Real-Time Taxi Fare Prediction Proposal

Overview:

> The project aims to develop a real-time taxi fare prediction model using historical NYC taxi trip data. The model will be deployed into Automatidata's systems to provide accurate fare estimates for taxi rides. This will improve customer experience and reduce the risk of overcharging.

Milestone	Tasks	Deliverables/Reports	Relevant Stakeholder (Optional Activity)
1	**Establish structure for project workflow (PACE)** Plan	● Global-level project document	
1a	**Write a project proposal** Plan		
2	**Compile summary information about the data** Analyze	Data files ready for EDA	
2a	**Begin exploring the data** Analyze	EDA	
3	**Data exploration and cleaning**	Data cleaning Format data correctly EDA report	

	Plan and Analyze		
3a	**Visualization building** Analyze and Construct	Tableau dashboard/visualizations	
4	**Compute descriptive statistics** Analyze	Analysis of testing results between two important variables Result report	
4a	**Conduct hypothesis testing** Construct and Execute		
5	**Build a regression model** Analyze and Construct	Machine Learning prediction model Training the model	
5a	**Evaluate the model** Construct	Determine the success of the model	
6	**Communicate final insights with stakeholders** Execute	Report to all stakeholders	
6a	**Not necessary for this project**		

Course 1: Foundations of Data Science

	Select PACE stage		