

Essential Structure for a Data Analysis Project Presentation

1. Title Slide

- Project Title
- Learner's Name
- Date

2. Project Brief

- Overview of the project
- Objectives or goals
- Key questions or hypotheses

3. Dataset Overview

- Source of data
- Description of dataset content (e.g., number of records, columns)
- Relevance of the dataset to the project goals

4. Dataset Structure

- Breakdown of key variables/features
- Types of data (e.g., categorical, numerical)

5. Identified Problems or Challenges in Dataset

- Missing values
- Duplicates
- Outliers or inconsistent data

6. Data Cleaning Process

- Steps taken to clean the data (e.g., handling missing values, removing duplicates)
- Decisions and justifications for data treatment

7. Data Transformation

- Creation of new variables, if any
- Data scaling, encoding, or other preprocessing techniques used

8. Exploratory Data Analysis (EDA)

- Key findings from initial analysis
- Descriptive statistics (e.g., means, medians)
- Visual summaries (e.g., distribution plots, correlation heatmaps)

9. Visual Analysis

- Graphs and visuals showcasing trends, distributions, and relationships
- Explanation of insights drawn from each visual

10. Insights and Findings

- Key insights based on data analysis
- Answers to initial questions or hypotheses

11. Recommendations

- Suggested actions based on insights
- Potential areas for further exploration or analysis

12. Limitations of the Analysis

- Any constraints or limitations encountered
- Potential impact on findings or recommendations