



Regression Model for TLC Proposal

Overview:

Build a regression model that predicts taxi cab fares before each ride based on distance, time of day, and any additional variables we find necessary. This model will help them better plan and manage resources and better serve taxi customers with accurate estimates on their trip cost

| Milestone | Tasks | Deliverables/Reports | Relevant Stakeholder (Optional Activity) |
|-----------|---|---|--|
| 1 | Establish structure for project workflow (PACE) Plan | <ul style="list-style-type: none">Global-level project document 1-2 days | 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 2-3 weeks | Luana Rodriguez — Senior Data Analyst |
| 2a | Begin exploring the data Analyze | | Deshawn Washington — Data Analysis Manager |
| 3 | Data exploration and cleaning | EDA report 1 week | Luana Rodriguez — Senior Data Analyst |



Course 1: Foundations of Data Science

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| | Plan and Analyze | | |
| 3a | Visualization building Construct and Analyze | Tableau dashboard/visualizations | Uli King — Senior Project Manager |
| 4 | Compute descriptive statistics Analyze | Analysis of testing results between two important variables Share results of testing 1 week | 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 1-2 weeks | Luana Rodriguez — Senior Data Analyst |
| 5a | Evaluate the model Execute | | Udo Bankole — Director of Data Analysis |
| 6 | Communicate final insights with stakeholders Execute | | |



Course 1: Foundations of Data Science

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| 6a | Not necessary for this project Select PACE stage | | |
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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



Disclaimer:

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