Automated Fares Project Proposal

Overview:

The objective of this project is to create a precise forecast model for predicting the cost of a rider's trip through regression and machine learning techniques. This will provide riders with a fare estimate before they embark on their journey.

Milestone	Tasks	Deliverables/Reports	Relevant Stakeholder (Optional Activity)
1	Establish structure for project workflow (PACE) Plan	Global-level project document Project Proposal	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	Begin initial investigation of the data	Deshawn Washington — Data Analysis Manager
3	Data exploration and cleaning	EDA report Tableau Dashboard and Visualizations	Luana Rodriquez — Senior Data Analyst

	Plan **and** Analyze	Reformatting Check for missing values Identify outliers	
3a	Visualization building Analyze **and** Construct	Tableau dashboard/visualizations	Uli King — Senior Project Manager
4	Compute descriptive statistics Analyze	Analysis of testing results between two critical variables Communicate results of testing	Deshawn Washington — Data Analysis Manager
4a	Conduct hypothesis testing Analyze **and** Construct	Utilize the correct hypothesis test: z-test/t-test/f-test (mean/proportion) and regression model (linear/logistic)	Udo Bankole — Director of Data Analysis
5	Build a regression model Analyze **and** Construct	Review results of testing Determine the success of the model	Luana Rodriquez — Senior Data Analyst
5a	Evaluate the model Execute	Ensure the model performs to expectations and the requirements of the project	Udo Bankole — Director of Data Analysis
6	Communicate final insights with stakeholders	Report to all stakeholders	All applicable

	Execute		
6a	Not necessary for this project Select PACE stage		