CSA1668-DATA WAREHOUSING AND DATA MINING FOR PATTERN ANALYSIS

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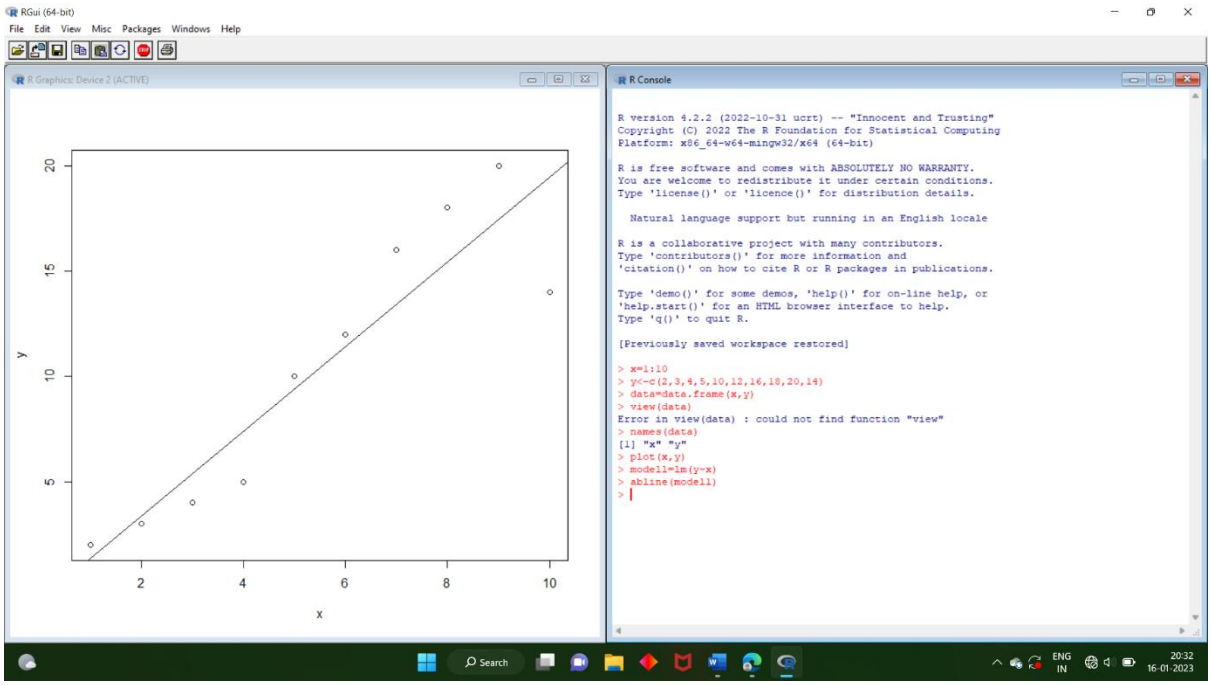
REG.NO:192110487

ETL AND OLAP OPERATION USING KNIME DATA ANALYTICS PLATFORM.

PREDICTION ANALYSIS USING LINEAR REGRESSION THROUGH R TOOL.

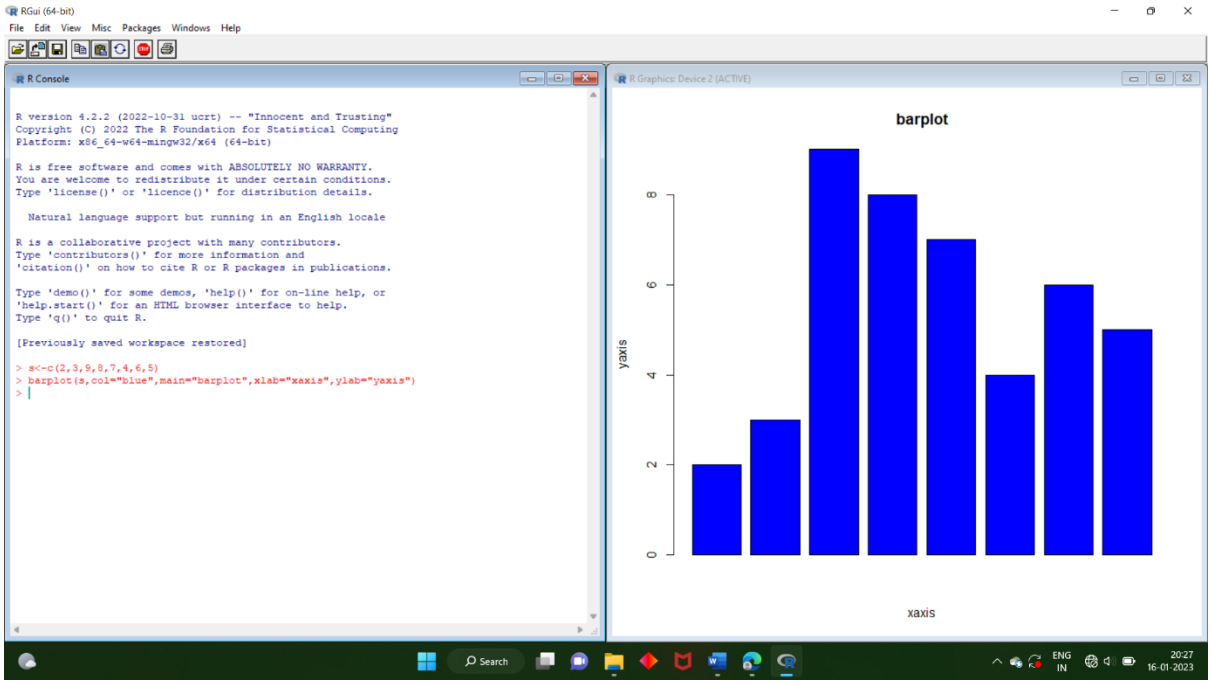
Output:



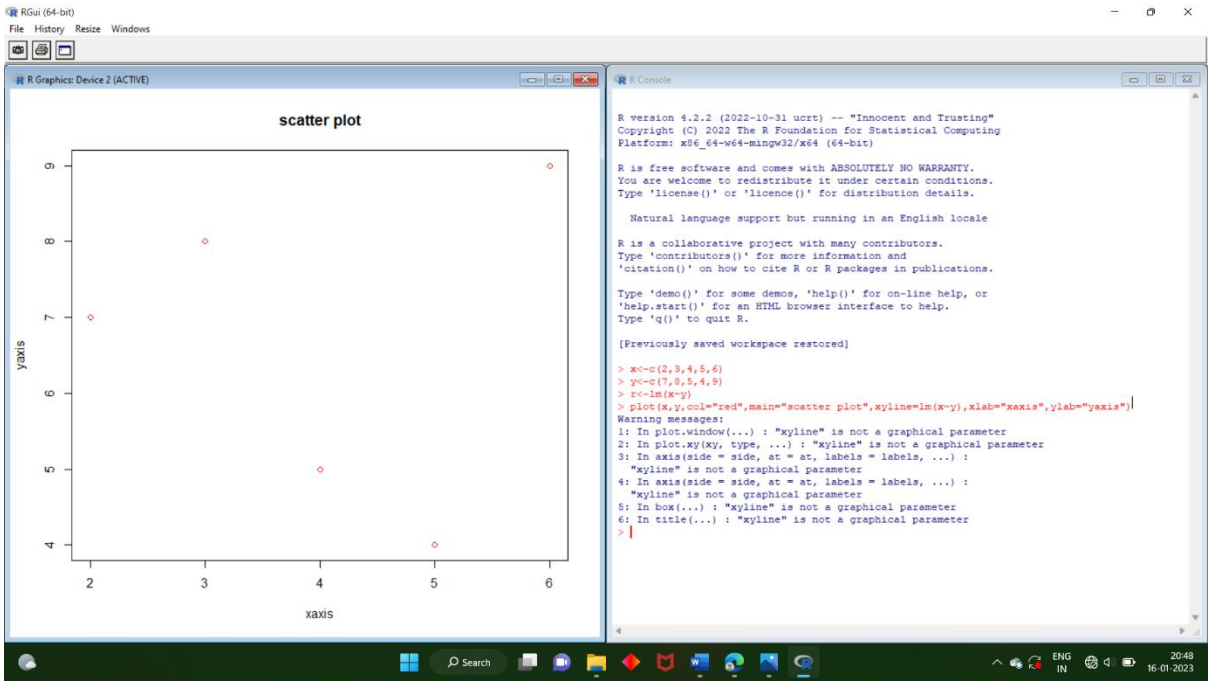
PLOTTING GRAPHS USING R TOOL

Output:

