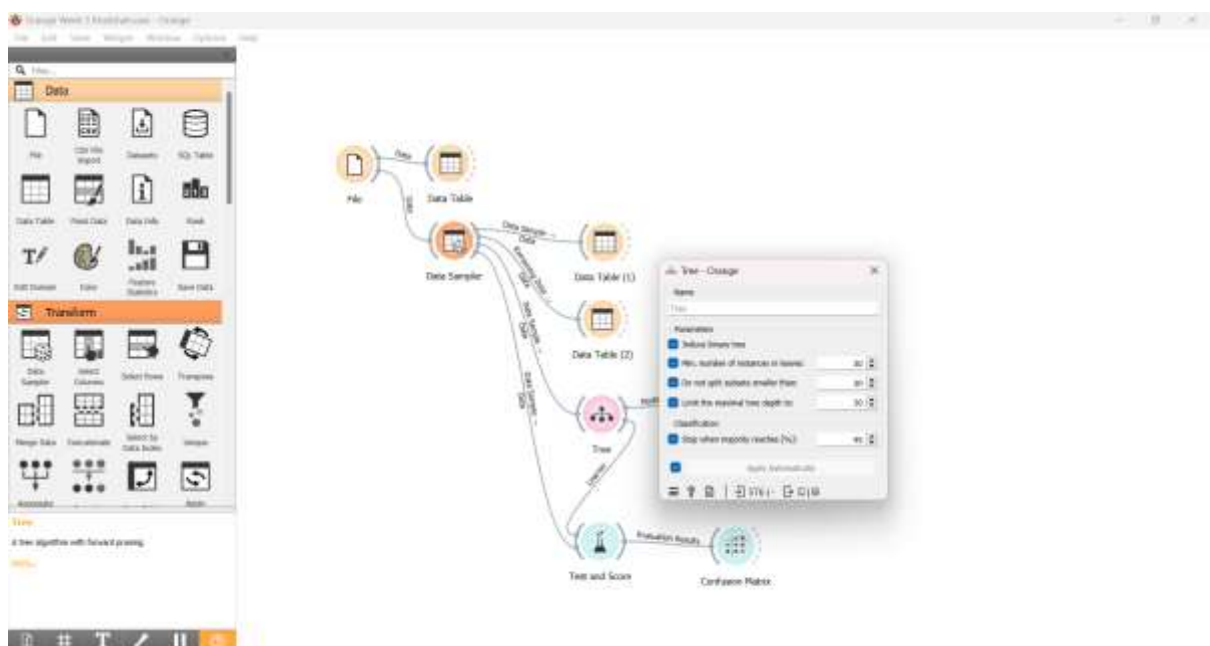
Reset Original Order
 Select Automatically

176 576 (5%)

