**Taxi Fares Estimation Project Proposal**

## **Overview:**

The goal of this project is to develop a regression model that estimates fares of taxi rides before a customer begins their ride.

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| **Milestone** | **Tasks** | **Deliverables/Reports** | **Relevant Stakeholder (Optional Activity)** |
| **1** | Establish structure for project workflow (PACE)  Plan | * Global-level project document | Senior Project Manager |
| Write a project proposal  Plan | * Project proposal | Senior Project Manager |
| Select software/languages  Plan | * Software and language selected | Data Analysis Manager |
| **2** | Begin exploring the data  Analyze | * Data files ready for EDA | Data Analyst & Senior Data Analyst |
| Data exploration and cleaning  Analyze | * EDA report | Data Analyst & Senior Data Analyst |
| Compute descriptive statistics  Analyze | * Statistics of data | Data Analyst & Senior Data Analyst |
| Compile summary information about the data  Analyze | * Summary information about the data | Data Analyst & Senior Data Analyst |
| **3** | Build a regression model  Construct | * Analysis of testing results between two important variables | Data Analyst & Senior Data Analyst |
| Evaluate the model  Construct | * Model accuracy | Data Analyst & Senior Data Analyst |
| Conduct hypothesis testing  Construct **and** Analyze | * Outcome of hypothesis testing | Data Analyst & Senior Data Analyst |
| **4** | Visualization building  Construct **and** Analyze | * Tableau dashboard/visualizations | Data Analyst & Senior Data Analyst |
| **5** | Communicate final insights with stakeholders  Execute | * Report to all stakeholders | Director of Data Analysis |