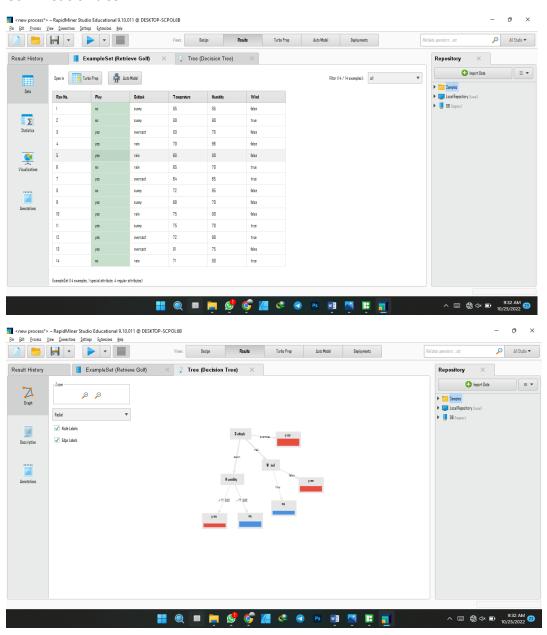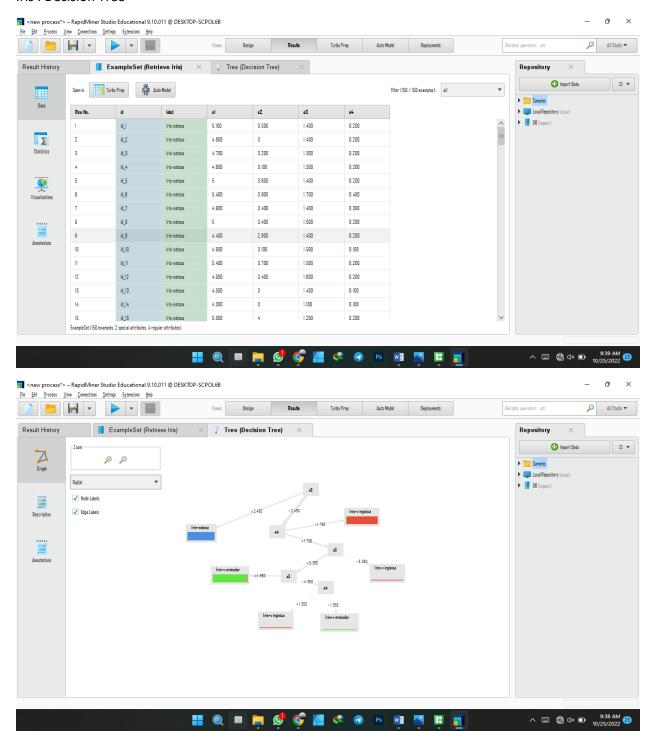Nama   : Fatihurroyyan

NIM   : 211001003

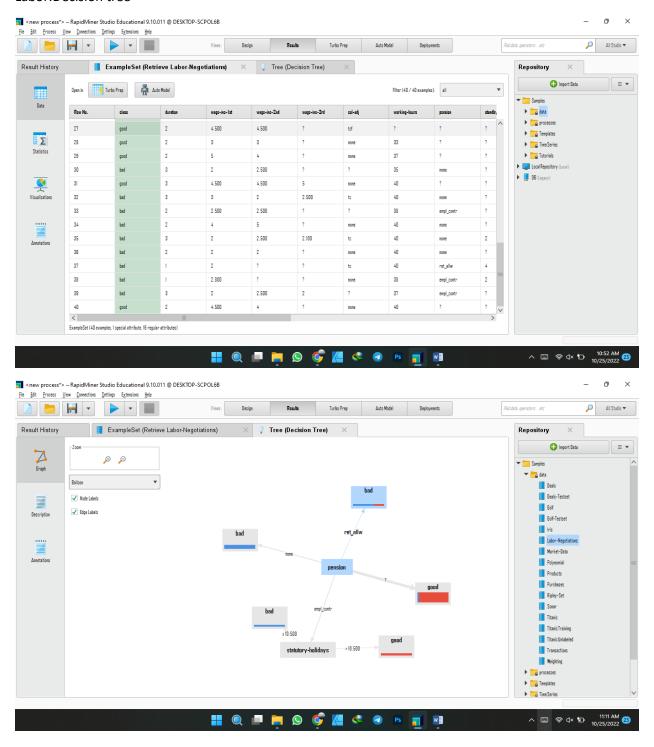Kelas   : C

Golf : Decision tree

Iris : Decision Tree

Labor:Decision tree

Polynomial : Linear Regression

ExampleSet (Retrieve Polynomial)

Row No.	label	a1	a2	a3	a4	a5
1	88.016	0.637	8.442	2.116	2.772	8.448
2	138.755	4.585	4.388	4.826	2.682	8.618
3	38.284	4.292	0.861	9.158	6.607	4.085
4	82.148	8.560	3.856	1.038	1.688	2.863
5	33.790	2.272	1.634	6.301	1.938	2.070
6	7.389	3.956	0.344	4.337	7.563	8.591
7	161.453	2.220	7.843	6.463	8.732	9.282
8	15.349	6.105	1.075	1.163	9.241	7.239
9	97.405	2.691	3.572	7.806	6.843	3.054
10	111.497	4.263	7.369	0.821	6.688	3.976
11	203.574	1.364	9.046	8.860	2.573	1.536
12	140.767	6.226	8.381	0.351	3.639	6.234
13	258.381	9.812	3.942	5.305	6.661	7.116
14	20.330	1.383	1.469	7.947	2.043	0.030
15	105.813	0.697	9.844	0.001	4.557	3.258

ExampleSet (200 examples, 1 special attribute, 5 regular attributes)

LinearRegression (Linear Regression)

Attribute	Coefficient	Std. Error	Std. Coefficient	Tolerance	t-Stat	p-Value	Code
a1	31.736	2.114	0.463	1.000	15.009	0	****
a2	42.948	1.928	0.689	0.998	22.276	0	****
a3	23.773	2.000	0.369	1.000	11.888	0	****
a4	3.706	2.060	0.056	1.000	1.799	0.074	*
a5	-4.184	1.923	-0.068	0.999	-2.176	0.031	**
(Intercept)	-304.228	23.603	?	?	-12.889	0	****

Purchase: K-Medoits

Riplay-set: Linear Regression

Sonar: Linear Regression

ExampleSet (208 examples, 1 special attribute, 60 regular attributes)

Row No.	class	attribute_1	attribute_2	attribute_3	attribute_4	attribute_5	attribute_6	attribute_7	attribute...
1	Rock	0.020	0.037	0.043	0.021	0.095	0.099	0.154	0.160
2	Rock	0.045	0.052	0.084	0.069	0.118	0.258	0.216	0.348
3	Rock	0.026	0.058	0.110	0.108	0.097	0.228	0.243	0.377
4	Rock	0.010	0.017	0.062	0.021	0.021	0.037	0.110	0.128
5	Rock	0.076	0.067	0.048	0.039	0.059	0.065	0.121	0.247
6	Rock	0.029	0.045	0.028	0.017	0.038	0.099	0.120	0.183
7	Rock	0.032	0.096	0.132	0.141	0.167	0.171	0.073	0.140
8	Rock	0.052	0.055	0.084	0.032	0.116	0.092	0.103	0.061
9	Rock	0.022	0.037	0.048	0.048	0.065	0.059	0.075	0.010
10	Rock	0.016	0.017	0.035	0.007	0.019	0.067	0.106	0.070
11	Rock	0.004	0.006	0.015	0.034	0.031	0.028	0.040	0.027
12	Rock	0.012	0.031	0.017	0.031	0.036	0.010	0.018	0.058
13	Rock	0.008	0.009	0.005	0.025	0.034	0.055	0.053	0.086
14	Rock	0.009	0.006	0.025	0.049	0.120	0.159	0.139	0.089

Attribute	Coefficient	Std. Error	Std. Coefficient	Tolerance	t-Stat	p-Value	Code
attribute_1	2.053	1.970	0.094	0.904	1.042	0.299	
attribute_2	2.007	1.800	0.132	0.930	1.115	0.267	
attribute_3	-5.631	1.679	-0.433	0.886	-3.353	0.001	***
attribute_4	3.253	1.035	0.303	0.953	3.142	0.002	***
attribute_8	-1.191	0.631	-0.203	0.910	-1.888	0.061	*
attribute_9	0.943	0.753	0.223	0.858	1.251	0.213	
attribute_10	-0.381	0.689	-0.102	0.802	-0.552	0.582	
attribute_11	0.247	0.782	0.066	0.701	0.316	0.752	
attribute_12	1.027	0.633	0.288	0.777	1.621	0.107	
attribute_13	0.422	0.632	0.118	0.851	0.668	0.505	
attribute_14	-0.361	0.576	-0.118	0.955	-0.627	0.532	
attribute_15	0.257	0.581	0.106	0.996	0.443	0.658	
attribute_16	-0.256	0.565	-0.118	1.000	-0.453	0.652	
attribute_17	-0.696	0.590	-0.367	1.000	-1.181	0.240	
attribute_18	1.007	0.553	0.527	1.000	1.821	0.071	*

Weighting: Linear regression

ExampleSet data table (first screenshot):

Row No.	weighting.dat (7)	weighting.dat (1)	weighting.dat (2)	weighting.dat (3)	weighting.dat (4)	weighting.dat (5)	weighting.dat (6)
1	negative	2.522	9.912	5.474	9.709	3.058	3.380
2	positive	7.858	7.723	6.137	5.415	4.316	5.141
3	negative	0.117	5.276	0.901	6.577	4.379	2.075
4	negative	1.913	7.986	3.786	8.899	0.910	6.283
5	negative	4.823	2.889	9.938	2.146	2.631	7.884
6	positive	8.095	1.374	4.541	0.369	2.821	0.773
7	negative	0.856	5.497	0.261	1.712	7.141	7.054
8	negative	9.454	9.764	9.871	5.705	4.958	8.023
9	negative	0.212	5.010	6.989	7.555	3.813	8.200
10	positive	8.702	4.536	5.719	3.634	7.026	9.335
11	positive	8.375	3.521	8.745	7.373	7.541	4.465
12	positive	9.919	7.514	5.416	4.280	4.281	2.280
13	positive	6.838	2.022	2.770	7.401	3.916	4.286
14	positive	8.927	5.722	3.849	1.616	0.200	0.477
15	negative	3.053	8.927	9.004	1.965	9.743	0.142

ExampleSet (500 examples, 1 special attribute, 6 regular attributes)

LinearRegression (Linear Regression) results:

Attribute	Coefficient	Std. Error	Std. Coefficient	Tolerance	t-Stat	p-Value	Code
weighting.dat (1)	0.122	0.004	0.709	1.000	27.432	0	****
weighting.dat (2)	-0.052	0.005	-0.298	0.999	-11.526	0	****
weighting.dat (3)	-0.047	0.004	-0.271	1.000	-10.469	0	****
(Intercept)	0.381	0.040	?	?	9.580	0	****