**1. Data Collection:** Gathering relevant data from sources like surveys, databases, or experiments.

**2. Data Cleaning:** Removing errors, handling missing values, and ensuring data consistency for accurate analysis.

**3. Exploratory Data Analysis (EDA):** Using statistics and visualizations to understand data patterns and identify trends.

**4. Data Modeling:** Applying algorithms or statistical models to predict outcomes or find relationships within the data.

**5. Data Interpretation:** Analyzing model results to draw meaningful conclusions and insights.

1. **Data Visualization:** Creating charts and graphs to communicate insights clearly to stakeholders.

**7. Reporting:** Summarizing findings and recommendations in a clear report for decision-making.