

Mini-Project Evaluation

1. Data Set

4 marks

- A. How well it meets the criteria mentioned in the guidelines?
- B. No of attributes (columns) and rows (tuples)
- C. How much value do the attributes contribute?
- D. Missing Values, NaNs
- E. Categorical and Numerical column presence

2. Data Cleaning

5 marks

- A. Identification of missing data.
- B. Missing data is categorical/numeric and how well are missing values replaced. (Min of methods mentioned in the guidelines (More weightage)
- C. If they have tried some different methods for missing values, well and good.
- D. If they have chose to drop any attribute instead of replacing it, valid reason for it. (Since attribute dropping should have strong reasons and one cannot simply attribute as it may carry important info pertaining to individual tuples)

3. Visualization

7 marks

- A. Is the graph chosen to represent the particular attribute/aspect appropriate?
Eg: Scatter plot for correlation visualization, then the next best method is line graph (histogram cannot be used)
- B. How easy is to visualize the graph and draw conclusions without explanation? (How well is the data represented on graphs?)
- C. Name of x-axis, y-axis and title of the graph. (Very very important aspect since a graph without these has no value)
- D. legend for the graph if required
- E. Extension of axis if required and not sticking to default graph options of python. Eg: if the values are up to 7500 and x axis has last marked number on number line as 7000, it is wrong. It should up to 8000 or else high chances of wrong interpretations.

4. Insights/Results:

8 marks

- A. Hypothesis testing and results (More weightage)
- B. Graph conclusions
- C. Accuracies
- D. Reason for such accuracies/results (No worries regarding accuracy)

Note: Accuracies matter to some extent and it should be good. No point of doing a project with 20-30% accuracy

5. Presentation:

5 marks

A. Screenshots of the results and content.

B. Should be limited to 8-10 slides excluding intro and thank you slide

6. Code:

5 marks

A. Will be asked to submit the code through GitHub or Google forms. Need not evaluate.

Note: If presentation has everything, well and good. Need not go to code section while explaining/presenting except for graph visualization. (Since code don't matter much)

7. Communication Skills

3 marks

8. Question-Answering

3 marks