**Automatidata - Taxi Fare Prediction - Proposal**

## **Overview:**

This project involves creating a regression model to predict taxi cab fares for the New York City Taxi and Limousine Commission (TLC). The tasks are divided into milestones, each with specific deliverables and relevant stakeholders. The goal is to ensure a structured workflow following the PACE (Plan, Analyze, Construct, Execute) methodology.

| **Milestone** | **Tasks** | **Deliverables/Reports** | **Relevant Stakeholder (Optional Activity)** |
| --- | --- | --- | --- |
| **1** | **Evaluate the model**  **Analyze** | * Global-level project document | Udo Bankole |
| **1a** | **Write a project proposal**  **Plan** | * Project proposal | Deshawn Washington |
| **2** | **Data exploration and cleaning**  **Analyze** | * Data files ready for EDA | Luana Rodriquez |
| **2a** | **Begin exploring the data**  **Analyze** | * Initial data exploration report | Uli King |
| **3** | **Conduct hypothesis testing**  **Plan and Analyze** | * EDA report | Luana Rodriquez |
| **3a** | **Visualization building**  **Analyze and Construct** | * Tableau dashboard/visualizations | Titus Nelson |
| **4** | **Compute descriptive statistics**  **Analyze** | * Analysis of testing results between two important variables | Juliana Soto |
| **4a** | **Build a regression model**  **Construct and Analyze** | * Regression analysis report | Udo Bankole |
| **5** | **Compile summary information about the data**  **Analyze and Construct** | * Data summary report | Luana Rodriquez |
| **5a** | **Establish structure for project workflow (PACE)**  **Plan** | * Determine the success of the model | Uli King |
| **6** | **Communicate final insights with stakeholders**  **Execute** | * Final model | Titus Nelson |
| **6a** | **Build a machine learning model**  **Construct** | * Report to all stakeholders | Deshawn Washington |