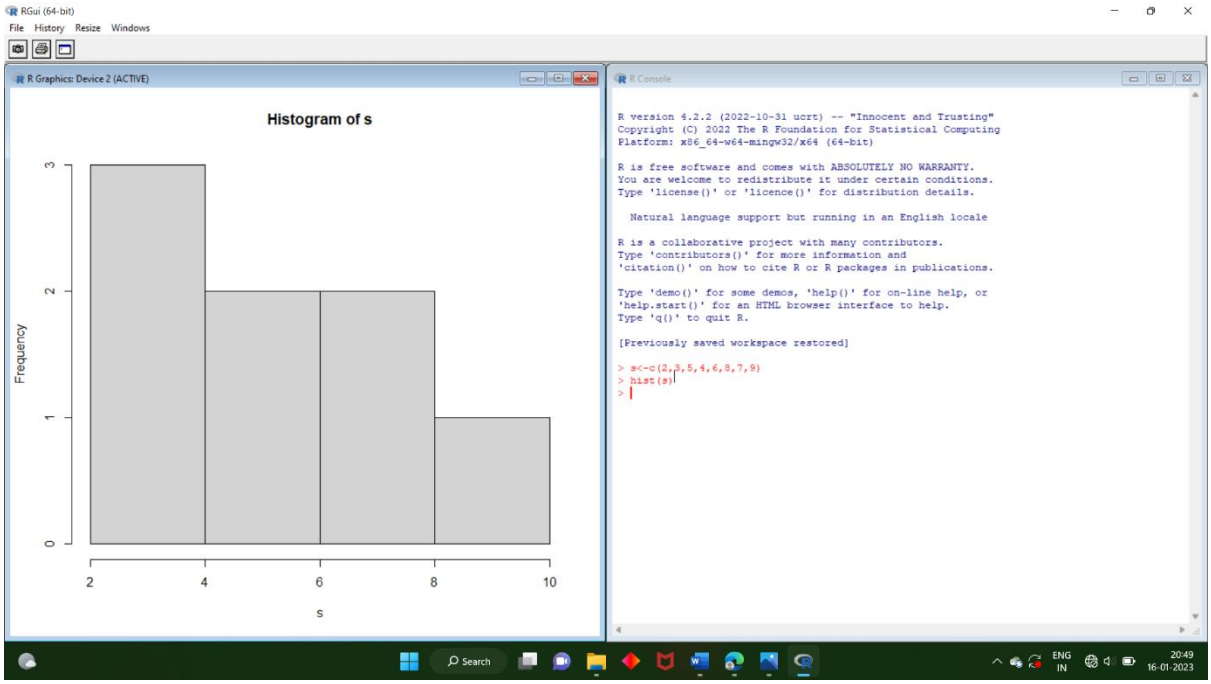
Barplot:



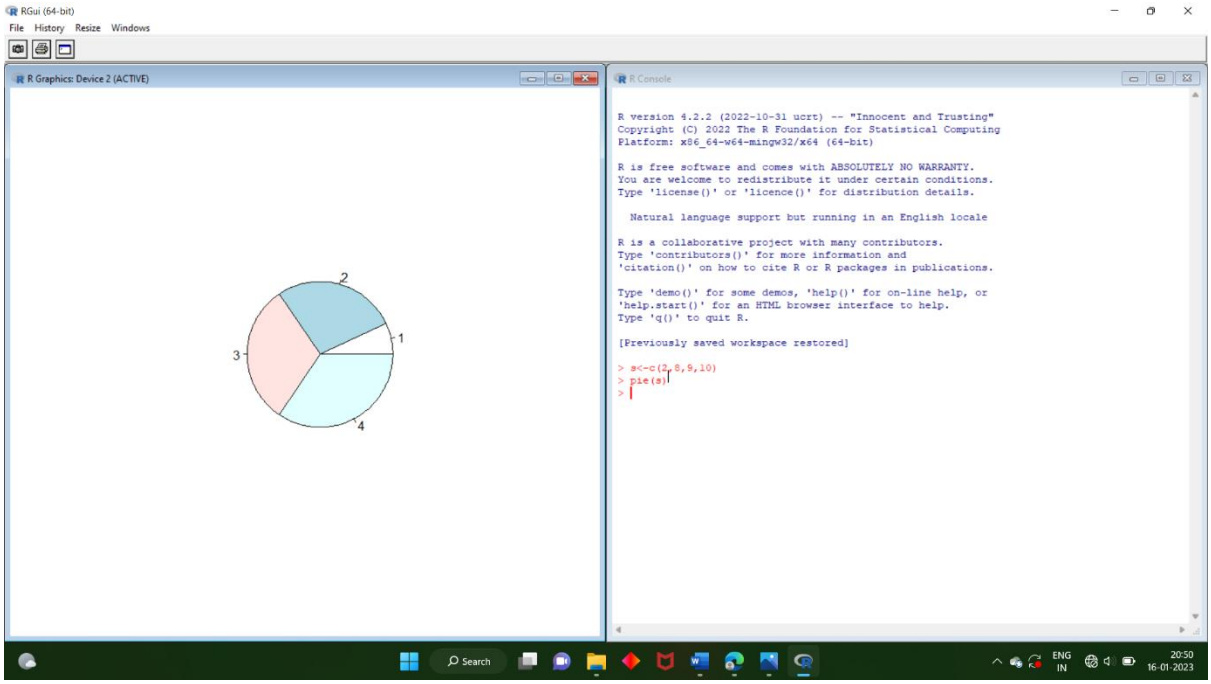
Scatterplot:



Histogram:



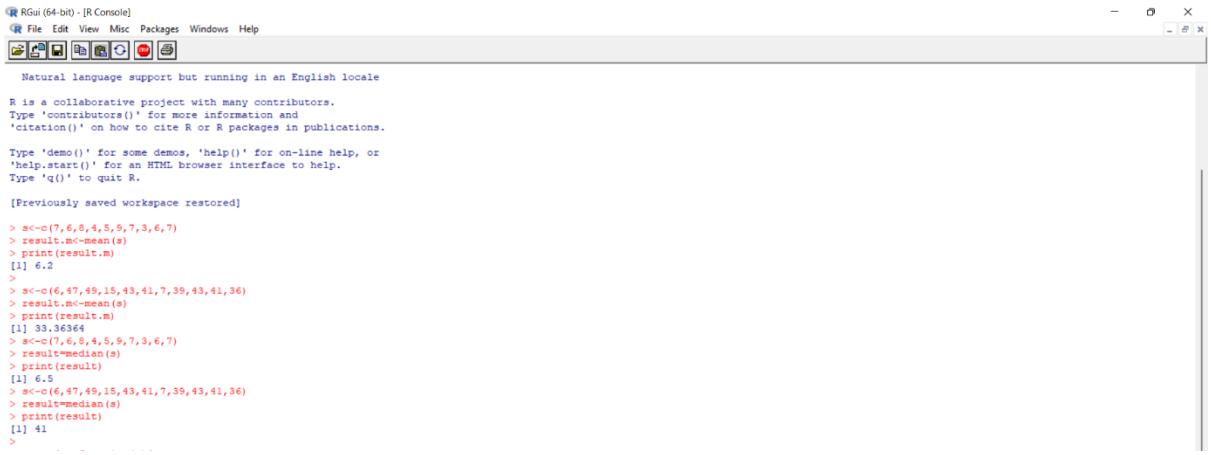
Piechart:



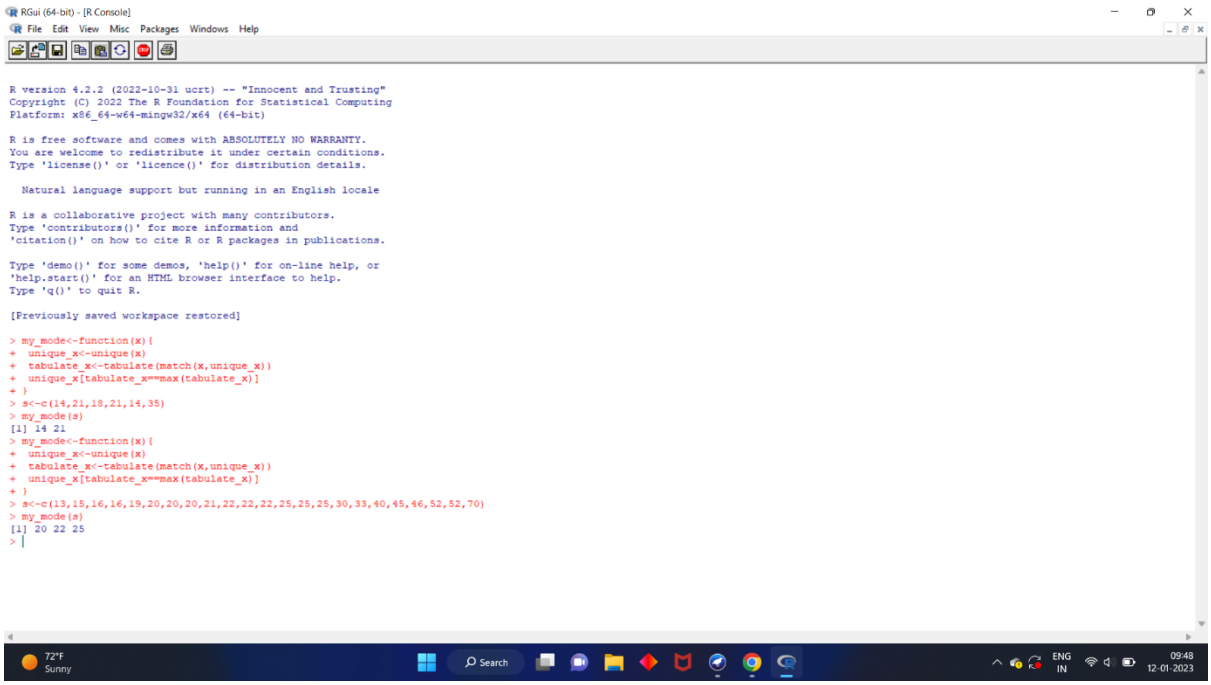
CENTRAL TENDENCY AND DATA DISPERSION MEASURES USING R-TOOL.

Output:

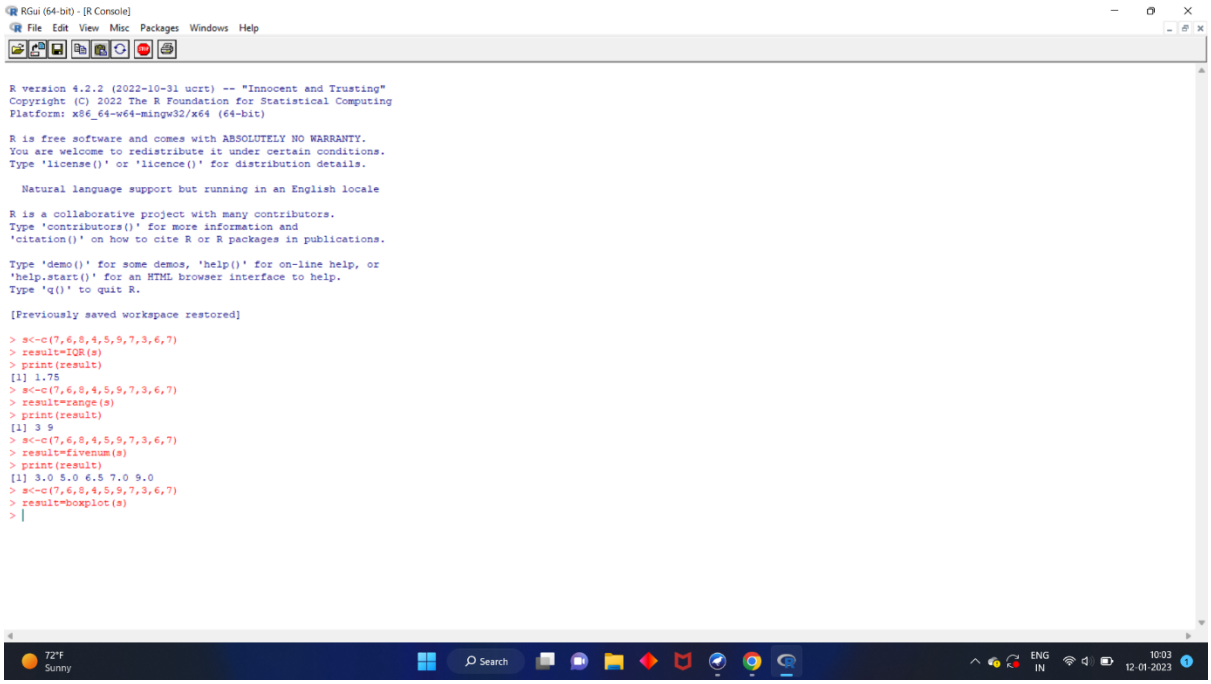
Mean and Median :

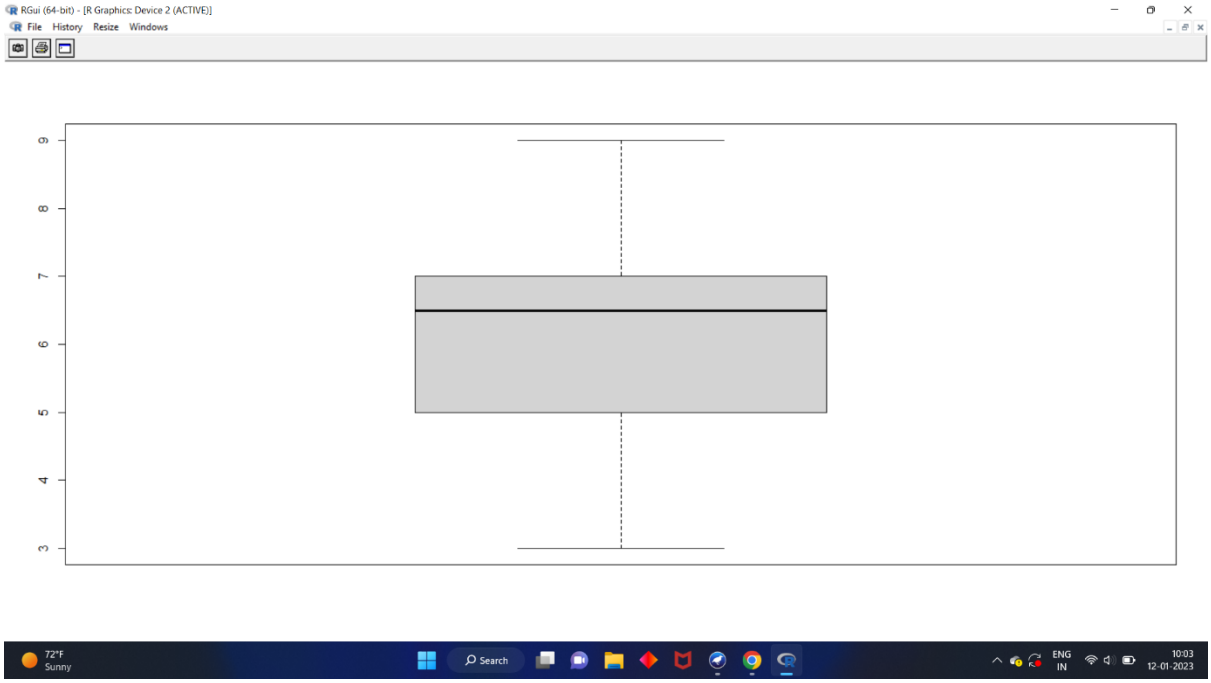


Mode:

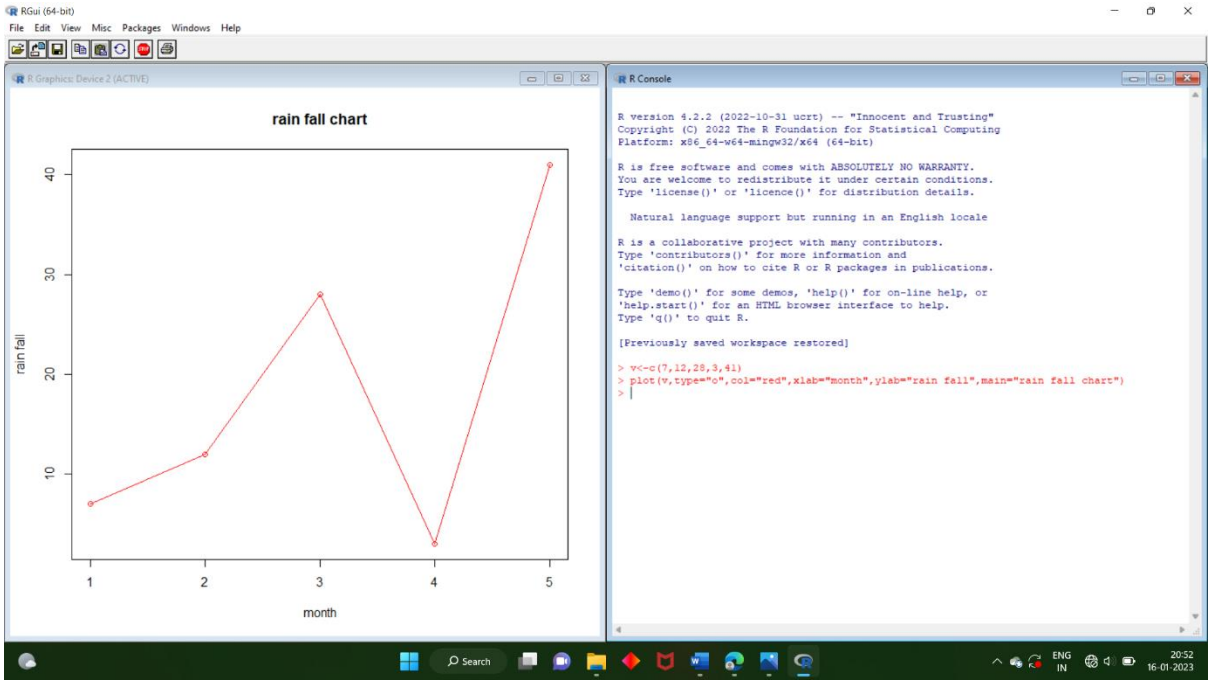


IQR,Range,Fivenumber summary,Boxplot :

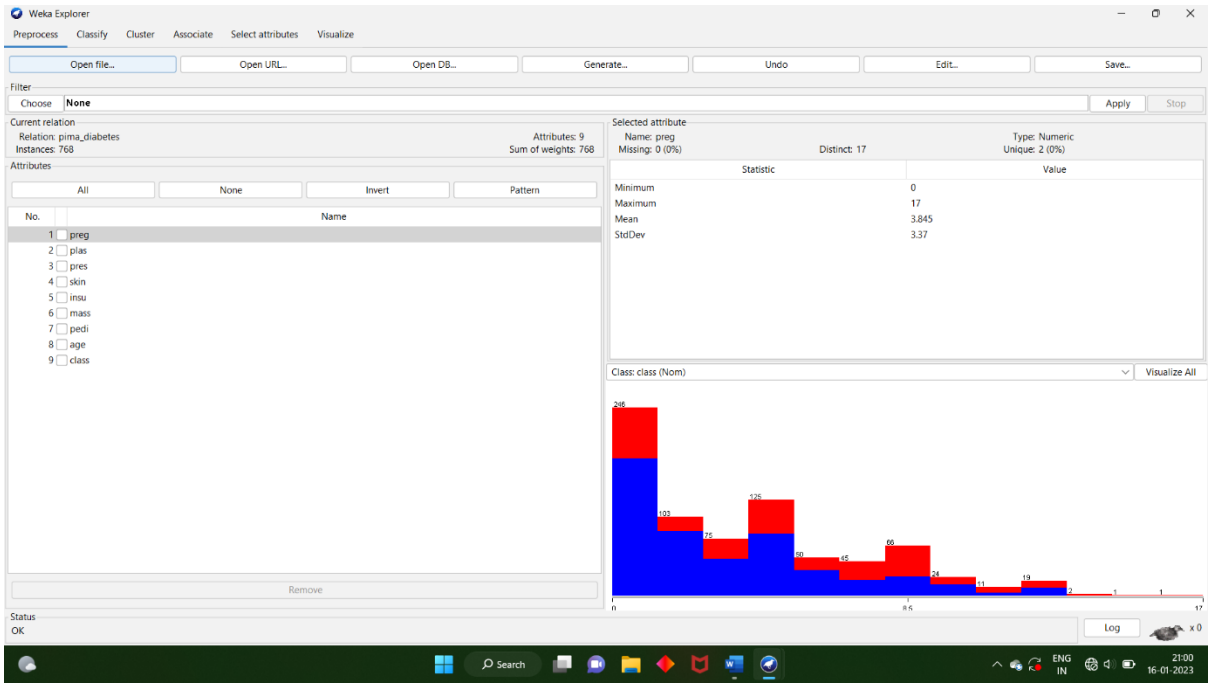


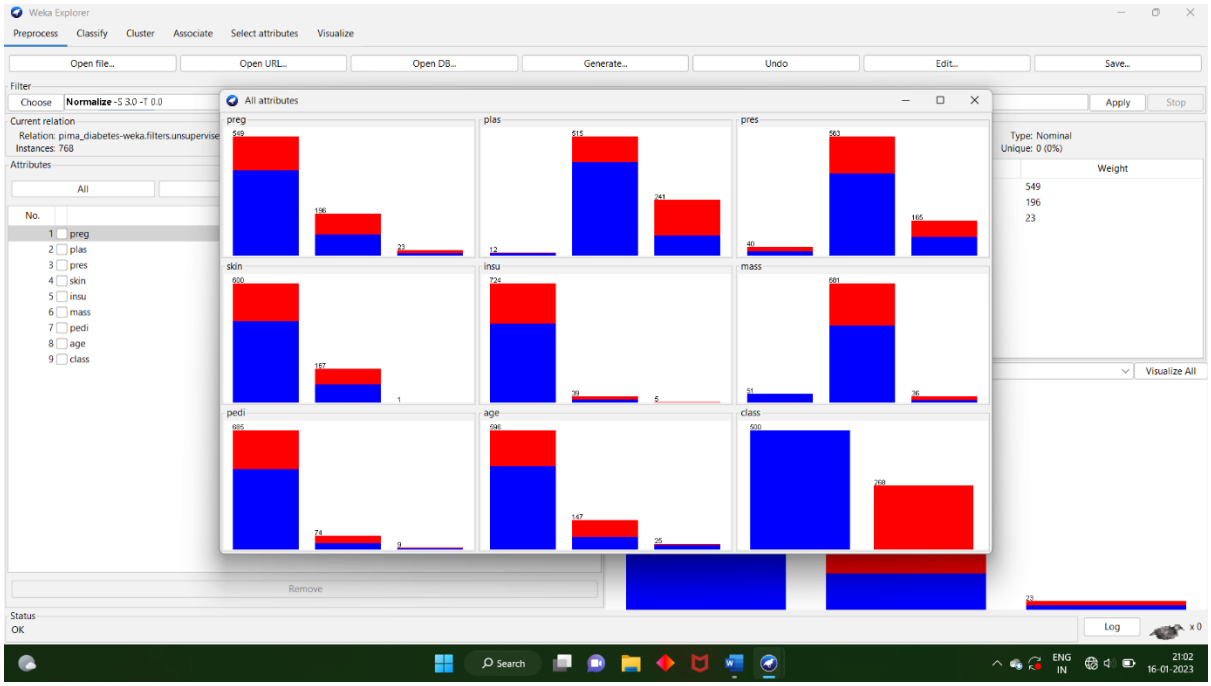


REGRESSION ANALYSIS USING R TOOL.

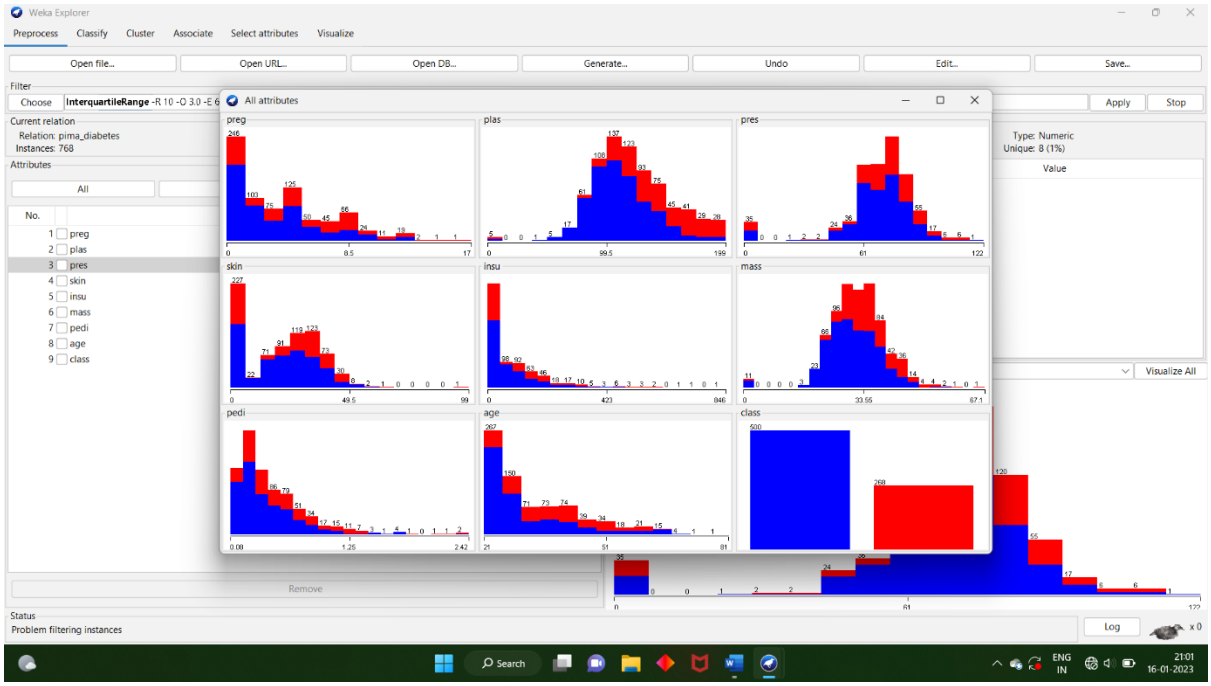


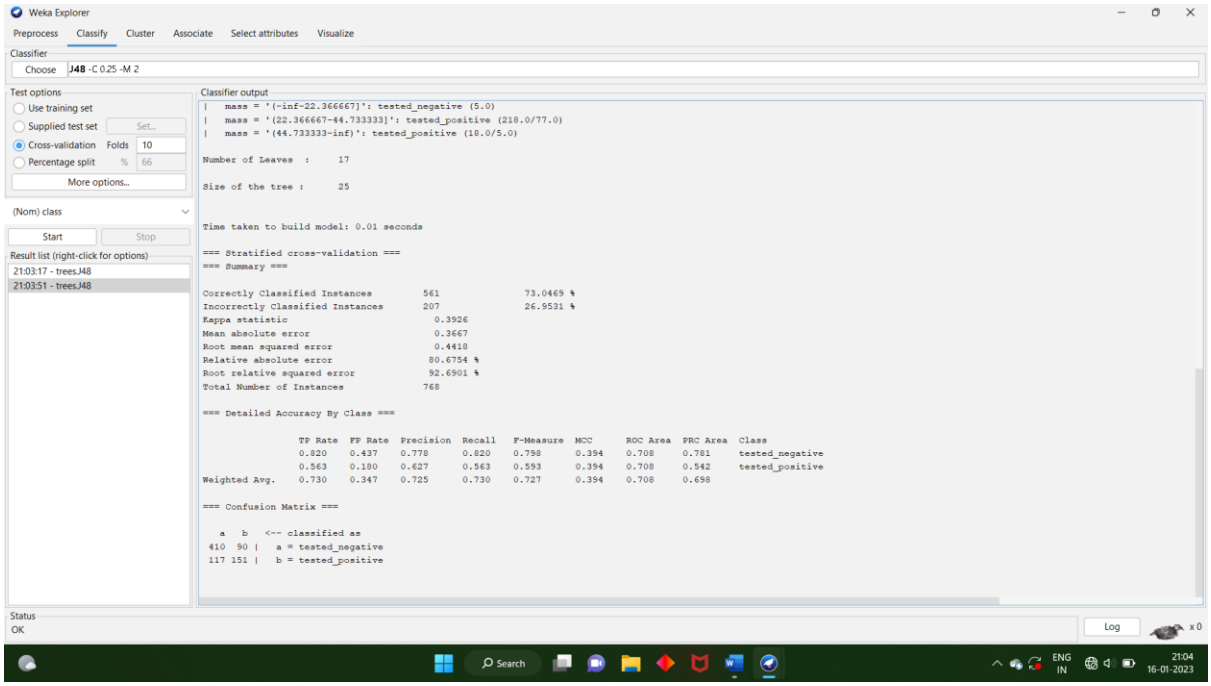
PERFORM CORRECTION ANALYSIS AND NORMALIZATION.



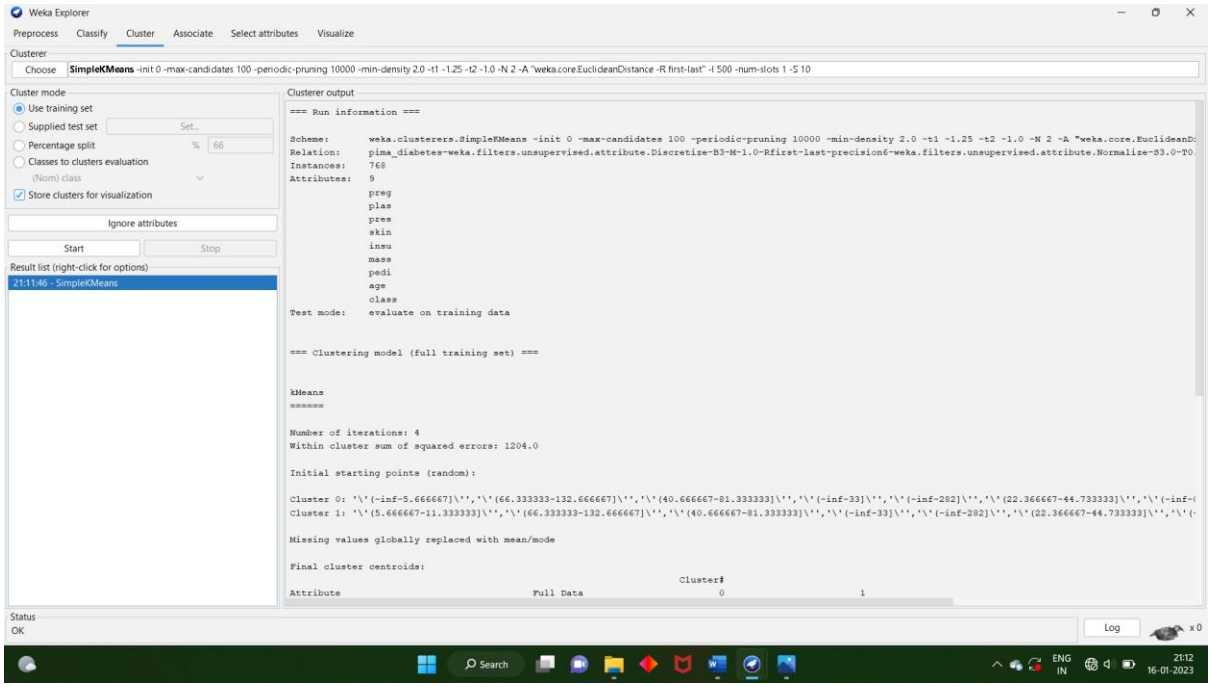


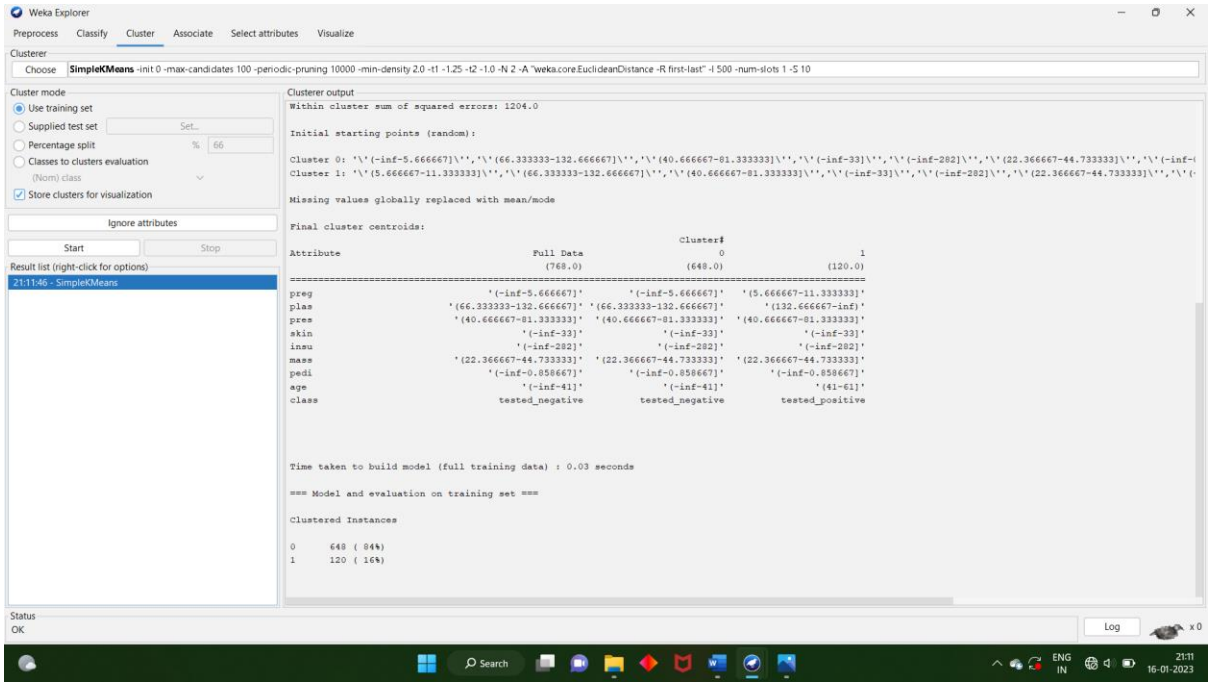
DATA PREPROCESSING AND PREPARATION FOR KNOWLEDGE ANALYSIS USING WEKA.



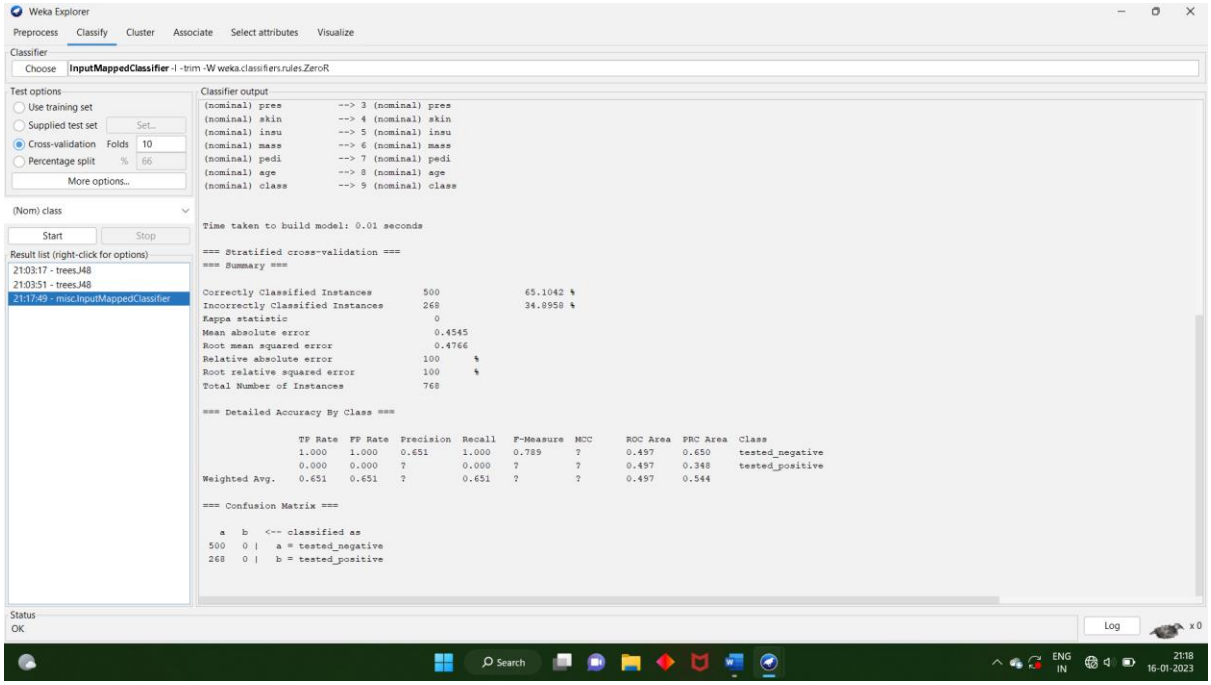


K-MEANS CLUSTER ANALYSIS USING WEKA.

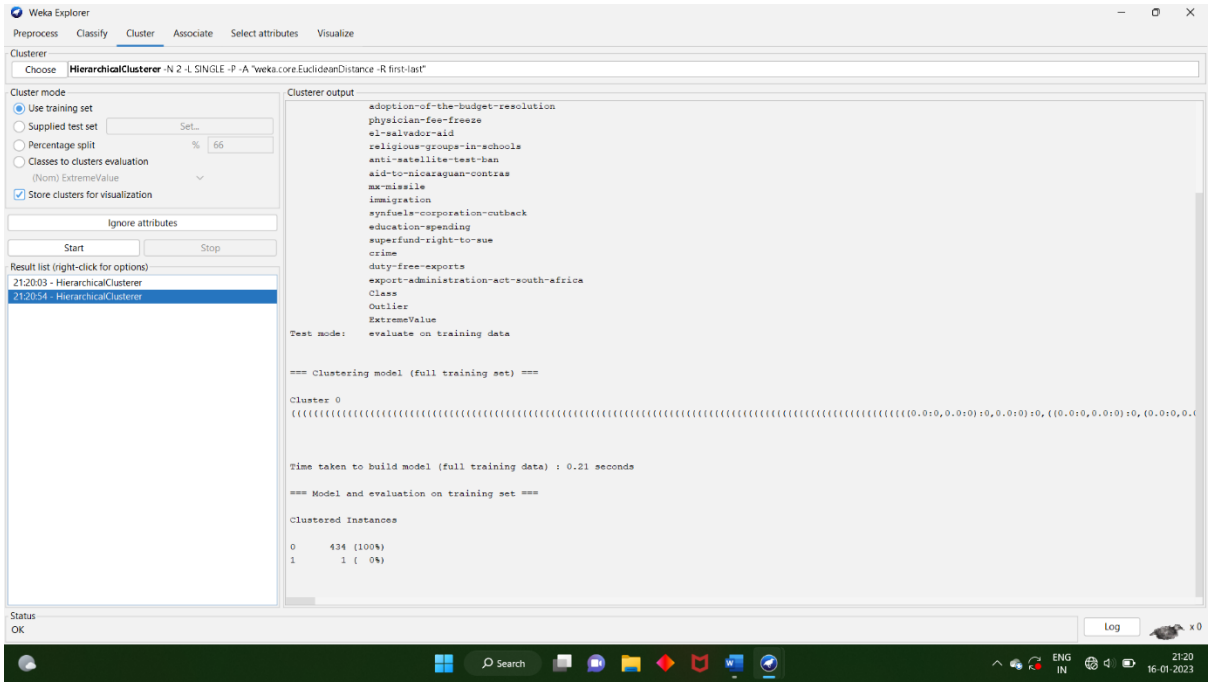




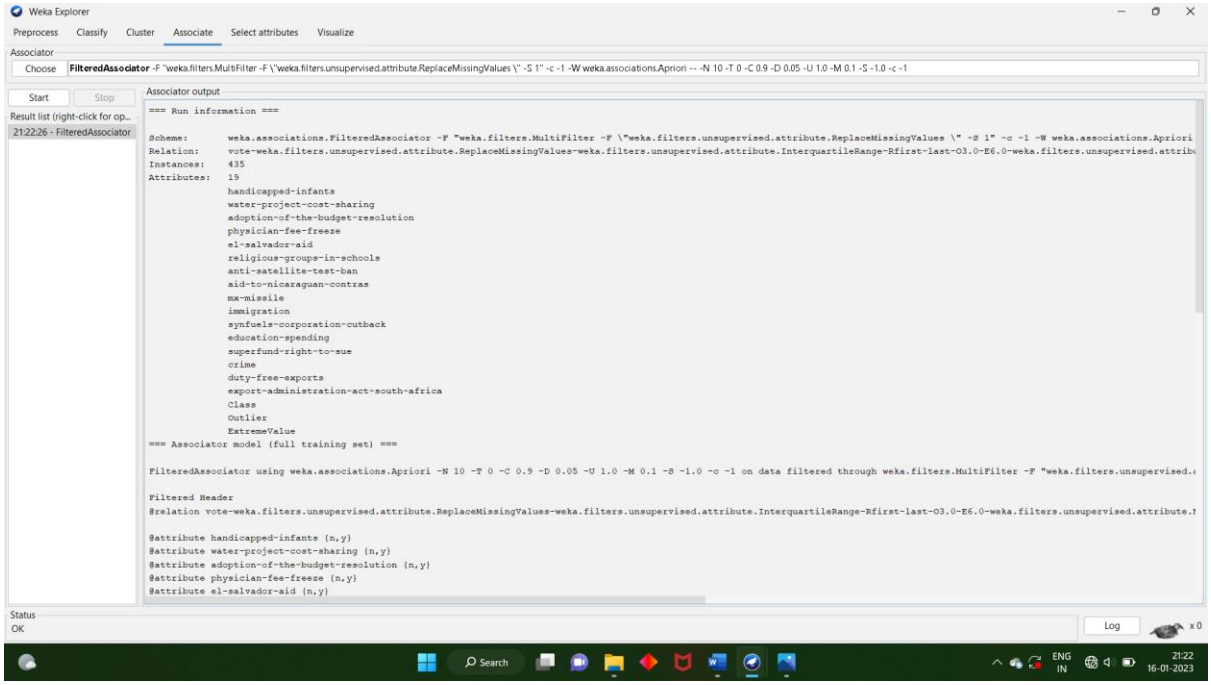
DATA ANALYSIS BY EXPECTATION MAXIMISATION ALGORITHM USING WEKA.



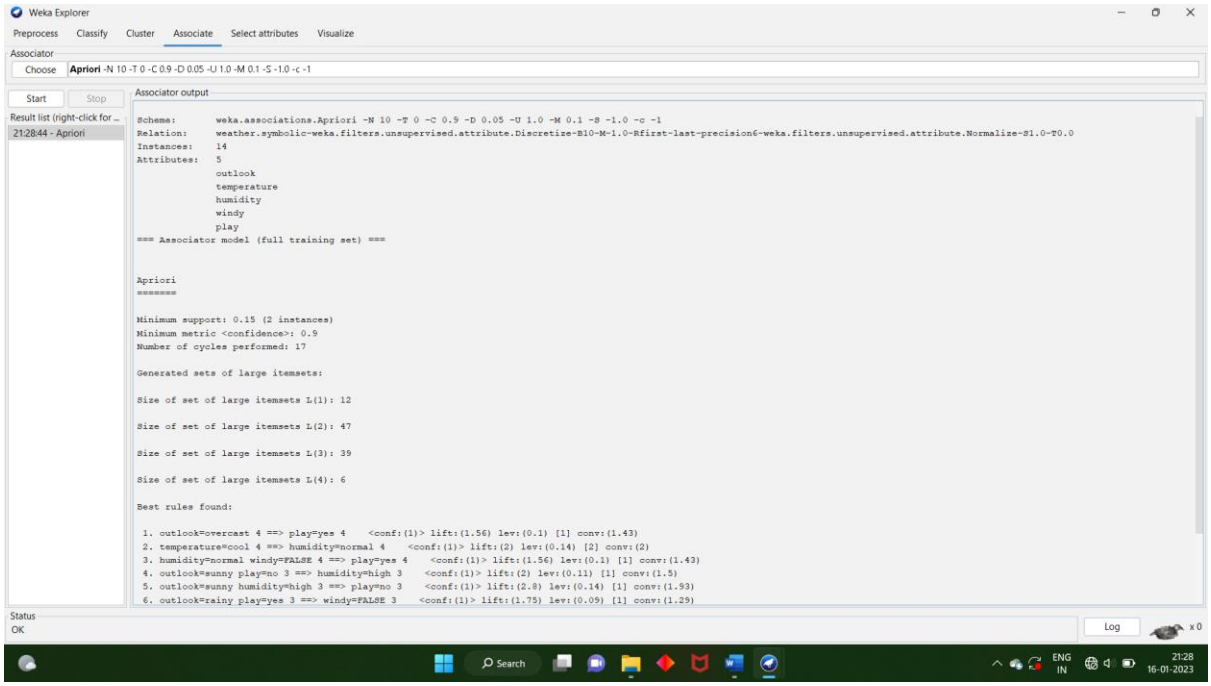
DATA ANALYSIS BY COBWEB-HIERARCHAL CLUSTERING ALGORITHM USING WEKA.



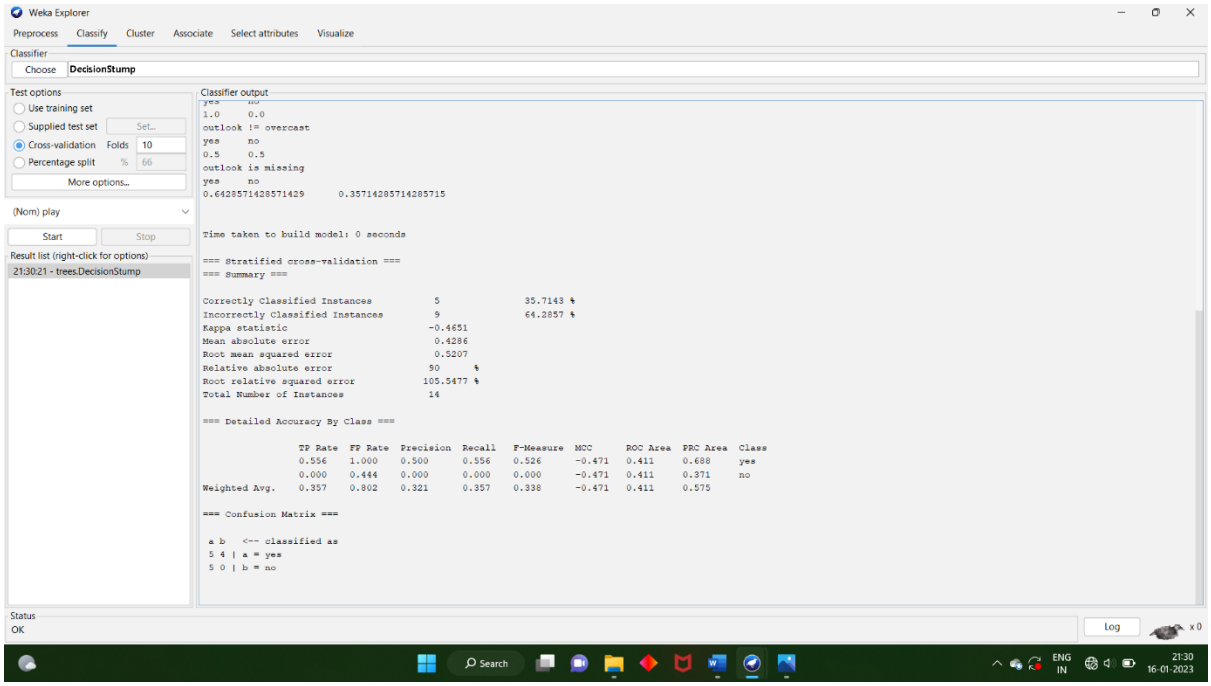
KNOWLEDGE MINING USING ASSOCIATION RULE USING WEKA.



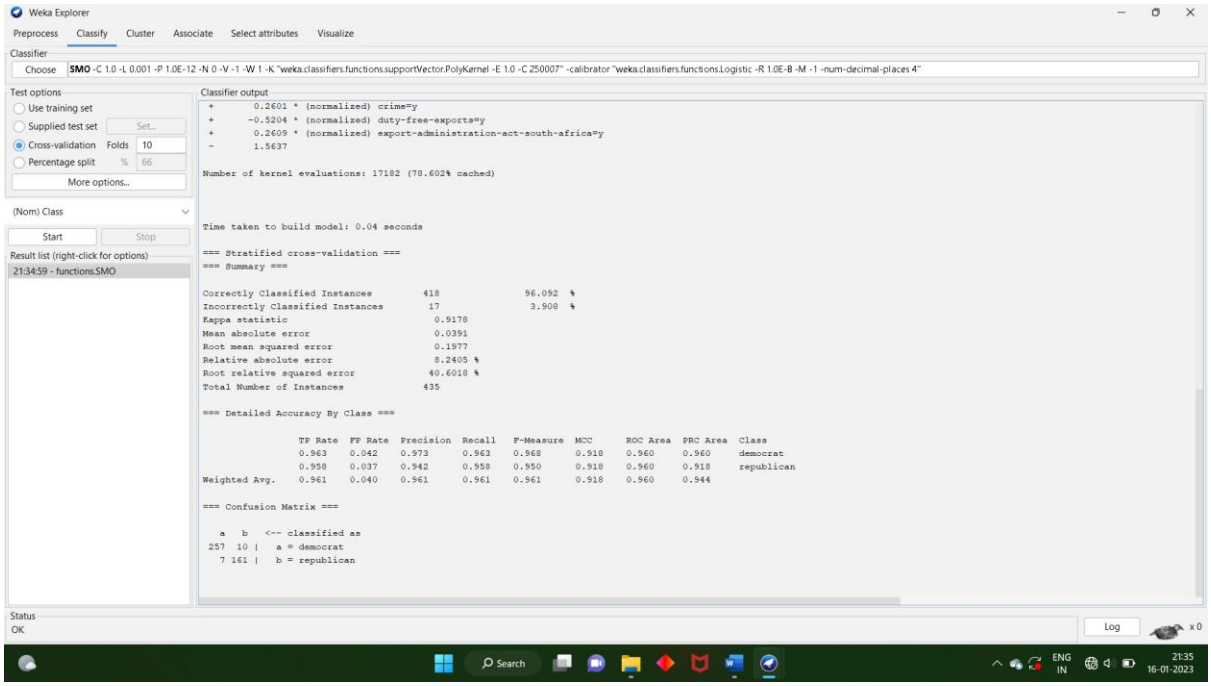
FP GROWTH ALGORITHM USING WEKA.



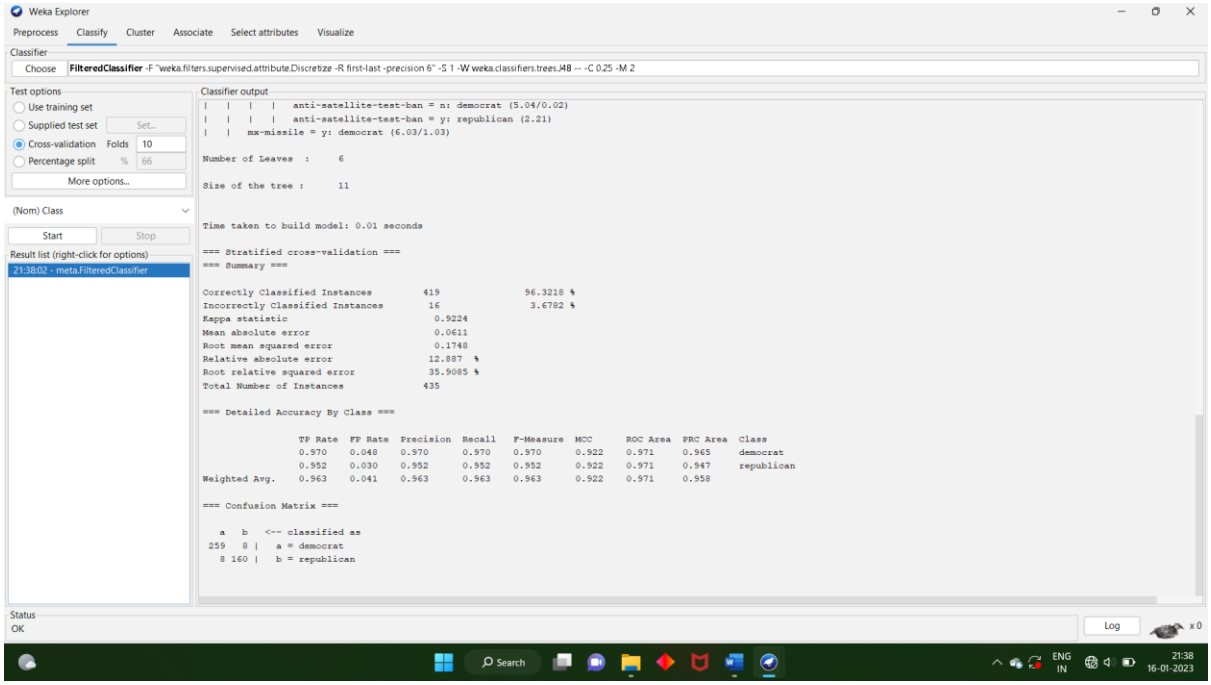
PREDICTION OF CATEGORICAL DATA USING DECISION TREE ALGORITHM USING WEKA.



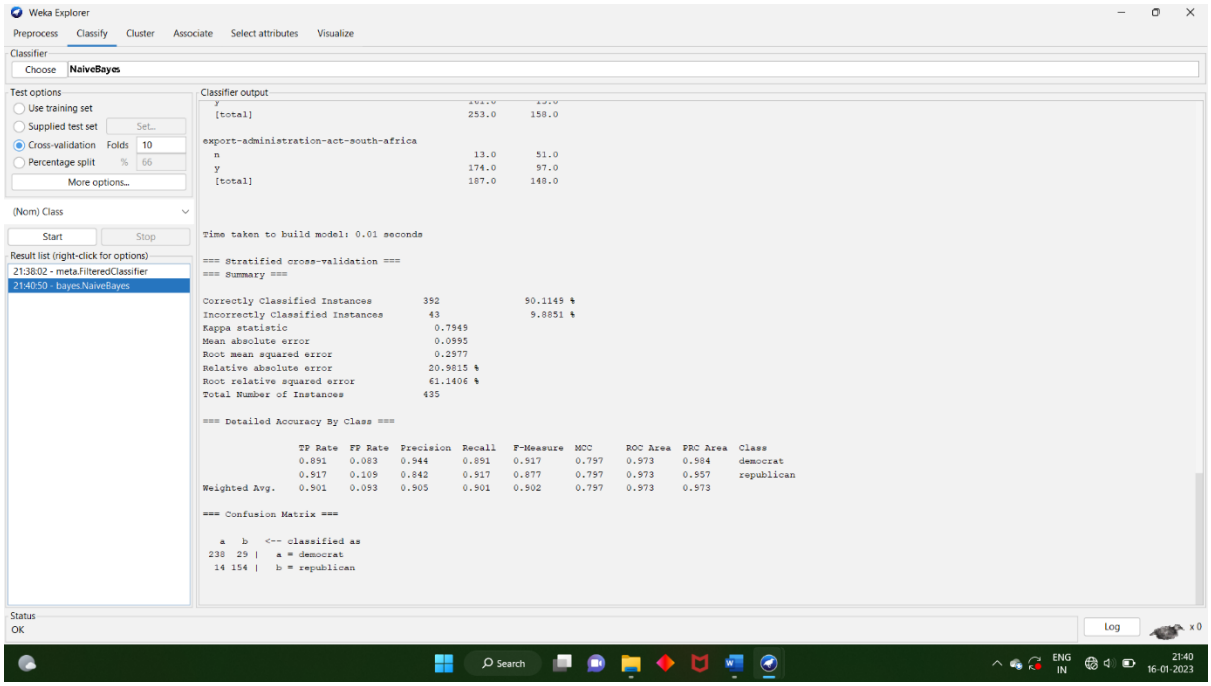
PREDICTION OF CATEGORICAL DATA USING SMO ALGORITHM USING WEKA.



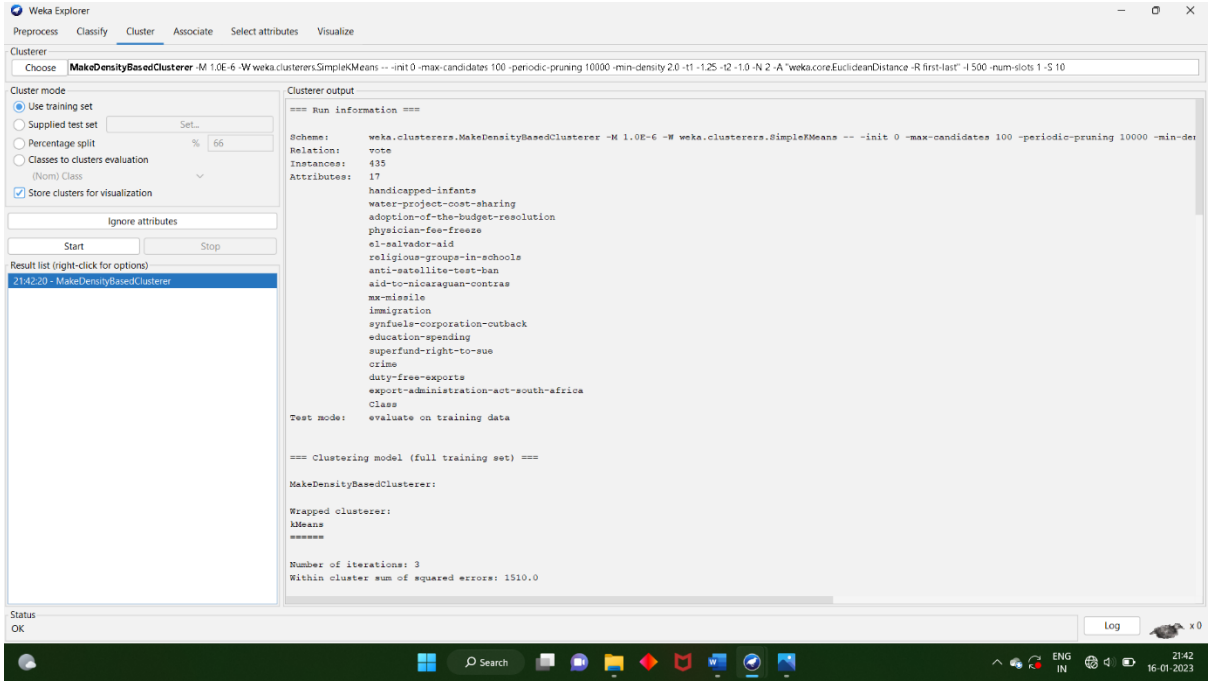
EVALUATING THE ACCURACY OF THE CLASSIFIERS USING WEKA

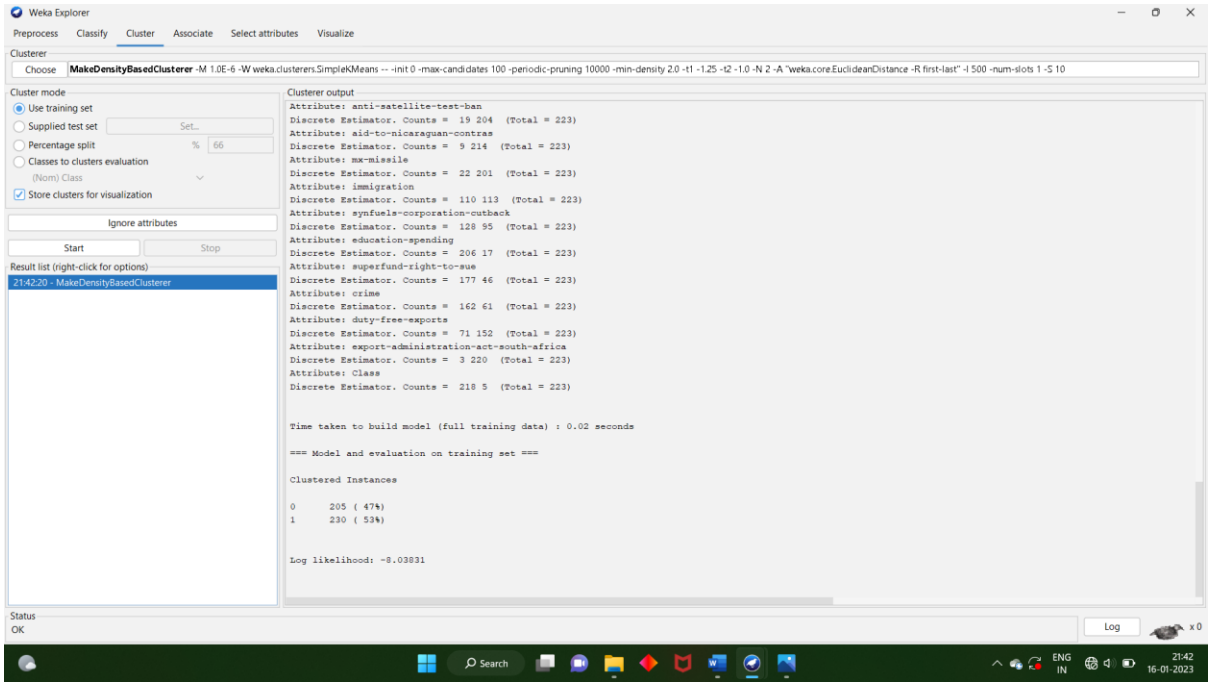


PREDICTION OF CATEGORICAL DATA USING BAYESIAN ALGORITHM USING WEKA.

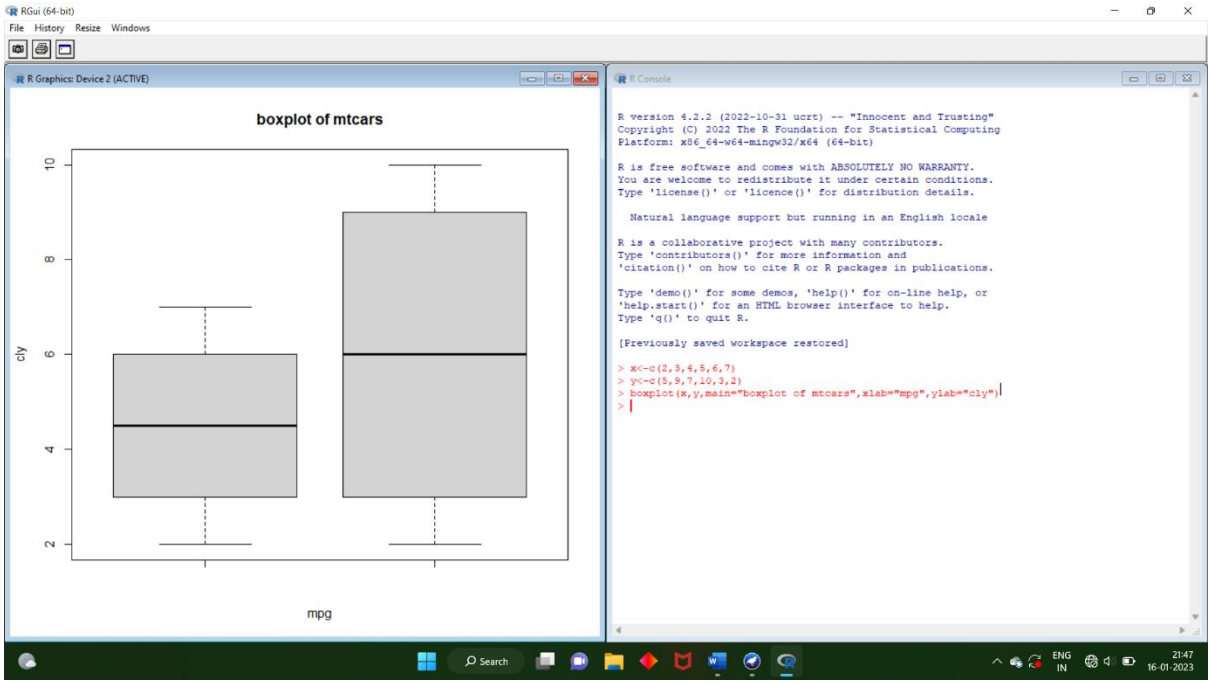


DATA ANALYSIS BY DENSITY BASED CLUSTERING ALGORITHM USING WEKA.





CREATE A BOXPLOT GRAPH FOR THE RELATION BETWEEN "MPG"(MILES PER GALLOON) AND "CYL"(NUMBER OF CYLINDERS) FOR THE DATASET "MTCARS" AVAILABLE IN R ENVIRONMENT



USING R PROGRAM MAKE A HISTOGRAM FOR THE "AIRPASSENGERS "DATASET, START AT 100 ON THE X-AXIS, AND FROM VALUES 200 TO 700, MAKE THE BINS 150 WIDE.