**Fares Prediction Project Proposal**

## **Overview:**

The data team at Automatidata is tasked with developing a regression model that helps estimate taxi fares before the ride, based on data that New York City Taxi and Limousine Commission (TLC) has gathered.

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| **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  Select software/languages  Plan |  | * Senior Project Manager |
| **2** | Compile summary information about the data  Analyze | * Data files ready for EDA | * Senior Data Analyst |
| **2a** | Begin exploring the data  Analyze |  | * Data Analysis Manager * Senior Data Analyst |
| **3** | Data exploration and cleaning  Plan **and** Analyze | * EDA report | * Senior Data Analyst |
| **3a** | Visualization building  Analyze **and** Construct | * Tableau dashboard/visualizations | * Senior Project Manager |
| **4** | Compute descriptive statistics  Analyze | * Analysis of testing results between two important variables | * Data Analysis Manager |
| **4a** | Conduct hypothesis testing  Analyze **and** Construct | * Testing results | * Director of Data Analysis |
| **5** | Build a regression model  Analyze **and** Construct |  | * Senior Data Analyst |
| **5a** | Evaluate the model  Execute | * Determine the success of the model | * Director of Data Analysis |
| **6** | Build a machine learning model  Construct | * Final model |  |
| **6a** | Communicate final insights with stakeholders  Execute | * Report to all stakeholders |  |