DA PROJECT SLIDES & REPORT GUIDELINESS

Techolas Technologies

Slide 1: Title Slide

- **Title:** Data Analysis Project
- **Subtitle:** Addressing Problems in a Dataset
- **Your Name**
- **Date**

Slide 2: Objective

- **Objective:** Briefly state the goal of the project.
- **Overview:** Outline the steps you'll take to achieve this objective.

Slide 3: Choosing a Dataset

- **Dataset Selection:** Explain the criteria for selecting a dataset.
- **Source:** Mention where you found the dataset.
- **Description:** Provide a brief description of the dataset, including the number of records and features.

Slide 4: Understanding the Problem

- **Problem Definition:** Clearly state the problem you are addressing.
- **Importance:** Explain the real-world context and importance of solving this problem.

Slide 5: Data Preprocessing

- **Data Cleaning:** Describe the steps taken to clean the data (handling missing values, removing duplicates, etc.).
- **Data Transformation:** Explain any transformations applied to the data (normalization, standardization).
- **Feature Engineering:** Mention any new features created to enhance the dataset.

Slide 6: Exploratory Data Analysis (EDA)

- **Visualizations:** Show key plots (histograms, scatter plots, box plots) with brief explanations.
- **Summary Statistics:** Present important summary statistics (mean, median, standard deviation).
- **Insights:** Highlight any interesting patterns or anomalies discovered during EDA.

Slide 7: Identifying Problems

- **Data Quality Issues:** Identify issues such as missing values, outliers, and inconsistencies.
- **Documentation:** Provide a brief account of the problems found.

Slide 8: Addressing Problems

- **Handling Missing Values:** Explain how you handled missing data.
- **Outliers Treatment:** Describe the approach to treating outliers.
- **Other Issues:** Address any other identified issues and the methods used to resolve them.

Slide 9: Data Analysis Techniques

- **Techniques Used:** List the statistical or machine learning techniques applied.
- **Modelling:** If applicable, mention any predictive models built and evaluated.

Slide 10: Model Evaluation (if applicable)

- **Validation Methods:** Explain the validation techniques used to assess model performance.
- **Results:** Present the evaluation results and metrics used (accuracy, precision, recall, etc.).

Slide 11: Insights and Recommendations

- **Key Findings:** Summarize the key insights derived from the analysis.
- **Recommendations:** Provide actionable recommendations based on the analysis.

Slide 12: Solution Implementation

- **Implementation Steps:** Suggest how your recommendations can be implemented in the real world.
- **Impact:** Explain the potential impact of implementing these solutions.

Slide 13: Conclusion

- **Summary:** Recap the main findings and insights from the project.
- **Reflection:** Reflect on the learning experience and any challenges encountered.
- **Future Work:** Suggest areas for further research or analysis.