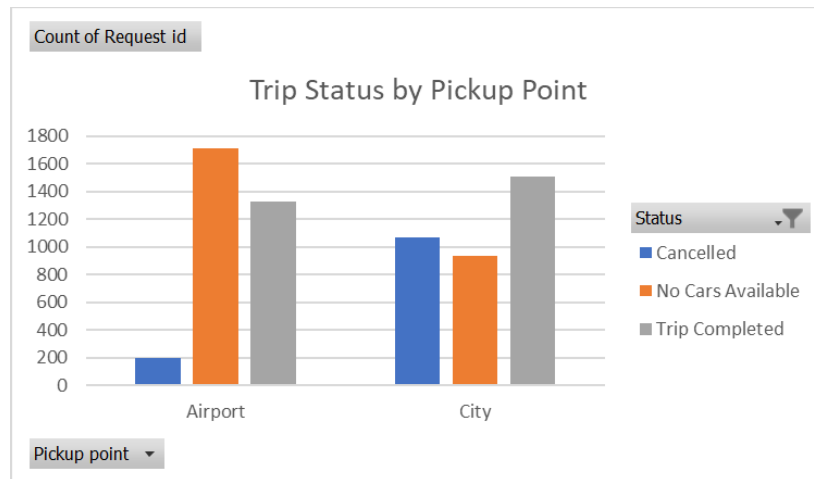


EXCEL PIVOT TABLE INSIGHTS INTO GRAPH INSIGHTS

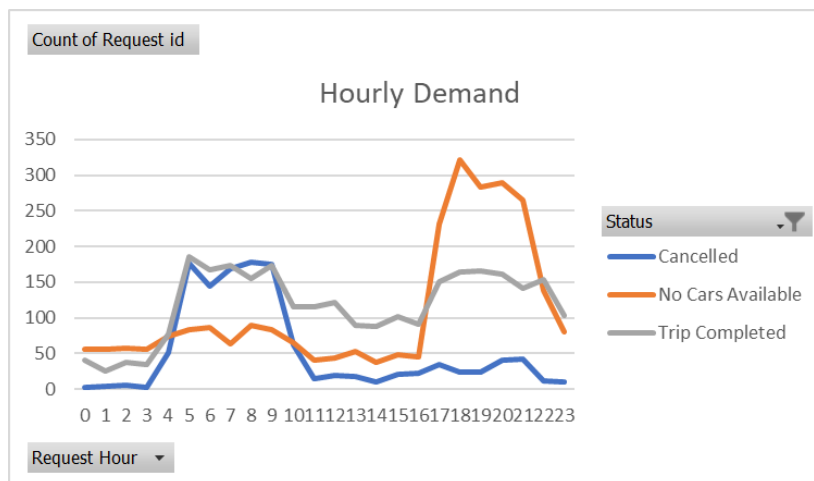
1. Trip Status by Pickup Point

- **Rows:** Pickup point
- **Columns:** Status
- **Values:** Count of Request id



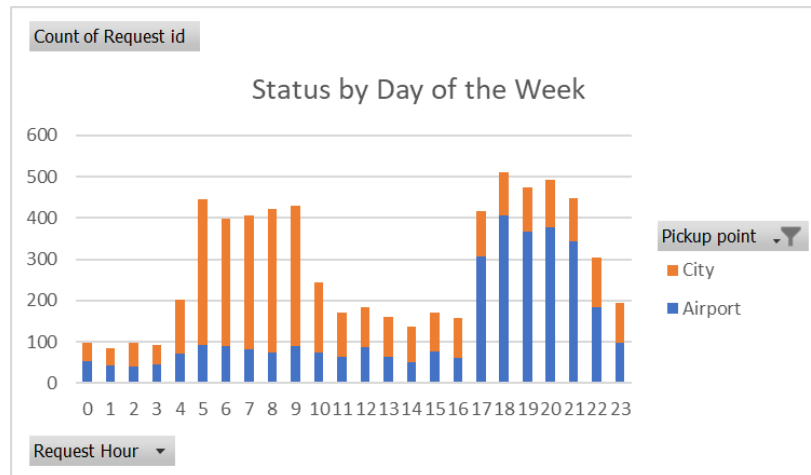
2. Hourly Demand

- **Rows:** Request Hour
- **Values:** Count of Request id



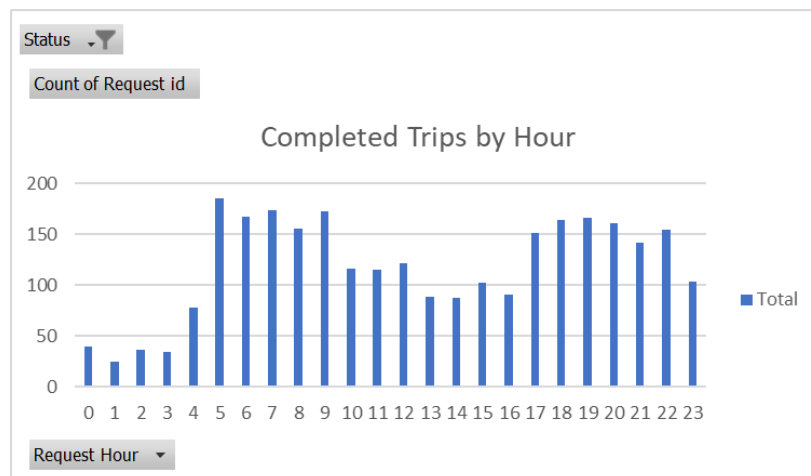
3. Completed Trips by Hour

- Use a **Filter** for Status = Trip Completed
- **Rows:** Request Hour
- **Values:** Count of Request id



4. Status by Day of the Week

- **Rows:** Request Day
- **Columns:** Status
- **Values:** Count of Request id



SQL INSIGHTS IN TABLES

1. Total Number of Requests

```
SELECT COUNT(*) AS total_requests FROM uber_data;
```

```
mysql> SELECT COUNT(*) AS total_requests FROM uber_data;
+-----+
| total_requests |
+-----+
|           13490 |
+-----+
```

2. Request Count by Pickup Point

```
SELECT pickup_point, COUNT(*) AS total_requests
--> FROM uber_data
--> GROUP BY pickup_point;
```

```
mysql> SELECT pickup_point, COUNT(*) AS total_requests
--> FROM uber_data
--> GROUP BY pickup_point;
+-----+-----+
| pickup_point | total_requests |
+-----+-----+
| Airport      |           6476 |
| City         |           7014 |
+-----+-----+
```

3. Request Status Breakdown

```
SELECT status, COUNT(*) AS total
--> FROM uber_data
--> GROUP BY status;
```

```
mysql> SELECT status, COUNT(*) AS total
--> FROM uber_data
--> GROUP BY status;
```

| status | total |
|-------------------|-------|
| Trip Completed | 5662 |
| Cancelled | 2528 |
| No Cars Available | 5300 |

4. Trips That Were Cancelled

```
SELECT * FROM uber_data
--> WHERE status = 'Cancelled'
--> LIMIT 10;
```

```
