

## NYC Taxi & Limousine project proposal

### Objective:

The aim of this project is to leverage the data collected by the New York City Taxi and Limousine Commission to develop a predictive model for taxi cab fare amounts. By employing data analysis and machine learning techniques, the goal is to create an accurate and reliable system that estimates fare amounts for taxi rides in the New York City area.

### Methodology:

Data collection and preprocessing, feature engineering, model development, optimization and validation, and integration with NYC Taxi system.

Planning and Analyzing stage			
Milestone	Tasks	Outcome/Deliverable	Deadlines
Milestone 1	<ul style="list-style-type: none"><li>Outline project workflow</li><li>Select relevant dataset Write project proposal</li></ul>	Stakeholders updated	Monday, 10
Milestone 2	<ul style="list-style-type: none"><li>Data exploration and cleaning</li><li>Descriptive statistics &amp; visualization</li></ul>	Data ready for modeling	Wednesday, 13
Constructing and Executing stages			
Milestone 3	<ul style="list-style-type: none"><li>Finalize modeling strategy</li><li>Build machine learning model</li><li>Test models for accuracy</li></ul>	<ul style="list-style-type: none"><li>Machine learning model Stakeholders updated</li></ul>	Friday, 15
Milestone 4	<ul style="list-style-type: none"><li>Finalize results</li><li>Share findings with stakeholders Incorporate feedback</li></ul>	<ul style="list-style-type: none"><li>Visualization</li><li>Executive summary Presentation results</li></ul>	Monday, 18