

Study Notes

Of course! Here are your concise, visual study notes on Exploratory Data Analysis.

■ Key Concepts

- **Exploratory Data Analysis (EDA)**: The process of summarizing and visualizing data to understand its main characteristics.
- **Summary Statistics**: Key numbers (like mean, median) that quickly describe your data.
- **Data Visualization**: Using graphs and charts to see patterns and trends hidden in data.

■ Important Points

- **Primary Goal**: To "get to know" your data *before* formal analysis or modeling.
- **Main Objective**: Uncover hidden patterns, relationships, and strange outliers.
- **Key Outcome**: Helps you form hypotheses, build better models, and make data-driven decisions.

■ Quick Facts

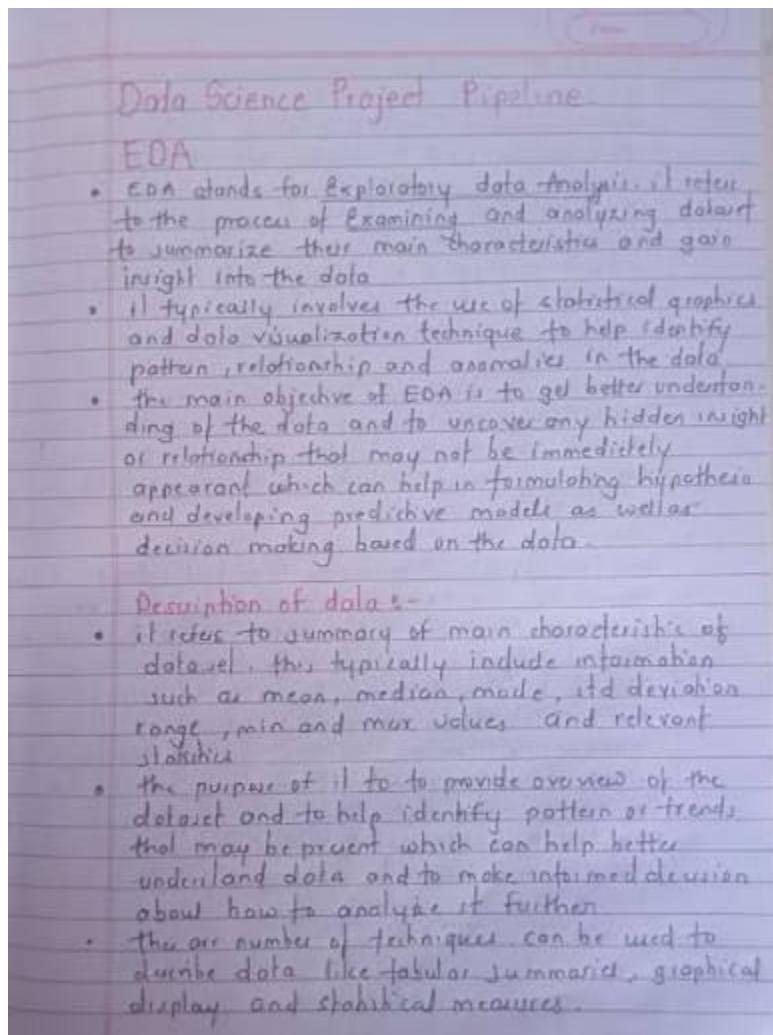
- Relies heavily on **visual tools** like charts and graphs.
- It's the first step in almost any data project.
- Commonly checks for: **mean**, **median**, **standard deviation**, and **min/max** values.

■ Memory Tips

- **Acronym**: Think **EDA** → "***E**xplore **D**ata **A**lways" (before you start modeling).
- **Analogy**: EDA is like being a detective ■■■■■, looking for initial clues in the data before ma...

■ Reference Images

Image 1

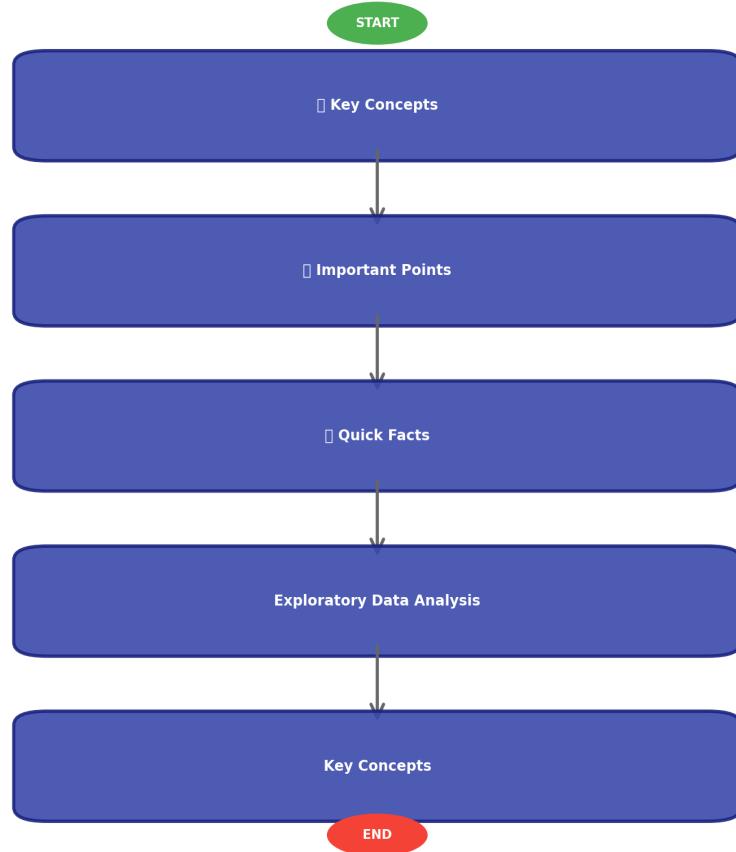


■ Visual Diagrams

Concept Mind Map



Process Flowchart



Concept Hierarchy

