

Unified Mentor Internship Projects

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This repository contains the project submissions for the Unified Mentor Internship Program. Each folder includes assignments based on different topics such as Advanced Mathematics, Statistics, SQL, and Tableau.

Project Structure

1. Advanced Math

- Notebooks:

- Hypothesis_Testing_Assignment.ipynb
- Hypothesis_Testing_Advanced_Assignment.ipynb
- Telecom_Advanced_Math_Assignment.ipynb

- Focus:

Hypothesis testing (z-test, t-test), statistical problem solving using the Telecom dataset.

2. Statistics Project

- Notebooks:

- Statistics_Advanced_Assignment.ipynb
- Telecom_Statistics_Advanced_Assignment.ipynb

- Focus:

Descriptive statistics, data visualization, EDA, correlation analysis, central tendency.

3. SQL Project

- Notebook:

- SQL_Assignment.ipynb

- Focus:

SQL queries for data analysis, aggregation, joins, subqueries, and window functions.

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4. Tableau Project

- Notebook:

- Green_Destinations_Attrition_Analysis.ipynb

- Focus:

- Preprocessing and insights for visualization using Tableau (Green Destinations Dataset).

Technologies Used

- Python (Pandas, NumPy, Matplotlib, Seaborn)

- SQL (Basic to Advanced Queries)

- Tableau for Visual Dashboards

- Jupyter Notebook for code and documentation

Instructions

Each folder contains a separate README.md explaining the assignment objectives, topics covered, and datasets used.

Submission Links

You can access each section via the respective folder in this repository or shared drive.

Prepared as part of the Unified Mentor Internship Program - Project Submission