



Automatidata Project Proposal

Overview:

The NY City Taxi and Limousine Commission (TLC) is looking for a way to utilize the data collected from the NY City area to predict the fare amount for taxi cab rides.

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	Deshawn Washington — Data Analysis Manager
1a	<p>Write a project proposal</p> <p>Plan ▾</p>	<ul style="list-style-type: none">Internal-level project document	Uli King — Senior Project Manager
2	<p>Compile summary information about the data</p> <p>Analyze ▾</p>	<ul style="list-style-type: none">Data files ready for EDA	Luana Rodriguez — Senior Data Analyst
2a	<p>Begin exploring the data</p> <p>Analyze ▾</p>		Deshawn Washington — Data Analysis Manager
3	<p>Data exploration and cleaning</p> <p>Analyze ▾ and Construct ▾</p>	<ul style="list-style-type: none">EDA report	Luana Rodriguez — Senior Data Analyst



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3a	<p>Visualization building</p> <p>Analyze ▾ and Construct ▾</p>	<ul style="list-style-type: none">Tableau dashboard/visualizations	Uli King — Senior Project Manager
4	<p>Compute descriptive statistics</p> <p>Analyze ▾</p>	<ul style="list-style-type: none">Analysis of testing results between two important variablesShare results of testing	Deshawn Washington — Data Analysis Manager
4a	<p>Conduct hypothesis testing</p> <p>Analyze ▾ and Construct ▾</p>		Udo Bankole — Director of Data Analysis
5	<p>Build a regression model</p> <p>Analyze ▾ and Construct ▾</p>	<ul style="list-style-type: none">Review testing resultsDetermine the success of the model	Luana Rodriguez — Senior Data Analyst
5a	<p>Evaluate the model</p> <p>Execute ▾</p>	<ul style="list-style-type: none">Determine the success of the model	Udo Bankole — Director of Data Analysis
6	<p>Communicate final insights with stakeholders</p> <p>Execute ▾</p>	<ul style="list-style-type: none">Final model	

Note: The estimated times for the milestones in the example equate to the length of the courses where you will learn the necessary skills. Realistic timelines when working with



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actual clients and data scientists as a data scientist would most likely have tight deadlines, for example:

Milestone 1: 1-2 days

Milestone 2: 2-3 weeks

Milestone 3: 1 week

Milestone 4: 1 week

Milestone 5: 1-2 weeks