



# [Title of Project] Proposal

## Overview:

The New York City Taxi and Limousine Commission (TLC) has partnered with Automatidata to develop a predictive model that estimates taxi fares before a ride begins. The project will utilize historical trip data to build a regression model using variables such as trip distance, pickup time, and location. The goal is to increase fare transparency for riders and support strategic planning for TLC operations. This proposal outlines the major project tasks, deliverables, and milestones using the PACE (Plan, Analyze, Construct, Execute) strategy to ensure efficient collaboration and clear communication between technical and non-technical stakeholders.

Milestone	Tasks	Deliverables/Reports	Relevant Stakeholder (Optional Activity)
1	Establish structure for project workflow (PACE)  Plan	<ul style="list-style-type: none"><li>Global-level project document</li></ul>	Data Analysis Manager
1a	Compute descriptive statistics  Plan		
2	Begin exploring the data  Analyze	Data files ready for EDA	Data Analyst
2a	Data exploration and cleaning  Analyze	Cleaned and structured dataset	Data Science Team



## Course 1: Foundations of Data Science

<b>3</b>	Conduct hypothesis testing  Analyze and Analyze	EDA report	Data Scientists
<b>3a</b>	Visualization building  Analyze and Construct	Tableau dashboard/visualizations	Marketing and Product Team
<b>4</b>	Build a regression model  Construct	Analysis of testing results between two important variables	Data Analysts, Data Professionals.
<b>4a</b>	Evaluate the model  Analyze and Construct		
<b>5</b>	Build a machine learning model  Analyze and Construct		
<b>5a</b>	Evaluate the model  Construct	Determine the success of the model	Data Scientists
<b>6</b>	Compile summary information about the data	Final model	



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