**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~~  Data Analysis 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 Analysis Manager |
| Data exploration and cleaning  Plan **and** Analyze | * EDA report * Tableau dashboard/visualizations | Data Analyst & Senior Data Analyst |
| Compute descriptive statistics  Analyze | * ~~Statistics of data~~ * Analysis of testing results between two important variables * Share results of testing | ~~Data Analyst & Senior Data Analyst~~  Data Analysis Manager |
| Compile summary information about the data  Analyze | * ~~Summary information about the data~~ * Data files ready for EDA | Data Analyst & Senior Data Analyst |
| **3** | Build a regression model  Construct | * ~~Analysis of testing results between two important variables~~ * Review testing results * Determine the success of the model | Data Analyst & Senior Data Analyst |
| Evaluate the model  Construct | * ~~Model accuracy~~ | ~~Data Analyst & Senior Data Analyst~~  Director of Data Analysis |
| Conduct hypothesis testing  Construct **and** Analyze | * ~~Outcome of hypothesis testing~~ | ~~Data Analyst & Senior Data Analyst~~  Director of Data Analysis |
| **4** | Visualization building  Construct **and** Analyze | * ~~Tableau dashboard/visualizations~~ | ~~Data Analyst & Senior Data Analyst~~  Senior Project Manager |
| **5** | Communicate final insights with stakeholders  Execute | * Report to all stakeholders | ~~Director of Data Analysis~~ |