DSPL Lab Assignment 2

Refer the Loan dataset in the given file and perform the following queries.

- 1. Identify the most freuent values for all categorical features
- 2. Give descriptive statistics of numerical features in the dataset. Comment about the distribution of data from it.
- 3. Replace the missing values in categorial features using appropriate techniques.
- 4. Demonstrate various encoding techniques for categorical features.
- 5. for numerical features, replace missing values using
 - a. using simple imputer (mean, median)
 - b. using random sample imputation
- 6. Give descriptive statistics of numerical features in the dataset after handling missing values. Comment about the distribution of data from it.
- 7. Plot following graphs. Label X and Y axis, give appropriate title to the graph.
 - a. Plot histogram for Loan Amount and mention ur observations
 - b. Plot histogram for Loan Amount and mention ur observations
- c. plot bar graph showing income for graduate and non-graduate applicant and mention ur observations
 - d. Plot the boxplot for Loan amount. Give the five value summary from it.
- e. Comment on the correlation between Applicant's income and Loan amount using appropriate graph.
- f. Give descriptive statistics of numerical features in the dataset. Comment about the distribution of data from it.

Subject Incharge

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