The New York City Transit and Limousine Commission Regression Model Proposal

Overview:

The aim of this project is to create a regression model that accurately predicts the length of a taxi or limousine ride given a set of predetermined parameters for the New York City Transit and Limousine Commission (TLC)

Milestone	Tasks	Deliverables/Reports	Relevant Stakeholder (Optional Activity)
1	**Establish structure for project workflow (PACE)** Plan ⏷	● Global-level project document ● Stakeholders are updated	
1a	**Select software/languages** ⏷ Plan ⏷	● Stakeholders are updated	
2	**Begin exploring the data** ⏷ Analyze ⏷	● Data files ready for EDA	
2a	**Data exploration and cleaning** Analyze ⏷		

3	**Compute descriptive statistics** Plan ▾ and Analyze ▾	• EDA report	
3a	**Visualization building** ▾ Plan ▾ and Analyze ▾	• Tableau dashboard/visualizations	
4	**Compile summary information about the data** Analyze ▾	• Report to stakeholder the key findings from preliminary analysis	
4a	**Build a regression model** ▾ Analyze ▾ and Construct ▾	• Document the how the model was buit and underlying assumptions used	
5	**Conduct hypothesis testing** ▾ Analyze ▾ and Construct ▾		
5a	**Evaluate the model** ▾ Construct ▾	• Determine the success of the model • Report to stakeholder the success of the model	
6	**Compile summary information about the data** Execute ▾	• Final model	

6a	Communicate final insights with stakeholders Execute ▾	• Report to all stakeholders	