Project Overview:

Title: Data Analysis With Ustacky

Objective: The objective of this project is to learn data analysis on a given dataset to gain insights, identify patterns, and understand the underlying structure of the data. Through this analysis, the aim to provide actionable recommendations and insights to stakeholders.

Tools: Excel, Tableau, My SQL, and Power BI.

Steps:

1. Data Collection and Preparation:

- Obtain the dataset and understand its structure.

- Download the various tools.

- Perform data cleaning and preprocessing as necessary.

2. Exploratory Data Analysis:

- Watch videos form Ustacky then practice using the different tools.

- Explore relationships between variables using Pivot tables, inner join etc.

- Identify patterns, trends, and anomalies in the data.

3. Documentation and Reporting:

- Document the entire data analysis process including data cleaning, exploration, and dashboard steps.

- Prepare a final report or presentation highlighting the methodology, results, and recommendations.

Suggestions for Future Plans:

1. Advanced Analysis Techniques:

- Explore more advanced analysis techniques such as python.

2. Real-time Data Analysis:

- Implement real-time data analysis pipelines to continuously monitor and analyze incoming data for timely insights and decision-making.

3. Interactive Dashboards:

- Develop interactive dashboards using tools like Tableau or Power BI to provide stakeholders with self-service access to the analysis results.

4. Deep Dive into Specific Areas:

- Dive deeper into specific areas of interest identified during the initial analysis to uncover more granular insights and opportunities to growth in tech

5. Collaboration and Feedback:

- Collaborate with domain experts and stakeholders to gather feedback and refine analysis methodologies for more impactful results.