



# Automatidata project proposal

## Overview

The New York City Taxi and Limousine Commission seeks a way to utilize the data collected from the New York City area to predict the fare amount for taxi cab rides.

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



## Course 1: Foundations of Data Science

	Construct and Analyze		
4	Compute descriptive statisticsAnalyze	Analysis of testing results between two important variables Share results of testing	
4a	Conduct hypothesis testing Analyze and Construct		
5	Build a regression model Analyze and Construct	Review testing results Determine the success of the model	
5a	Evaluate the model Execute		
6	Communicate final insights with stakeholders Execute		
6a	Not necessary for this project Select PACE stage		



## Course 1: Foundations of Data Science

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 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