**FEATURE DESCRIPTION(UBER\_PRICE\_PREDECTION)**

1) **fare\_amount**

* **Type:** Numerical
* **Description:** The fare amount is the target variable in this dataset. It represents the total fare in USD charged for the trip.

2) **pickup\_datetime**

* **Type:** Timestamp
* **Description:** The date and time when the passenger was picked up. This feature can be used to extract additional temporal information such as hour of the day, day of the week, month, and whether the pickup was during peak hours.

3) **pickup\_longitude**

* **Type:** Numerical (Float)
* **Description:** The longitude coordinate of the pickup location. This geographical feature, along with pickup\_latitude, helps identify the pickup point on the map.

4) **pickup\_latitude**

* **Type:** Numerical (Float)
* **Description:** The latitude coordinate of the pickup location. Used in conjunction with pickup\_longitude to pinpoint the pickup location.

5) **dropoff\_longitude**

* **Type:** Numerical (Float)
* **Description:** The longitude coordinate of the dropoff location. This geographical feature, along with dropoff\_latitude, helps identify the dropoff point on the map.

6) **dropoff\_latitude**

* **Type:** Numerical (Float)
* **Description:** The latitude coordinate of the dropoff location. Used in conjunction with dropoff\_longitude to pinpoint the dropoff location.

7) **passenger\_count**

* **Type:** Numerical (Integer)
* **Description:** The number of passengers in the car during the trip. This feature can impact fare calculations, as larger groups may have different fare structures or require larger vehicles.

8) **distance\_km**

* **Type:** Numerical (Float)
* **Description:** The distance between the pickup and dropoff locations in kilometers. This feature is derived from the geographical coordinates and is a critical factor in determining the fare.