Taxi Cab Fares Prediction Proposal

Overview:

The New York City Taxi and Limousine Commission seeks a way to utilize the data collected from the New York City area to predict the taxi cab fare amount.

Milestone	Tasks	Deliverables/Reports	Relevant Stakeholder (Optional Activity)
1	Establish structure for project workflow (PACE) Plan ▾	● Global-level project document	Deshawn Washington – Data Analysis Manager
1a	Write a project proposal Plan ▾		Uli King — Senior Project Manager
2	Compile summary information about the data Analyze ▾	● Data files ready for EDA	Luana Rodriquez — Senior Data Analyst
2a	Begin exploring the data Analyze ▾		

3	**Data exploration and cleaning** Plan and Analyze	● EDA report	Luana Rodriquez — Senior Data Analyst
3a	**Visualization building** Analyze and Construct	● Tableau dashboard/visualizations	
4	**Compute descriptive statistics** Analyze	● Analysis of testing results between two important variables ● Sahre results	
4a	**Conduct hypothesis testing** Analyze and Construct		Udo Bankole — Director of Data Analysis
5	**Build a regression model** Analyze and Construct	● Review testing results	
5a	**Evaluate the model** Execute	● Determine the success of the model	Udo Bankole — Director of Data Analysis

6	**Build a machine learning model** Execute ▾	● Final model	
6a	**Communicate final insights with stakeholders** Execute ▾	● Report to all stakeholders	Deshawn Washington – Data Analysis Manager

Note: The estimated times for the milestones:
- Milestone 1:   1-2 days
- Milestone 2:   2-3 weeks
- Milestone 3:   1 week
- Milestone 4:   1 week
- Milestone 5:   1-2 weeks