mysql> SELECT * FROM uber_data
--> WHERE status = 'Cancelled'
--> LIMIT 10;
```

| Request_id | Pickup_point | Driver_id | Status | Request_timestamp | Drop_timestamp | Request_Date | Request_Hour | Drop_Date | Drop_Hour |
|------------|--------------|-----------|-----------|-------------------|----------------|------------------|--------------|-----------|-----------|
| 2985 | City | 1 | Cancelled | 13-07-2016 06:08 | NULL | 13-07-2016 00:00 | 6 | 0 | 0 |
| 4885 | City | 1 | Cancelled | 14-07-2016 17:07 | NULL | 14-07-2016 00:00 | 17 | 0 | 0 |
| 5282 | Airport | 1 | Cancelled | 14-07-2016 20:51 | NULL | 14-07-2016 00:00 | 20 | 0 | 0 |
| 5927 | City | 1 | Cancelled | 15-07-2016 10:12 | NULL | 15-07-2016 00:00 | 10 | 0 | 0 |
| 2347 | Airport | 2 | Cancelled | 12-07-2016 19:14 | NULL | 12-07-2016 00:00 | 19 | 0 | 0 |
| 3886 | Airport | 2 | Cancelled | 13-07-2016 20:57 | NULL | 13-07-2016 00:00 | 20 | 0 | 0 |
| 4451 | City | 2 | Cancelled | 14-07-2016 08:38 | NULL | 14-07-2016 00:00 | 8 | 0 | 0 |
| 5023 | Airport | 2 | Cancelled | 14-07-2016 19:04 | NULL | 14-07-2016 00:00 | 19 | 0 | 0 |
| 80 | City | 3 | Cancelled | 11-07-2016 04:47 | NULL | 11-07-2016 00:00 | 4 | 0 | 0 |
| 534 | City | 3 | Cancelled | 11-07-2016 10:01 | NULL | 11-07-2016 00:00 | 10 | 0 | 0 |

5. Gap Analysis (When Cabs Were Not Available)

```
SELECT pickup_point, COUNT(*) AS no_cab_requests  
--> FROM uber_data  
--> WHERE status = 'No Cars Available'  
--> GROUP BY pickup_point;
```

```
mysql> SELECT pickup_point, COUNT(*) AS no_cab_requests  
-> FROM uber_data  
-> WHERE status = 'No Cars Available'  
-> GROUP BY pickup_point;
```

| pickup_point | no_cab_requests |
|--------------|-----------------|
| City | 1874 |
| Airport | 3426 |