



# 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	<div>Establish structure for project workflow (PACE)</div> <div>Plan ▾</div>	<ul style="list-style-type: none"><li>Global-level project document</li></ul>	
1a	<div>Write a project proposal</div> <div>Plan ▾</div>		
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>	
2a	<div>Begin exploring the data</div> <div>Analyze ▾</div>		
3	<div>Data exploration and cleaning</div> <div>Plan ▾ and Analyze ▾</div>	<ul style="list-style-type: none"><li>EDA report</li><li>Tableau dashboard/visualizations</li></ul>	



## 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"><li>• Analysis of testing results between two important variables</li><li>• Share the results of testing</li></ul>	
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"><li>• Determine the success of the model</li><li>• Review testing results</li></ul>	
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>		