



# Automatidata Proposal

## Overview:

The New York City Taxi and Limousine Commission (TLC) wants to develop a regression model that helps estimate taxi fares before the ride, based on data that TLC has gathered from NYC.

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



## Course 1: Foundations of Data Science

|    |   |   |  |
|----|---|---|--|
|    | Plan and Analyze  |   |  |
| 3a | Visualization building<br><br>Analyze and Construct         | Tableau<br>dashboard/visualizations                               |  |
| 4  | Compute descriptive statistics<br><br>Analyze               | Analysis of testing<br>results between two<br>important variables |  |
| 4a | Conduct hypothesis testing<br><br>Analyze and Construct     |   |  |
| 5  | Build a regression model<br><br>Construct and Execute       |   |  |
| 5a | Evaluate the model<br><br>Execute                           | Determine the success<br>of the model                             |  |
| 6  | Communicate final insights with stakeholders<br><br>Execute | Final model   |  |



Course 1: Foundations of Data Science

|    |  |                                   |  |
|----|--|-----------------------------------|--|
| 6a | <p>Not necessary for this project</p> <p>Select PACE stage</p> | <p>Report to all stakeholders</p> |  |
|----|--|-----------------------------------|--|