# **Automatidata** Proposal

## **Overview:**

To develop a regression model that helps estimate taxi fares before the ride, based on data that TLC has gathered.

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