21L-6205
Syed Sheraz Hussain
Lab-03

Nominal data:

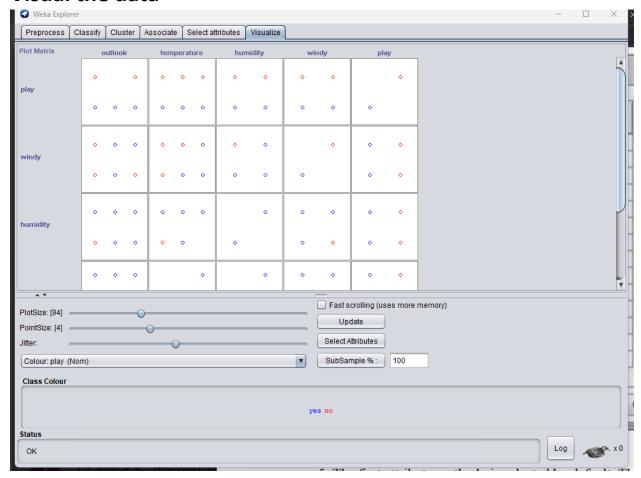
Load the data and click on edit



Relation: weather.symbolic

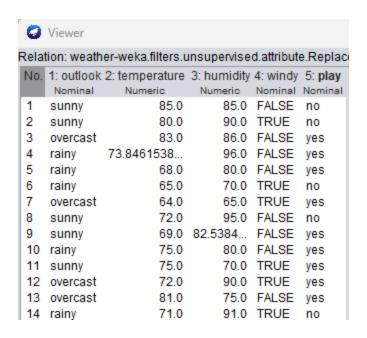
No.	1: outlook	2: temperature	3: humidity	4: windy	5: play
	Nominal	Nominal	Nominal	Nominal	Nominal
1	sunny	hot	high	FALSE	no
2	sunny	hot	high	TRUE	no
3	overcast	hot	high	FALSE	yes
4	rainy	mild	high	FALSE	yes
5	rainy	cool	normal	FALSE	yes
6	rainy	cool	normal	TRUE	no
7	overcast	cool	normal	TRUE	yes
8	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

Visual the data

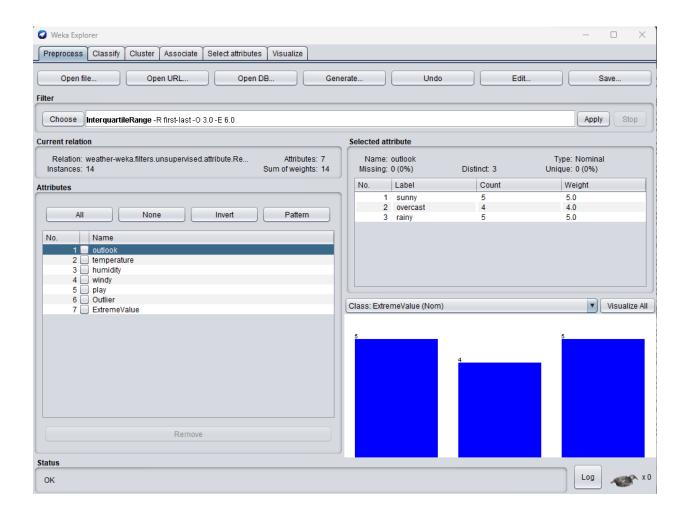


Numerical Data:

Replace the missing values by apply the filter

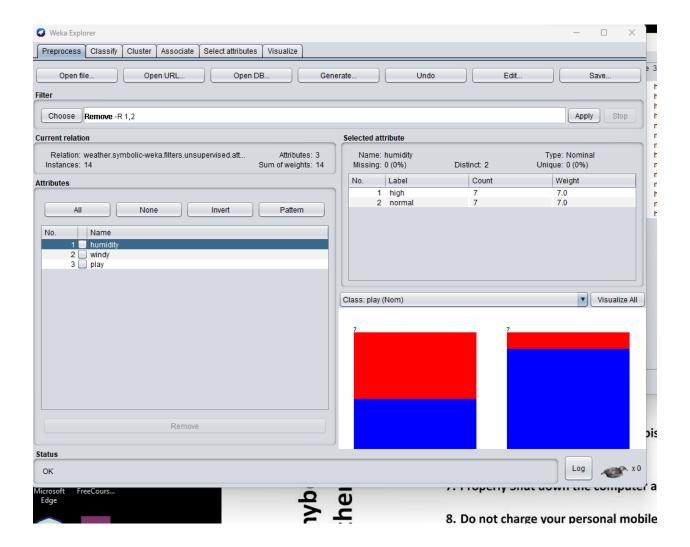


Apply the inter quartile range



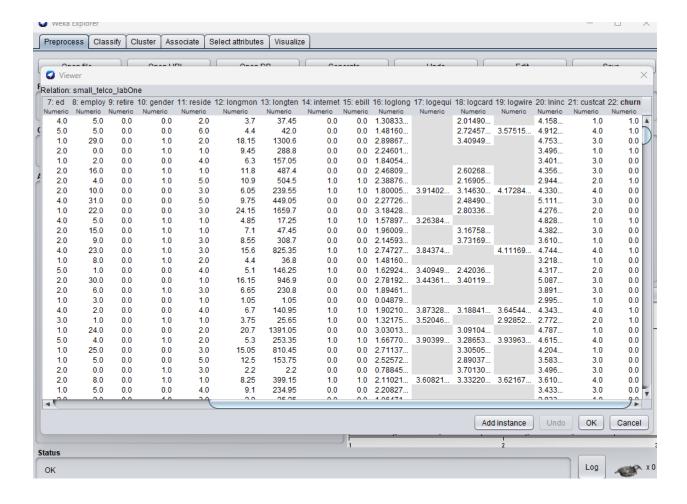
Remove the attribute:

Remove the 2 attibute by apply the filter

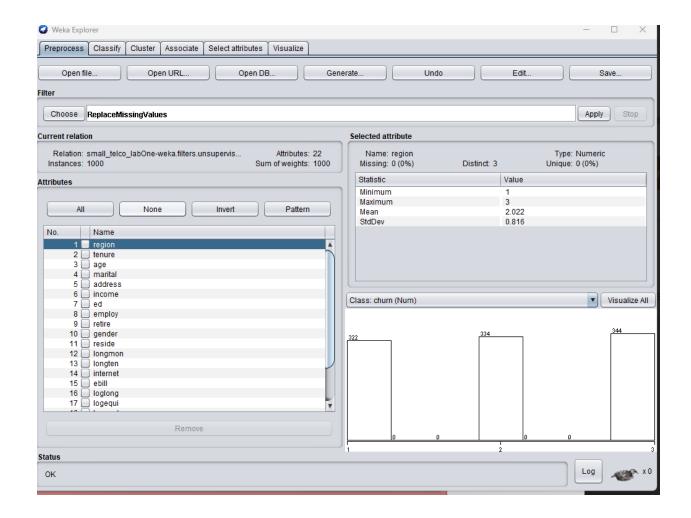


Csv:

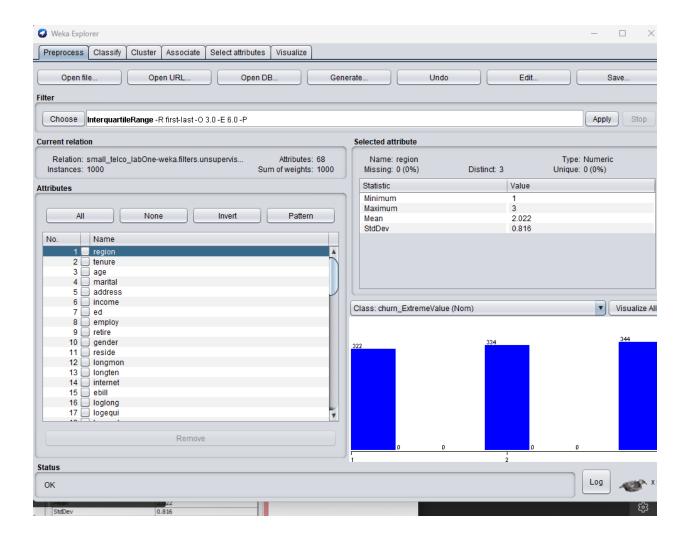
Load the csv file data and click on the edit option the data is as follows:



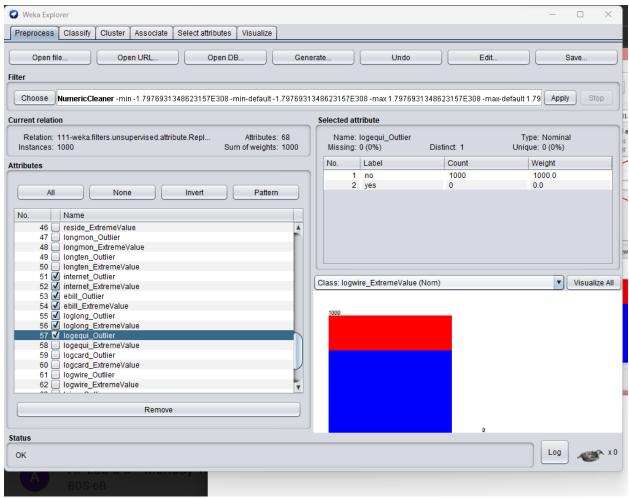
Replace the missing values by apply the filter:



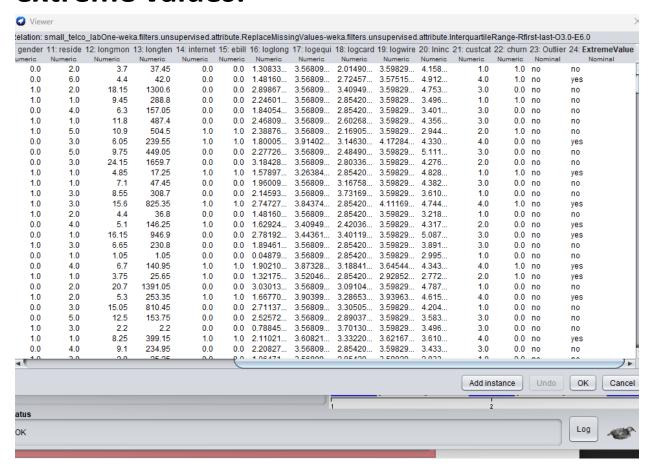
Apply the inter quartile range: by the filter



Select the attribute by apply inter-quartile range: by deteion true



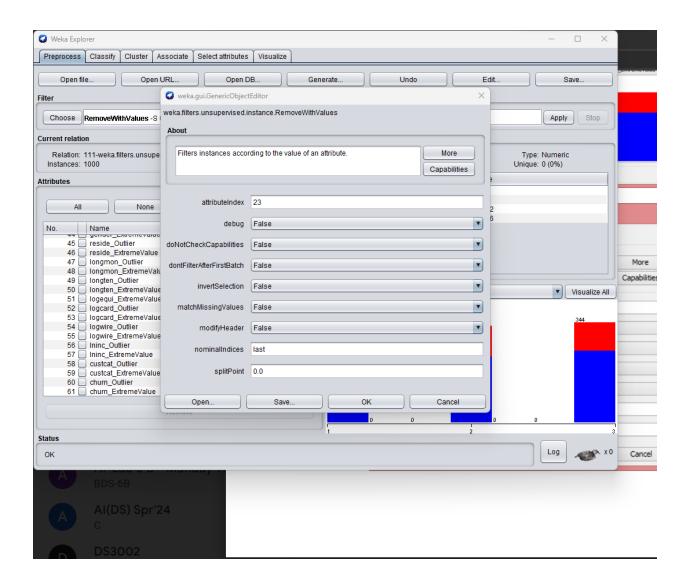
And the data is as by edit option: given extreme values:

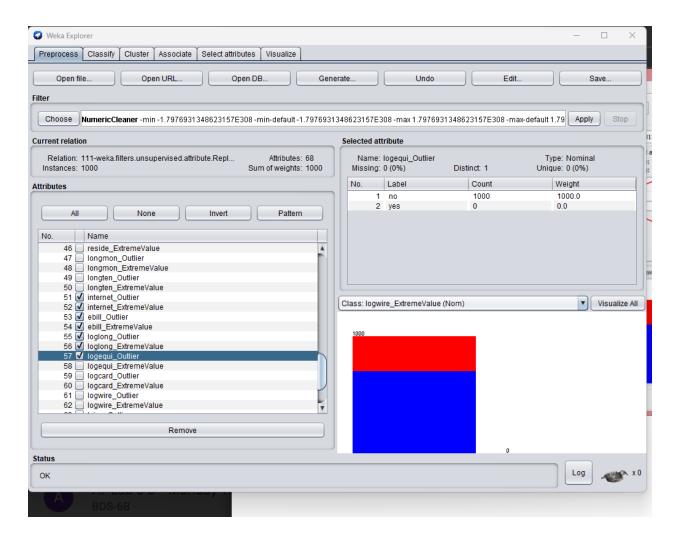


And remove the values by just click remove button below:

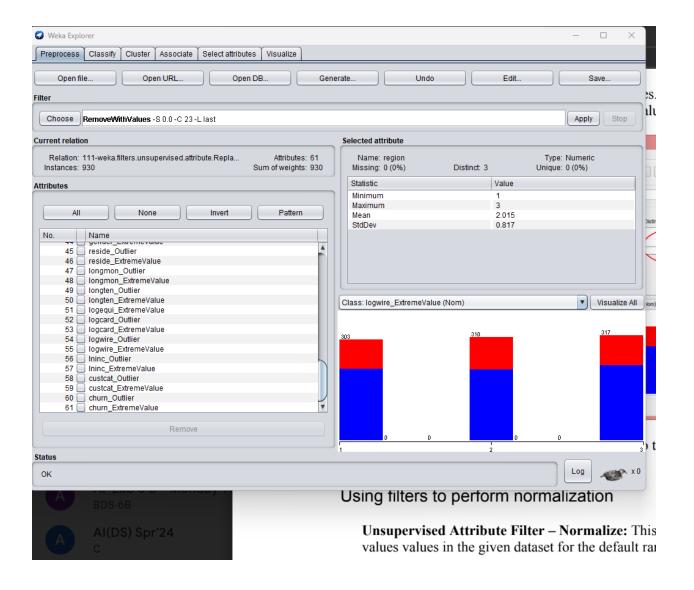
And apply numeric cleaner:

Apply the numeric cleaner and attribute remove with 23 and last instances:



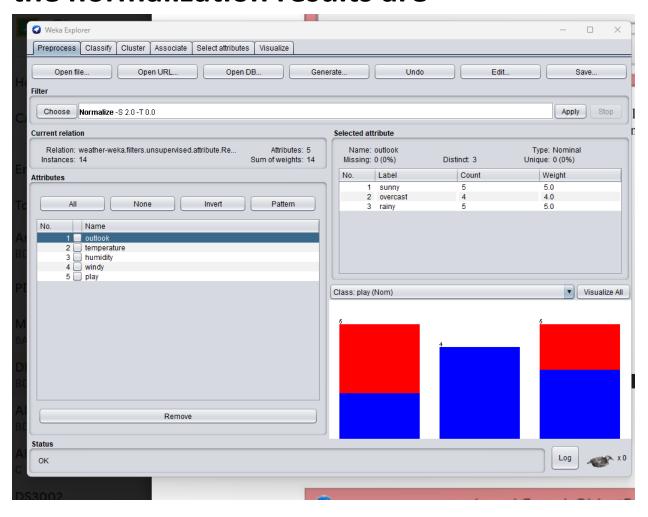


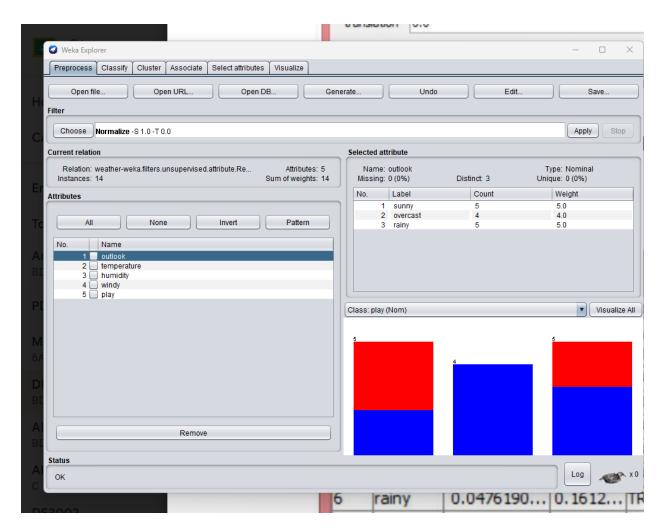
The attribute is remove



Numerical Data Normalization:

Normalize with range (0,1),(-1,1),(2,0) And the normalization results are





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