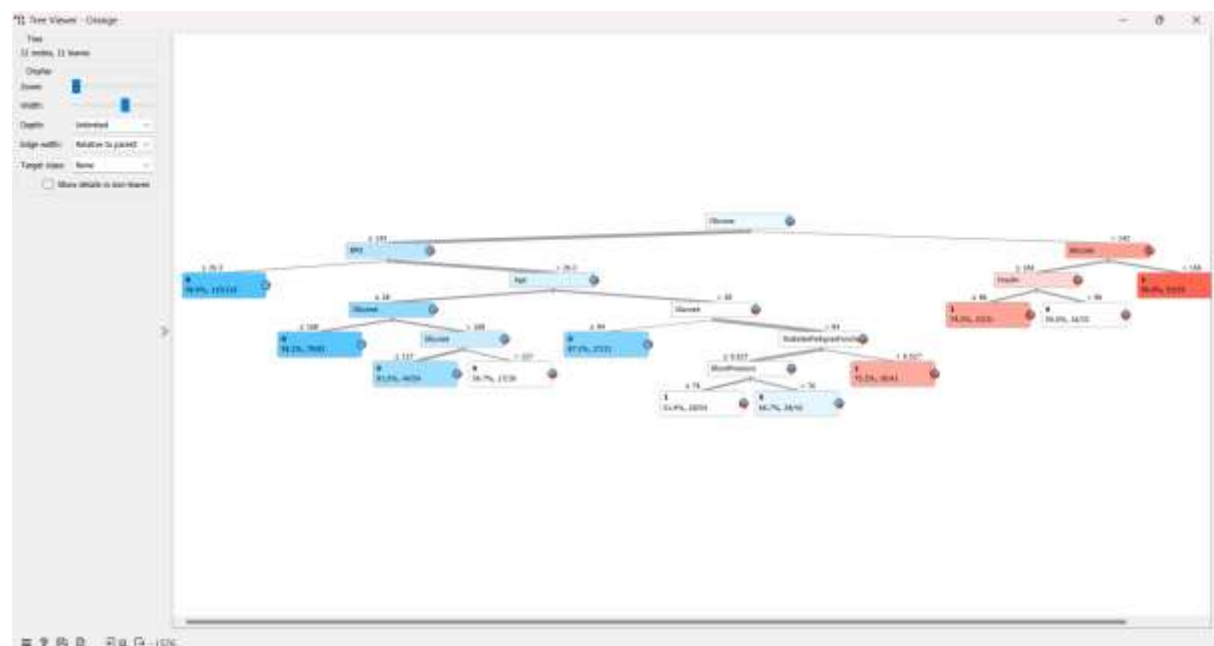
Remaining data → Data

	Outcome	Pregnancies	Glucose	BloodPressure	SkinThickness	Insulin	BMI	DiabeticPedigreeFunction	Age
1	0	6	120	64	0	0	23.5	0.672	32
2	1	3	79	56	32	96	19.0	0.245	29
3	0	63	115	4	0	0	15.5	0.134	29
4	0	4	110	62	0	0	17.8	0.191	30
5	0	8	113	85	28	0	28.0	0.262	28
6	0	77	143	62	19	110	22.2	0.241	37
7	0	5	109	71	28	0	28.0	0.246	40
8	0	9	158	16	28	145	17.6	0.051	28
9	0	4	62	62	0	0	18.9	0.168	28
10	0	4	111	72	47	207	27.1	0.189	36
11	0	7	158	64	0	0	27.4	0.284	40
12	0	7	505	0	0	0	8.0	0.185	24
13	0	7	150	86	42	342	24.7	0.178	42
14	0	1	77	58	19	0	23.0	0.140	21
15	0	3	84	0	0	0	8.0	0.104	21
16	0	3	147	52	24	128	25.4	0.089	24
17	0	5	69	74	27	0	28.0	0.283	32
18	0	10	109	83	38	0	12.5	0.055	38
19	0	2	709	52	0	0	42.7	0.049	54
20	0	2	748	89	27	130	28.9	0.189	27
21	0	5	100	96	28	40	32.9	0.267	28
22	0	12	128	96	0	0	42.4	0.262	42
23	0	7	62	78	0	0	12.6	0.281	41
24	0	9	95	72	33	0	17.7	0.270	27
25	0	9	751	0	0	0	43.2	0.270	29
26	0	2	712	66	22	0	23.0	0.201	24
27	0	5	74	0	0	0	8.0	0.188	22
28	0	5	127	108	0	0	48.0	0.207	27
29	0	13	109	72	54	0	14.6	0.178	45
30	0	7	89	55	0	0	18.1	0.250	27
31	0	7	77	49	19	70	18.4	0.127	22
32	0	1	151	66	0	0	26.1	0.179	22
33	0	9	96	49	25	36	17.4	0.247	24
34	0	4	87	68	23	0	18.2	0.443	22
35	0	0	162	78	56	130	22.7	0.299	25
36	0	9	722	56	0	0	22.7	0.174	22
37	0	0	84	74	21	0	18.3	0.407	39

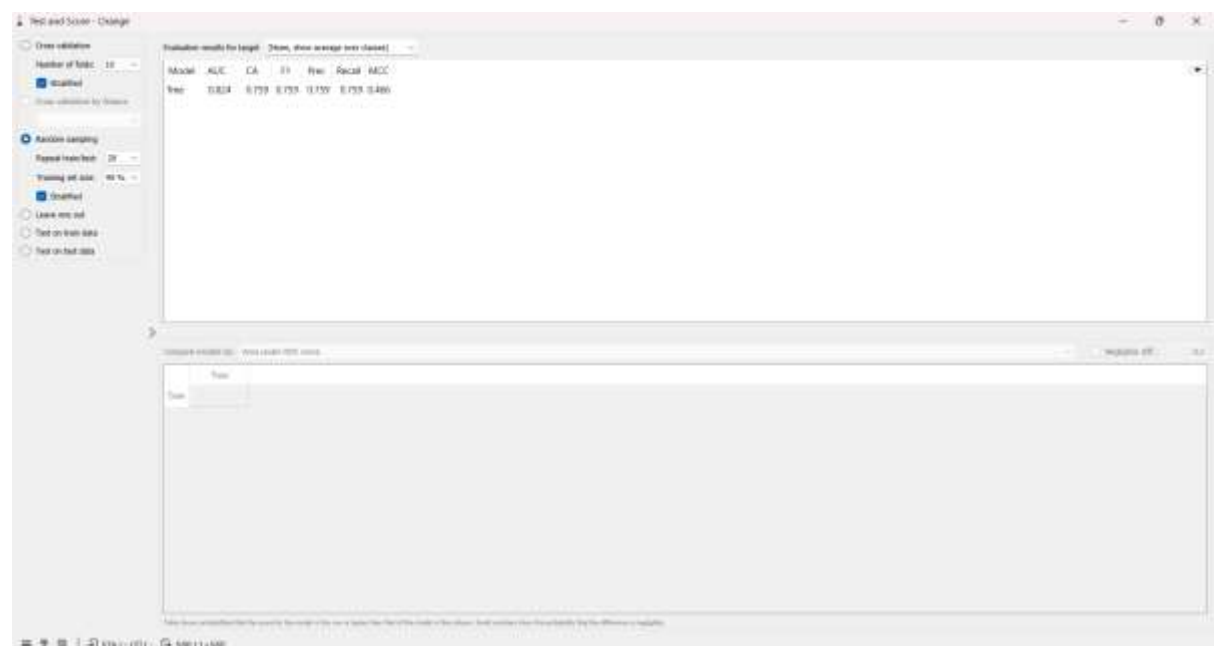
Tree:



Tree Viewer:



Test and Score:



Hasil Evaluasi:

