Name: Minahil Mobin

Roll No: 21L-XXXX.

Section: BDS-XXX

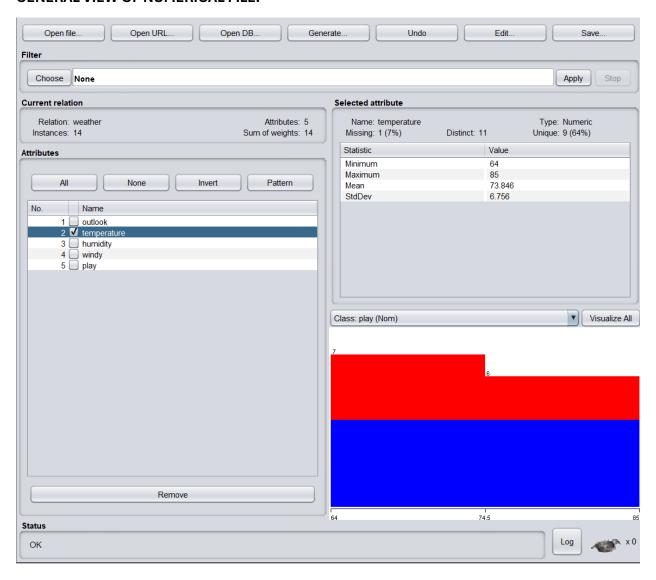
Subject: Data Mining Lab

LAB#01:

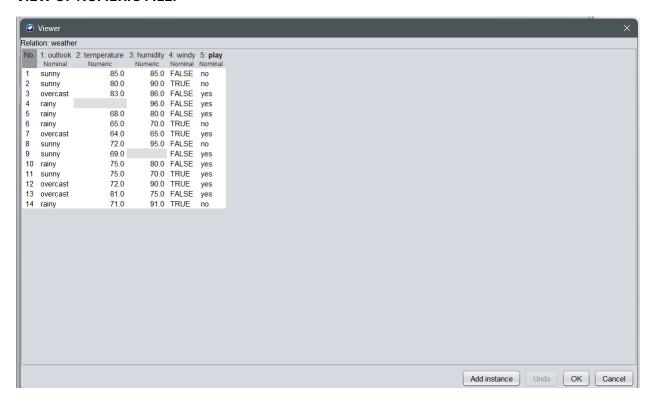
VIEW OF NOMINAL FILE:

O	Viewer				
Relat	ion: weathe	r.symbolic			
No.	1: outlook Nominal	2: temperature Nominal	3: humidity Nominal	4: windy Nominal	5: play Nominal
1	sunny	hot	high	FALSE	no
2	sunny	hot	high	TRUE	no
3	overcast	hot	high	FALSE	yes
4	rainy	mild	high	FALSE	yes
5	rainy	cool	normal	FALSE	yes
6	rainy	cool	normal	TRUE	no
7	overcast	cool	normal	TRUE	yes
8	sunny	mild	high	FALSE	no
9	sunny	cool	normal	FALSE	yes
10	rainy	mild	normal	FALSE	yes
11	sunny	mild	normal	TRUE	yes
12	overcast	mild	high	TRUE	yes
13	overcast	hot	normal	FALSE	yes
14	rainy	mild	high	TRUE	no

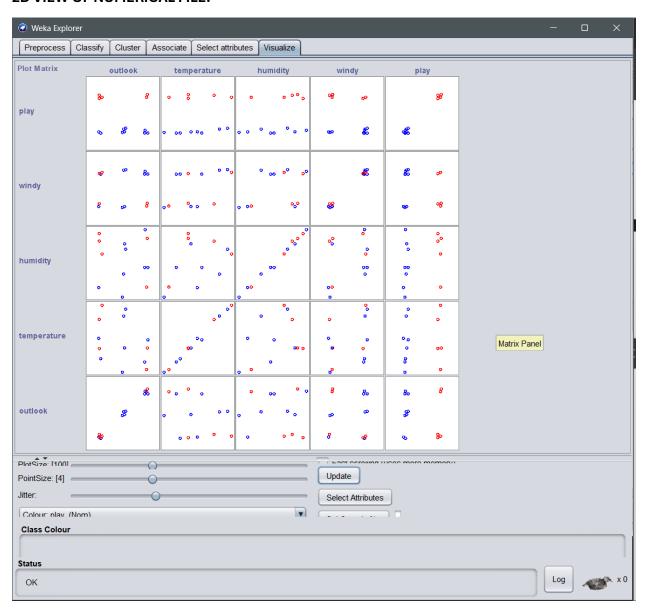
GENERAL VIEW OF NUMERICAL FILE:



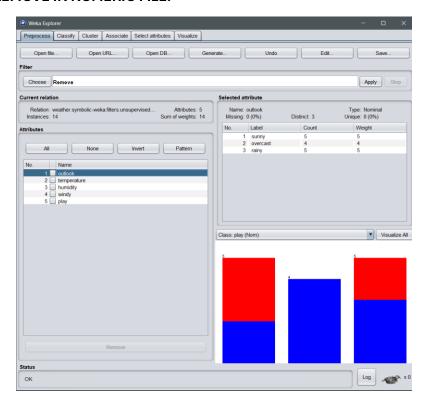
VIEW OF NUMERIC FILE:

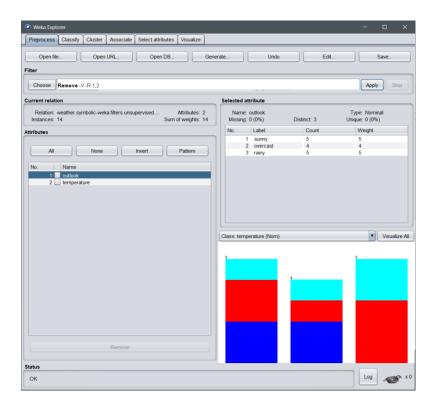


2D VIEW OF NUMERICAL FILE:

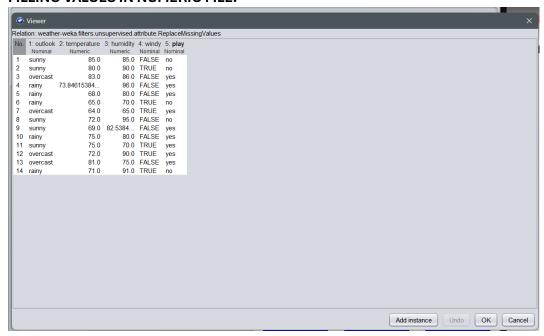


REMOVE IN NUMERIC FILE:

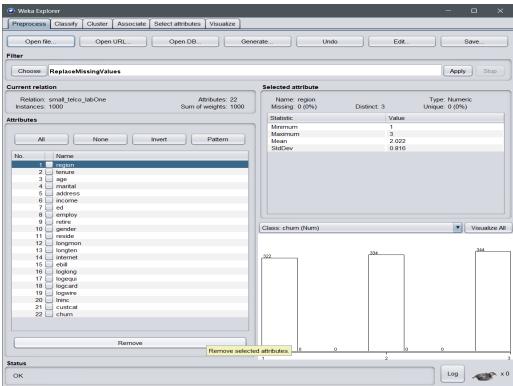




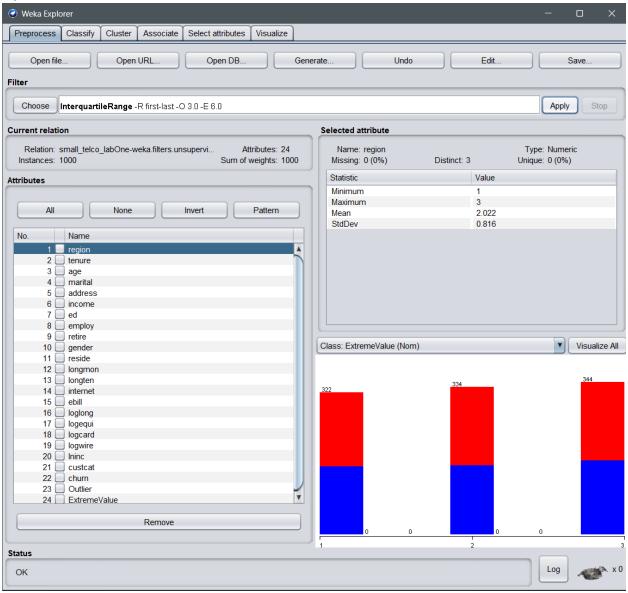
FILLING VALUES IN NUMERIC FILE:

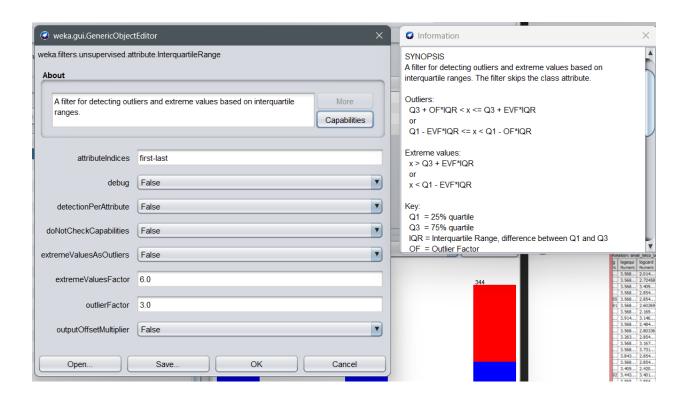


REPLACING MISSING VALUES IN CSV FILE:

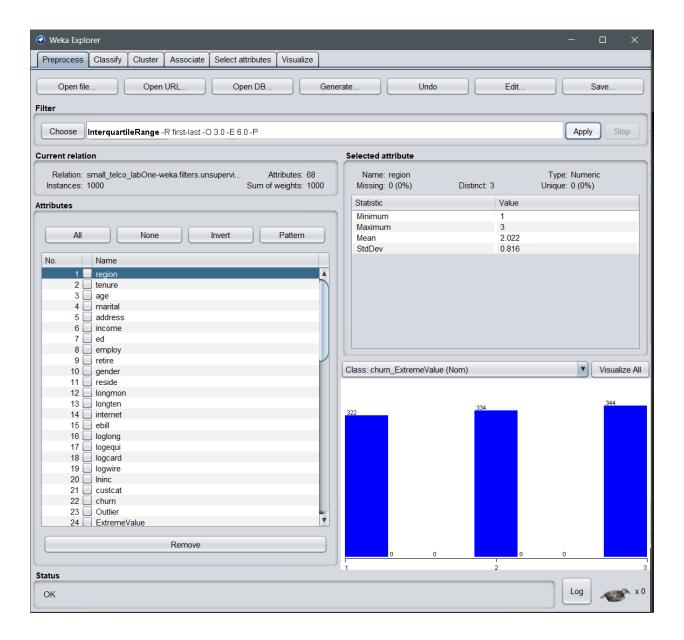


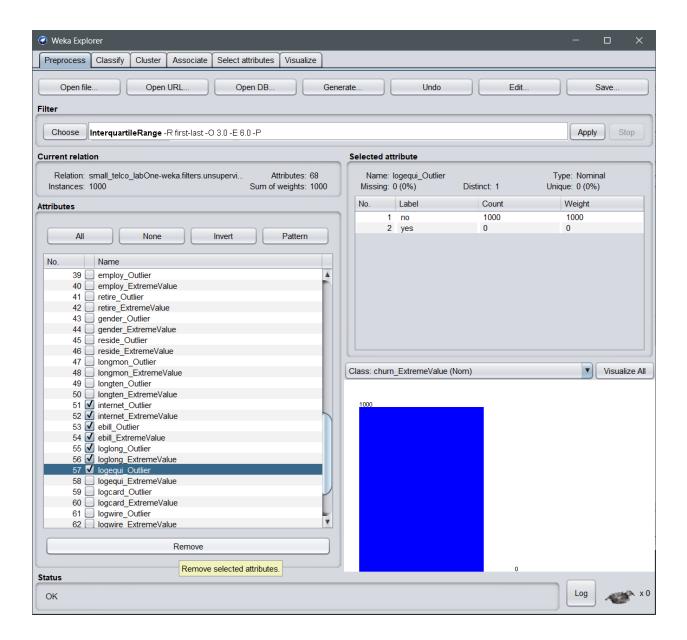
IQR ON CSV FILE:



