Course 1: Foundations of Data Science

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)Plan	• Global-level project document	Deshawn Washington — Data Analysis Manager
1a	**Write a project proposal** Plan		Uli King — Senior Project Manager
2	**Compile summary information about the data**Analyze	Data files ready for EDA	Luana Rodriquez — Senior Data Analyst
2a	**Begin exploring the data** Analyze		Deshawn Washington — Data Analysis Manager
3	**Data exploration and cleaning** Plan **and** Analyze	EDA report Tableau dashboard/visualizations	Luana Rodriquez — Senior Data Analyst
3a	**Visualization building**		Uli King — Senior Project Manager

	Construct and Analyze		
4	Compute descriptive statistics Analyze	Analysis of testing results between two important variables Share results of testing	Deshawn Washington — Data Analysis Manager
4a	Conduct hypothesis testing Analyze and Construct		Udo Bankole — Director of Data Analysis
5	Build a regression model Analyze and Construct	Review testing results Determine the success of the model	Luana Rodriquez — Senior Data Analyst
5a	Evaluate the model Execute		Udo Bankole — Director of Data Analysis
6	Communicate final insights with stakeholders Execute		
6a	Not necessary for this project Select PACE stage		

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:

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