# NYC Taxi Trip Duration Analysis

Choose Input Method

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⚪ Enter Values Manually

## Select Row by Index

Enter Row Index

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| | index | vendor_id | passenger_count | pickup_longitude | pickup_latitude | dropoff_longitude | dropoff_latitude | store_and_fwd_flag | trip_distance | trip_catego |
|---|---|---|---|---|---|---|---|---|---|---|
| 6 | 6 | 1 | 4 | -73.969 | 40.7578 | -73.9574 | 40.7659 | 0 | 1.3263 | |

## Dataset Preview

| | index | vendor_id | passenger_count | pickup_longitude | pickup_latitude | dropoff_longitude | dropoff_latitude | store_and_fwd_flag | trip_distance | trip_catego |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0 | 2 | 1 | -73.9822 | 40.7679 | -73.9646 | 40.7656 | 0 | 1.4985 | |
| 1 | 1 | 1 | 1 | -73.9804 | 40.7386 | -73.9995 | 40.7312 | 0 | 1.8055 | |
| 2 | 2 | 2 | 1 | -73.979 | 40.7639 | -74.0053 | 40.7101 | 0 | 6.3851 | |
| 3 | 3 | 2 | 1 | -74.01 | 40.72 | -74.0123 | 40.7067 | 0 | 1.4855 | |
| 4 | 4 | 2 | 1 | -73.9731 | 40.7932 | -73.9729 | 40.7825 | 0 | 1.1886 | |

Predict

## Predicted Trip Durations

Linear Regression: 10876.72 minutes

Decision Tree: 10882.00 minutes

Random Forest: 10882.00 minutes

LightGBM: 10889.25 minutes