Uber Supply Demand Gap Data Analysis

```
select * from [Uber Request Data Cleaned]

--1. Total number of request

SELECT COUNT(*) AS total_request FROM [Uber Request Data Cleaned];
```

total_request

6745

```
--2.Number of completed trips
SELECT COUNT(*) AS completed_trips FROM [Uber Request Data Cleaned] WHERE Status = 'Trip
Completed';
```

completed_trips

2831

```
--3.Number of cancelled trips
SELECT COUNT(*) AS cancelled_trips FROM [Uber Request Data] WHERE Status = 'Cancelled';
```

cancelled_trips

1264

```
--4.Number of no cars available
SELECT COUNT(*) AS no_cars_available FROM [Uber Request Data] WHERE Status = 'no cars
available';
```

no_cars_available

2650

```
--5.Requests by pickup point
SELECT Pickup_point, COUNT(*) AS request_count FROM [Uber Request Data] GROUP BY
Pickup_point;
```

Pickup_point	request_count
City	3507
Airport	3238

```
--6.Status distribution by pickup point
SELECT Pickup_point, Status, COUNT(*) AS Status_count
FROM [Uber Request Data]
```

```
GROUP BY Pickup_point, Status;
```

Pickup_point	Status	Status_count
City	No Cars Available	937
Airport	Trip Completed	1327
City	Trip Completed	1504
City	Cancelled	1066
Airport	Cancelled	198
Airport	No Cars Available	1713

```
--7.Peak Up request Hour
SELECT Request_Hours  AS requst_count
FROM [Uber Request Data]
GROUP BY Request_Hours
ORDER BY requst_count DESC;
```

```
--8.Supply demand gap by pickup point
SELECT Pickup_point,
       SUM(CASE WHEN Status = 'Trip Completed' THEN 1 ELSE 0 END) AS supply,
          COUNT(*) AS demand,
          COUNT(*) - SUM(CASE WHEN Status = 'Trip Completed' THEN 1 ELSE 0 END) AS gap
FROM [Uber Request Data]
GROUP BY Pickup_point;
```

Pickup_point	supply	demand	gap
City	1504	3507	2003
Airport	1327	3238	1911