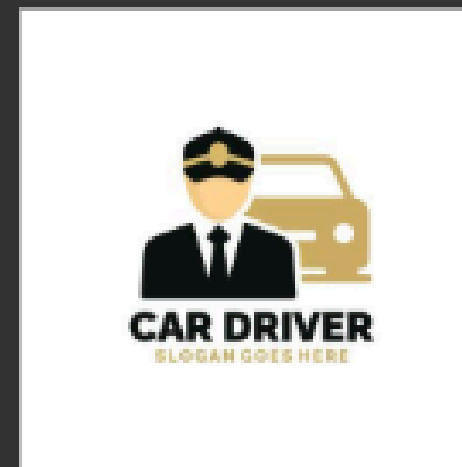




**Trip Analysis
Dashboard**



**Driver Analysis
Dashboard**



**Insights
Dashboard**



6745

*Total_trip request

2831

*Trips_completed

3914

*Unfulfilled_trip_cnt

41.97%

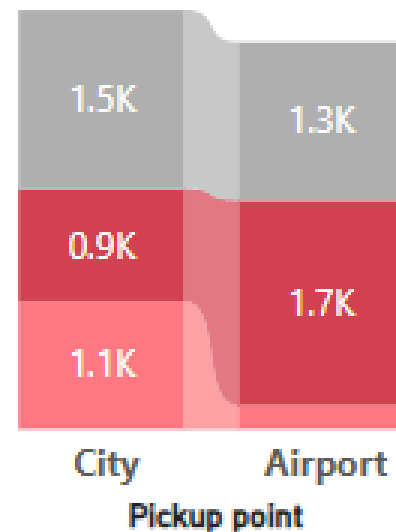
*Trip_completed_ratio

22.12

*Avg_trip_duration_min

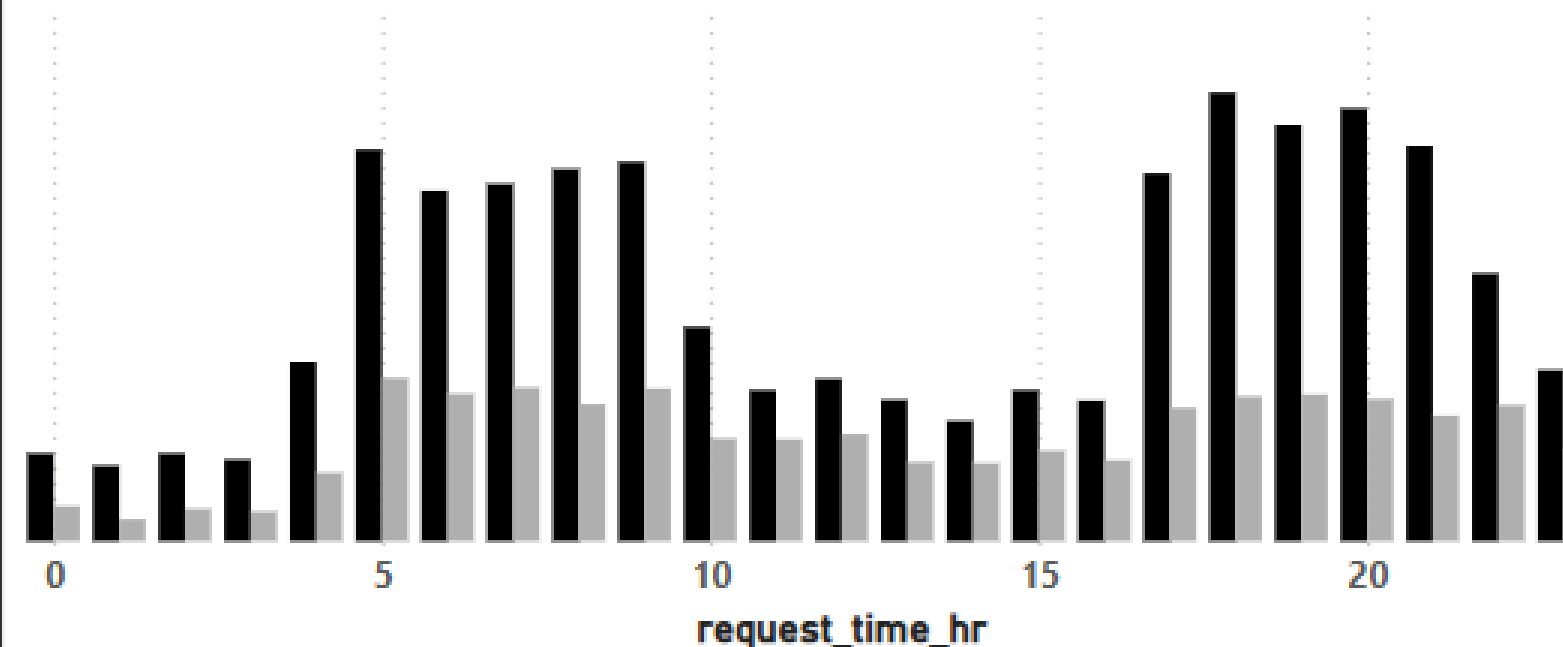
*Total_trip request by Pickup point and Status

Cancelled No Cars Avail... Trip Com...



