

Data Analyst Task Assignment

Task: Customer Churn Analysis & Prediction

Team Members & Roles:

1. Data Cleaning & Preprocessing Analyst

- Gather and preprocess raw data from multiple sources.
- Handle missing values, outliers, and inconsistencies.
- Perform exploratory data analysis (EDA) to identify key trends.
- Generate summary statistics and visualize data distributions.

2. Modeling & Insights Analyst

- Develop predictive models to analyze customer churn patterns.
- Perform feature engineering and selection to enhance model accuracy.
- Use machine learning algorithms such as logistic regression, decision trees, or random forests.
- Interpret model results and provide actionable business insights.

Requirements:

- Use Python, SQL, and data visualization tools (Pandas, Matplotlib, Seaborn, Tableau, or Power BI).
- Deliver a report summarizing findings, insights, and recommendations.
- Provide a Jupyter Notebook (or Python script) with well-documented code.

Team Members:

1. Shrikrishna Jadhavar
2. Shreyash Pawar

Deadline: February 8th, 2025.