# 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 length of rides and fares.

| Milestone | Tasks | Deliverables/Reports | Relevant Stakeholder (Optional Activity) |
|---|---|---|---|
| **1** | **Establish structure for project workflow (PACE)**<br><br>**Plan** ▾ | • Global-level project document | Deshawn Washington — Data Analysis Manager |
| **1a** | **Write a project proposal** ▾<br><br>**Plan** ▾ | | Daichi Watanabe — Senior Project Manager |
| **2** | **Inspect data files for missing data**<br><br>**Analyze** ▾ | • Data files ready for EDA | Luana Rodriquez — Senior Data Analyst |
| **2a** | **Understand the data** ▾<br><br>**Analyze** ▾ | | Deshawn Washington — Data Analysis Manager |
| **3** | **Data exploration and cleaning** | • EDA results | Luana Rodriquez — Senior Data Analyst |

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| | Plan and Analyze | | |
| **3a** | Visualization building  Construct and Analyze | • Tableau dashboard/ visualizations | Daichi Watanabe — Senior Project Manager |
| **4** | Compute descriptive statistics  Analyze and Construct | • Analysis of testing results between two important variables<br>• Share results of testing | Deshawn Washington — Data Analysis Manager |
| **4a** | Build a regression model  Analyze and Construct | | Udo Bankole — Director of Data Analysis |
| **5** | Build a regression model  Analyze and Construct | • Review testing results<br>• Determine the success of the model | Luana Rodriquez — Senior Data Analyst |
| **5a** | Evaluate the model  Execute | | Udo Bankole — Director of Data Analysis |
| **6** | Data exploration and cleaning  Analyze | | |
| **6a** | Conduct hypothesis test | | Daichi Watanabe — Senior Project Manager |

**Course 1: Foundations of Data Science**

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| | Execute ▾ | | |

Milestone 1: 1-2 days
Milestone 2: 2-3 weeks
Milestone 3: 1 week
Milestone 4: 1 week
Milestone 5: 1-2 weeks