Title Automatidata Project

Subtitle: Linear Regression model

ISSUE / PROBLEM

Taxi fares in New York are not accurately estimated before rides

RESPONSE

Automatidata is consulting for the New York City Taxi and Limousine Commission to accurately estimate taxi prices before rides

improvement_surcharge	total_amount
22699.000000	22699.000000
0.299551	16.310502
0.015673	16.097295
-0.300000	-120.300000
0.300000	8.750000
0.300000	11.800000
0.300000	17.800000
0.300000	1200.290000

trip_distance
22699.000000
2.913313
3.653171
0.000000
0.990000
1.610000
3.060000
33.960000

IMPACT

More accurate estimation of taxi rides which leads to better customer satisfaction and trust in the organisation, potentially leading to better revenue

KEY INSIGHTS

- Negative values found for fare_amount which could be erroneous
- No Null values
- Some trip distance that have the largest amount have low or no travel distance
- Important variable could be trip_distance