



# Automatidata Project Proposal

## Overview:

In this project, our Automatidata team is partnered with the New York City Taxi and Limousine Commission (TLC). The purpose is to develop a regression model to predict the taxi fares before each ride.

Milestone	Tasks	Deliverables/Reports	Relevant Stakeholder (Optional Activity)
1	<div>Establish structure for project workflow (PACE)</div> <div>Plan ▾</div>	<ul style="list-style-type: none"><li>Global-level project document</li></ul>	Deshawn Washington (Data Analysis Manager)
1a	<div>Write a project proposal</div> <div>Plan ▾</div>	<ul style="list-style-type: none"><li>Milestones and tasks are assigned at each stage.</li><li>Stakeholders updated.</li></ul>	Uli King (Senior Project Manager)
2	<div>Compile summary information about the data</div> <div>Analyze ▾</div>	<ul style="list-style-type: none"><li>Data files ready for EDA</li></ul>	Luana Rodriguez (Senior Data Analyst)
2a	<div>Begin exploring the data</div> <div>Analyze ▾</div>	<ul style="list-style-type: none"><li>EDA process</li></ul>	Deshawn Washington (Data Analysis Manager)
3	<div>Data exploration and cleaning</div>	<ul style="list-style-type: none"><li>EDA report</li><li>Stakeholders updated.</li></ul>	Luana Rodriguez (Senior Data Analyst)



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	<b>Plan</b> and <b>Analyze</b>		
3a	Visualization building <b>Analyze</b> and <b>Construct</b>	<ul style="list-style-type: none"><li>Tableau dashboard/visualizations</li><li>Visualizations from Python.</li></ul>	Uli King (Senior Project Manager)
4	Compute descriptive statistics <b>Analyze</b>	<ul style="list-style-type: none"><li>Analysis of testing results between two important variables.</li></ul>	Deshawn Washington (Data Analysis Manager)
4a	Conduct hypothesis testing <b>Analyze</b> and <b>Construct</b>	<ul style="list-style-type: none"><li>Testing results.</li></ul>	Udo Bankole (Director of Data Analysis)
5	Build a regression model <b>Analyze</b> and <b>Construct</b>	<ul style="list-style-type: none"><li>Model's approach is then chosen for developing.</li></ul>	Luana Rodriguez (Senior Data Analyst)
5a	Evaluate the model <b>Execute</b>	<ul style="list-style-type: none"><li>Determine the success of the model</li></ul>	Udo Bankole (Director of Data Analysis)
6	Build a machine learning model <b>Construct</b>	<ul style="list-style-type: none"><li>Final model</li></ul>	Luana Rodriguez (Senior Data Analyst)
6a	Communicate final insights with stakeholders	<ul style="list-style-type: none"><li>Report to all stakeholders</li><li>Presentations</li><li>Executive summaries</li></ul>	Udo Bankole (Director of Data Analysis)



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