



Automatidata Project Proposal

Overview:

Our data team's objective is to develop a machine learning model that accurately predicts taxi cab fares before each ride for the New York City Taxi and Limousine Commission (TLC).

Milestone	Tasks	Deliverables/Reports	Relevant Stakeholder (Optional Activity)
1	<p>Establish structure for project workflow (PACE)</p> <p>Plan</p>	<ul style="list-style-type: none">Global-level project document	
1a	<p>Write a project proposal</p> <p>Plan</p>		
2	<p>Compile summary information about the data</p> <p>Analyze</p>	<ul style="list-style-type: none">Data files ready for EDA	
2a	<p>Begin exploring the data</p> <p>Analyze</p>		
3	<p>Data exploration and cleaning</p> <p>Plan and Analyze</p>	<ul style="list-style-type: none">EDA reportTableau dashboard/visualizations	



Course 1: Foundations of Data Science

3a	<p>Visualization building</p> <p>Construct ▾ and Analyze ▾</p>		
4	<p>Compute descriptive statistics</p> <p>Analyze ▾</p>	<ul style="list-style-type: none">Analysis of testing results between two important variablesShare the results of testing	
4a	<p>Conduct hypothesis testing</p> <p>Analyze ▾ and Construct ▾</p>		
5	<p>Build a regression model</p> <p>Analyze ▾ and Construct ▾</p>	<ul style="list-style-type: none">Determine the success of the modelReview testing results	
5a	<p>Evaluate the model</p> <p>Execute ▾</p>		
6	<p>Communicate final insights with stakeholders</p> <p>Execute ▾</p>		
6a	<p>Not necessary for this project</p> <p>Select PACE stage ▾</p>		