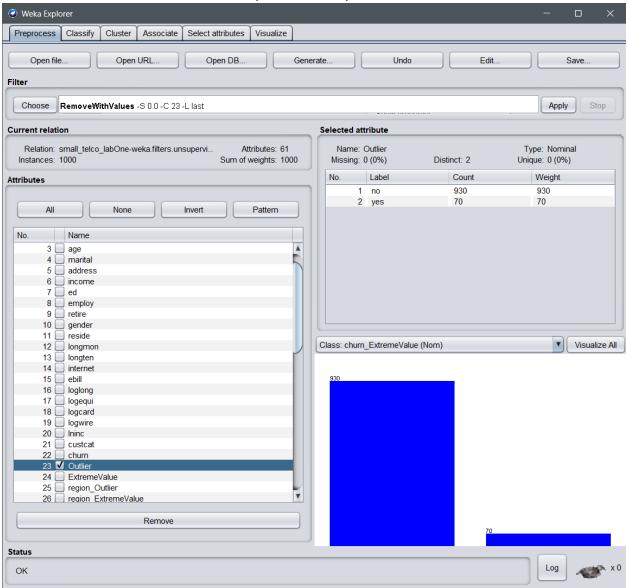


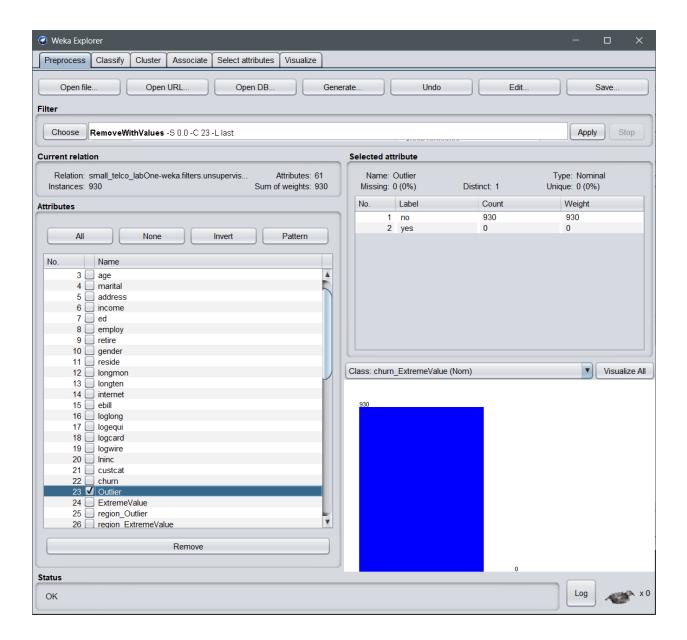
•		12: longmon				0 0									
imeric	Numeric	Numeric	Numeric	Numeric	Numeric	Numeric	Numeric	Numeric	Numeric	Numeric	Numeric	Numeric	Nominal		minal
0.0	2.0	3.7	37.45	0.0			3.568091			4.158	1.0	1.0		no	
0.0	6.0	4.4	42.0	0.0			3.568091			4.912	4.0	1.0	no	yes	
1.0	2.0	18.15	1300.6	0.0			3.568091			4.753	3.0	0.0	no	no	
1.0	1.0	9.45	288.8	0.0			3.568091			3.496	1.0	1.0	no	no	
0.0	4.0	6.3	157.05	0.0			3.568091	2.854208		3.401	3.0	0.0	no	no	
1.0	1.0	11.8	487.4	0.0			3.568091	2.602689		4.356	3.0	0.0	no	no	
1.0	5.0	10.9	504.5	1.0		2.388762			3.598296	2.944	2.0	1.0	no	no	
0.0	3.0	6.05	239.55	1.0			3.914021			4.330	4.0	0.0	no	yes	
0.0	5.0	9.75	449.05	0.0			3.568091			5.111	3.0	0.0	no	no	
0.0	3.0	24.15	1659.7	0.0			3.568091			4.276	2.0	0.0	no	no	
1.0	1.0	4.85	17.25	1.0			3.263849			4.828	1.0	1.0	no	yes	
1.0	1.0	7.1	47.45	0.0			3.568091			4.382	3.0	0.0	no	no	
1.0	3.0	8.55	308.7	0.0			3.568091			3.610	1.0	0.0	no	no	
1.0	3.0	15.6	825.35	1.0			3.843744			4.744	4.0	1.0	no	yes	
1.0	2.0	4.4	36.8	0.0			3.568091			3.218	1.0	0.0	no	no	
0.0	4.0	5.1	146.25	1.0			3.409496			4.317	2.0	0.0	no	yes	
0.0	1.0	16.15	946.9	0.0			3.443618			5.087	3.0	0.0	no	yes	
1.0	3.0	6.65	230.8	0.0			3.568091			3.891	3.0	0.0	no	no	
0.0	1.0	1.05	1.05	0.0			3.568091			2.995	1.0	0.0	no	no	
0.0	4.0	6.7	140.95	1.0	1.0		3.873282			4.343	4.0	1.0	no	yes	
1.0	1.0	3.75	25.65	1.0	0.0	1.321755	3.520460	2.854208	2.928523	2.772	2.0	1.0	no	yes	
0.0	2.0	20.7	1391.05	0.0	0.0	3.0301337	3.568091	3.091042	3.598296	4.787	1.0	0.0	no	no	
1.0	2.0	5.3	253.35	1.0	1.0	1.667706	3.903990	3.286534	3.939638	4.615	4.0	0.0	no	yes	
0.0	3.0	15.05	810.45	0.0	0.0	2.711377	3.568091	3.305053	3.598296	4.204	1.0	0.0	no	no	
0.0	5.0	12.5	153.75	0.0	0.0	2.525728	3.568091	2.890371	3.598296	3.583	3.0	0.0	no	no	
1.0	3.0	2.2	2.2	0.0	0.0	0.788457	3.568091	3.701301	3.598296	3.496	3.0	0.0	no	no	
1.0	1.0	8.25	399.15	1.0	1.0	2.1102132	3.608211	3.332204	3.621670	3.610	4.0	0.0	no	yes	
0.0	4.0	9.1	234.95	0.0	0.0	2.208274	3.568091	2.854208	3.598296	3.433	3.0	0.0	no	no	
10	3.0	20	25.25	0.0		1.06/1710	3 569001	2 824208	3 200308	3 833	1.0	0.0	no	no	





REMOVING WITH VALUES IN CSV FILE (Before & After):





NORMALIZATION ON NUMERIC FILE:

