## OUTPUT

- i) loading the data we can load dataset into weka by clicking an open button in preprocessing interface and selecting the appropriate file.
- 2) Once the data is loaded, weka will recognize the attributes and during the scan of the data weka will complete some basic stratergies on each attribute.
  - 3) Clicking on an attribute in the left panel will show the baric statistics on the attributes we can obtain min, max, mean, standard deviation and deviation etc.
  - u) The Visualization in the right button panel in the form of Cross tabulation across two attributes.
  - 5) Remove: Selecting or fittering attributes

    Removing: Choose Tab -> weka -> filter -> unsupervised

    -> attribute -> remove

Replacing Missing Value: - Choose Pab -> weka -> filters ->

unsupervised -> attribute ->

Norminal to Binary -> replacing

missing values

Same for Nominal to Binary

Discritize: - Choose Tab + weka > filters + unsupervised - attribute - Discritize.

## VIVA QUESTIONS

What is the main goal of Data Mining?

Ans. To find patterns that Can lead to inferences or predictions from large and unstructured data sets.

What are the Two Types of Data Mining Tasks?

Ans. Two types of Data Mining Tasks are descriptive tasks and predictive tasks.

What are the Data Mining Functionalities?

Ans. Data characterization, Data Discrimination, Association analysis, clauification, prediction, clusting, outlier, evolution.

What are the Features of WEKA?

Ans. quickly solve data, solve storage problem of infrastructure engineers, it's good if it also has a lot of read traffic.

Navigate the options available in the WEKA.

Ans. Explorer, Experimenter, Knowledge how, Console, preprocesor, clarify, cluster, associate, selectathibutes, visualize.

What is ARFF file format?

Ans. Header Section: @relation'- data setname @ attribute! -defination, '@data' to mark start of the data data Section: actual data instances with values seperated by Commal.

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Week-1

Aim:

relatives enoughly to perfection you This experiment illustrates some of the basic data Processing operations that can be per-formed using WEKA - Explorer. The Simple data available in arth format. i while mest the sorty of

Stepu:

Step 1: - Morror - water a water loading the data. We can load the dataset into weka by clicking on open botton in preprocessing interface and selecting the appropriate file.

Once the data is loaded, weka will recognize the attributes and during the Scan of the data weka will Complete some basic stratergies on each attribute. The left panel in the above figures shows the list of

recognized attributes while the top panel indicates the names of the base relation or table and

the Current working relation (which are same

initially) Clicking on an attribute in the left panel will show the baric statistics on the attributes for

the Categorial attributes the frequency of each attribute value is shown while for Continuous

attributes we can obtain min, max, mean, Stardarddeviation and deviation etc.

The visualization in the right button panel in the form of cross-tabulation across two attributer.

Step 5: Remove: Selecting or filtering attributes Removing. chooseTab -> weka -> filters -> unsupervised -> attribute -> remove. Replace Missing Values: choosetab -> weka -> filters -> unsupervised -> attribute -> Replace missing values Nominal to Binary: choosetab -> weka -> fitters -> unsupervised -> attribute -> Nominal -to Binary al parrot bas istudates Discritive :- 1200 no significant sized some. choose lab > weka -> fitters -> unsupervised -rattribute -> Discritize

Preproces Clauity Cluster Associated Selecter	daltributer Visualize	
Openfile. OpenURL OpenDB Generate undo	Edit Save	
filter	Bearing and the second	
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Current Relation	Selected Attribute	
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All None Envert Pattern No. Name	1 < 30 5	5.0
1 age	2 30-40 4	4.0
2 D Price	3 740 5	5.0
3 D Income	Class: buyspe (NOm) V	Visulize ALL
H D Student		·
5 D Credit-rating		
6 D buyspe		
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