# Uber Trip Analysis | Overview Analysis

Trip ID – A unique identifier assigned to each Uber trip. This helps in tracking individual rides.

Pickup Time – The exact date and time when the passenger was picked up. This is useful for analyzing trip trends, peak hours, and total ride duration.

Drop Off Time – The exact date and time when the passenger was dropped off. This can be used to calculate trip duration and analyze trip completion trends.

Trip Distance – The distance covered during the trip. Helps in calculating total trip distances, efficiency analysis, and identifying long or short trips.

Passenger Count – The number of passengers in the trip. Helps in understanding ride-sharing patterns and demand for different vehicle types.

PULocationID (Pickup Location ID) – A numerical code representing the pickup location. This is linked to a location table to get the actual name of the pickup area.

DOLocationID (Drop Off Location ID) – A numerical code representing the drop-off location. This is linked to a location table to get the actual name of the drop area.

Payment Type – The mode of payment used for the trip (e.g., cash, card, wallet). Helps in financial analysis and understanding customer preferences.

Fare Amount – The base fare charged for the trip before additional fees. Helps in understanding trip pricing and revenue.

Surge Fee – The extra charge applied during high demand. Helps in analyzing surge pricing patterns and peak-hour demand.

Vehicle – The type of Uber service used (e.g., UberX, Uber Pool, Uber Black). Helps in understanding service-based demand and customer preferences.

## TABLE – LOCATION TABLE

The Location Table contains a unique LocationID for each area, mapping it to its corresponding Location name and City. This table helps in analyzing trip patterns by identifying the most frequent pickup and drop-off locations. It also supports geographical-based insights and trends in ride demand.

- LocationID – Unique identifier for each location.

- Location – The name of the area associated with the LocationID.

- City – The city where the location exists. Helps in analyzing rides across different cities.