SQL Queries:

1. TOTAL DISTANCE COVERED:

SELECT cast(SUM(MILES) as decimal (10,2)) AS Total_Distance_Covered

FROM UberDataset_use

	Total_Distance_Covered
1	12204.70

2. AVG DISTANCE COVERED:

SELECT Cast(AVG(MILES) As decimal (10,2)) as Avg_Distance

FROM UberDataset_use

Results | Messages

	Avg_Distance
1	10.57

3. AVG DURATION OF TRIP:

CONVERT(TIME, DATEADD(SECOND, AVG(DATEDIFF(SECOND, '00:00:00', Duration)), 0)) AS avg_time

FROM UberDataset_use;

4. TOTAL NO. OF TRIPS:

SELECT COUNT(*) AS No_of_trip

FROM UberDataset_use

Results | Message

	No_of_trip
1	1155

5. TRIP BASED ON CATEGORY:

SELECT CATEGORY,

COUNT(CATEGORY) AS NO_OF_TRIP,

CONCAT(ROUND(COUNT(CATEGORY) * 100.0 / SUM(COUNT(CATEGORY)) OVER (), 2), '%') AS percentage

FROM UberDataset_use

GROUP BY CATEGORY

ORDER BY NO_OF_TRIP DESC

	CATEGORY	NO_OF_TRIP	percentage
1	Business	1078	93.330000000000%
2	Personal	77	6.670000000000%

For monthly trip category

select CATEGORY, COUNT(CATEGORY) AS NO_OF_TRIP

from UberDataset

where MONTH(START_DATE) = 1

GROUP BY CATEGORY

6.   DISPUTE ON TRIP PURPOSE:

SELECT

  COALESCE(PURPOSE, 'Unknown') AS Purpose_of_trip,

  COUNT(*) AS count,

  CONCAT(ROUND(COUNT(*) * 100.0 / (SELECT COUNT(*) FROM UberDataset_use), 2), '%')
AS percentage

FROM UberDataset_use

GROUP BY COALESCE(PURPOSE, 'Unknown');

	Purpose_of_trip	count	percentage
1	Customer Visit	101	8.740000000000%
2	Temporary Site	50	4.330000000000%
3	Commute	1	0.090000000000%
4	Unknown	502	43.460000000000%
5	Errand/Supplies	128	11.080000000000%
6	Between Offices	18	1.560000000000%
7	Moving	4	0.350000000000%
8	Airport/Travel	3	0.260000000000%
9	Meal/Entertain	160	13.850000000000%
10	Meeting	187	16.190000000000%
11	Charity ($)	1	0.090000000000%

7.   MONTHLY TRIP

SELECT DATENAME(Month, START_DATE) as Trip_month, COUNT(CATEGORY) as total_trip

FROM UberDataset_use
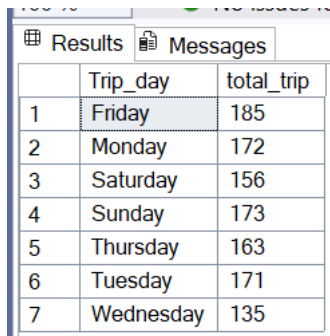
GROUP BY DATENAME(Month, START_DATE)

ORDER BY DATENAME(Month, START_DATE) ASC

8. DAILY TRIP

SELECT DATENAME(DW, START_DATE) as Trip_day, COUNT(CATEGORY) as total_trip

FROM UberDataset_use

GROUP BY DATENAME(DW, START_DATE)

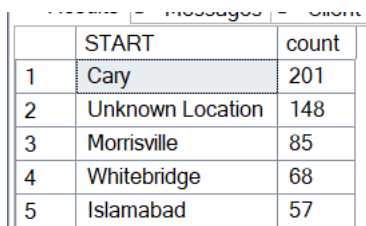|	Trip_day	total_trip
1	Friday	185
2	Monday	172
3	Saturday	156
4	Sunday	173
5	Thursday	163
6	Tuesday	171
7	Wednesday	135

9. TOP 5 STARTING LOCATION:

SELECT TOP 5 START, COUNT(*) AS count

FROM UberDataset_use

GROUP BY START

ORDER BY count DESC

	START	count
1	Cary	201
2	Unknown Location	148
3	Morrisville	85
4	Whitebridge	68
5	Islamabad	57

10. TOP 5 STOPING LOCATION:

SELECT TOP 5 STOP, COUNT(*) AS count

FROM UberDataset_use

GROUP BY STOP

ORDER BY count DESC

	STOP	count
1	Cary	203
2	Unknown Location	149
3	Morrisville	84
4	Whitebridge	65
5	Islamabad	58