Project Documentation: Exploratory Data Analysis

TITLE, Name, DA/DS, Batch number, Online/Offline, Roll Number

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1. Introduction

- Brief overview of the project objectives and dataset.

2. Aim

- Clear statement of the project's aim.

3. Business Problem / Problem Statement

- Description of the business problem or problem statement the project aims to address.

4. Project Workflow

- High-level overview of the project workflow or methodology followed.

5. Data Understanding

- Description of the dataset, including structure, dimensions, and data types.
- Summary statistics and insights gained from initial data exploration.

6. Data Cleaning - Missing Values Imputation, Outliers, Handling Inconsistent Values

- Techniques and methods used for cleaning the data, including handling missing values, outliers, and inconsistent entries.

7. Obtaining Derived Metrics

- Description of derived metrics created to enhance the dataset.

8. Filtering Data for Analysis

- Explanation of any additional data filtering or preprocessing steps performed to prepare the data for analysis.

9. EDA - Univariate Analysis

- Insights gained from univariate analysis, including visualizations of individual variables.

10. Segmented Univariate Analysis

- Analysis of data segments or categories to gain deeper insights.

11. Bivariate Analysis

- Analysis of relationships between pairs of variables.

12. Multivariate Analysis

- Exploration of complex relationships involving multiple variables.

13. Overall Insights Obtained from Analysis

- Summary of key insights and findings obtained from the analysis.

14. Conclusion

- Final conclusions drawn from the analysis.
- Recommendations or next steps for further analysis or action.