



Project background

Automatidata is consulting for the New York City Taxi and Limousine Commission (TLC). New York City TLC is an agency responsible for licensing and regulating New York City's taxi cabs and for-hire vehicles. The agency has partnered with Automatidata to develop a regression model that helps estimate taxi fares before the ride, based on data that TLC has gathered.

The assignment

The relationship between fare amounts and payment type has been analyzed. The operations manager with New York City TLC is seeking more insight through regression modeling. The team's next milestone is to run a regression model for taxi fares based on variables in the dataset.

The following tasks are needed at this stage of the project:

- Determine the correct modeling approach
- Build a regression model
- Finish checking model assumptions
- Evaluate the model
- Interpret model results and summarize findings for stakeholders within TLC

Specific project deliverables

- Build a regression model in Python
- Report the results in an executive summary