**Automatidata Project Proposal**

## **Overview:**

This project aims to develop a predictive model for estimating ride duration that will help TLC identify rides which took more than expected time to reach the destination.

| **Milestone** | **Tasks** | **Deliverables/Reports** | **Relevant Stakeholder (Optional Activity)** |
| --- | --- | --- | --- |
| **1** | **Establish structure for project workflow (PACE)**  **Plan** | * Global-level project document | Data Analysis Manager |
| **1a** | **Write a project proposal**  **Plan** |  | Project Manager |
| **2** | **Inspect data files for missing data**  **Analyze** | * Data files ready for EDA | Senior Data Analyst |
| **2a** | **Understand the data**  **Analyze** |  | Senior Data Analyst |
| **3** | **Data exploration and cleaning**  **Plan and Analyze** | * EDA results | Senior Data Analyst |
| **3a** | **Visualization building**  **Analyze and Construct** | * Tableau dashboard/   visualizations | Project Manager |
| **4** | **Compute descriptive statistics**  **Analyze** | * Analysis of testing results between two important variables * Share results of testing | Senior Data Analyst |
| **4a** | **Conduct hypothesis test**  **Analyze and Construct** |  | Director of Data Analysis |
| **5** | **Build a regression model**  **Analyze and Construct** | * Review testing results * Determine the success of the model | Senior Data Analyst |
| **5a** | **Evaluate the model**  **Execute** |  | Data Analyst Manager |
| **6** | **Communicate final insights with stakeholders**  **Execute** |  | Director of Data Analysis |
| **6a** | **Not necessary for this project**  **Select PACE stage** |  |  |