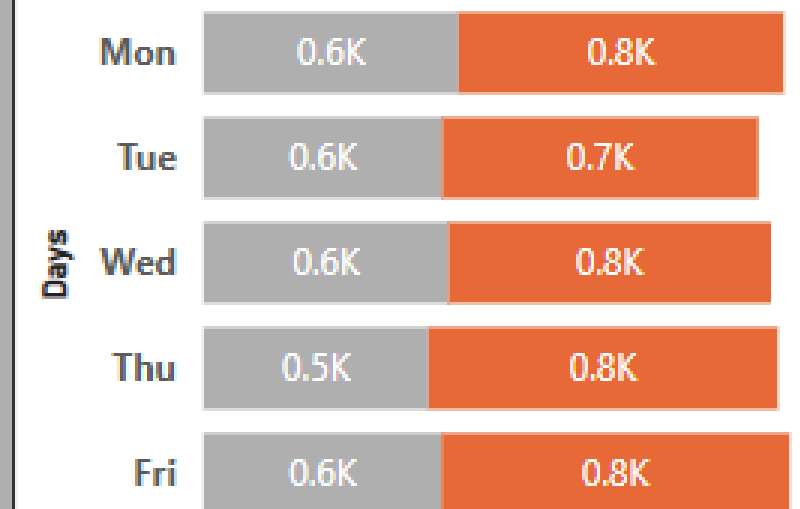
*Total_trip request and *Trips_completed by request_time_hr

*Total_trip request *Trips_completed

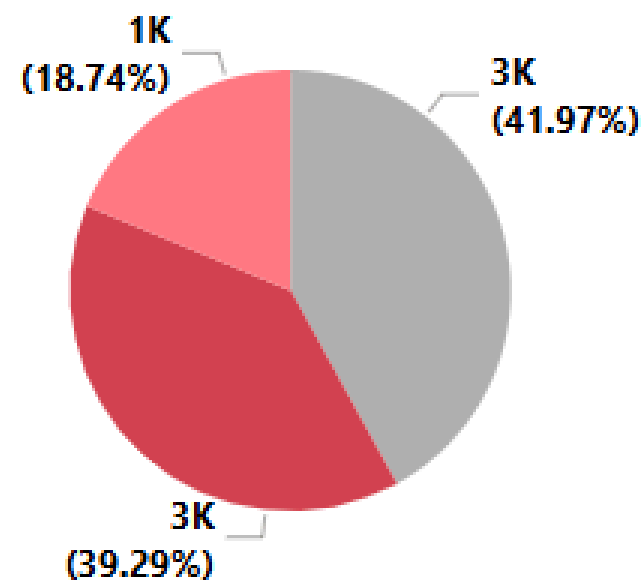


*Trips_completed and *Unfulfilled_trip_cnt by Days

*Trips_completed *Unfulfilled_trip_cnt



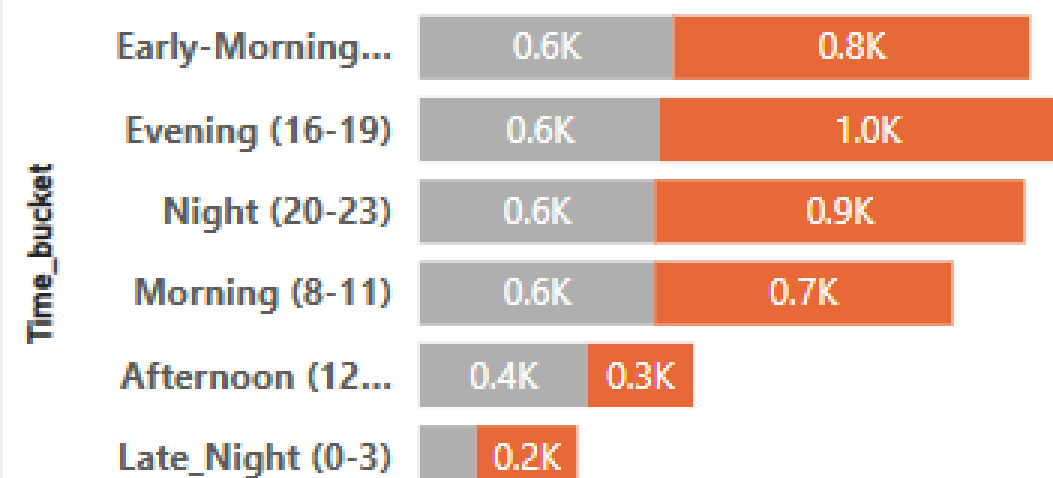
*Total_trip request by Status



Trip Com... No Cars ... Cancelled

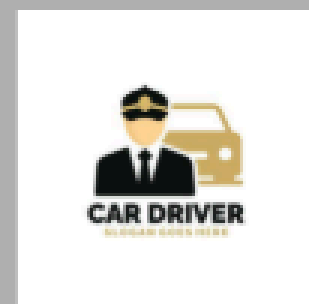
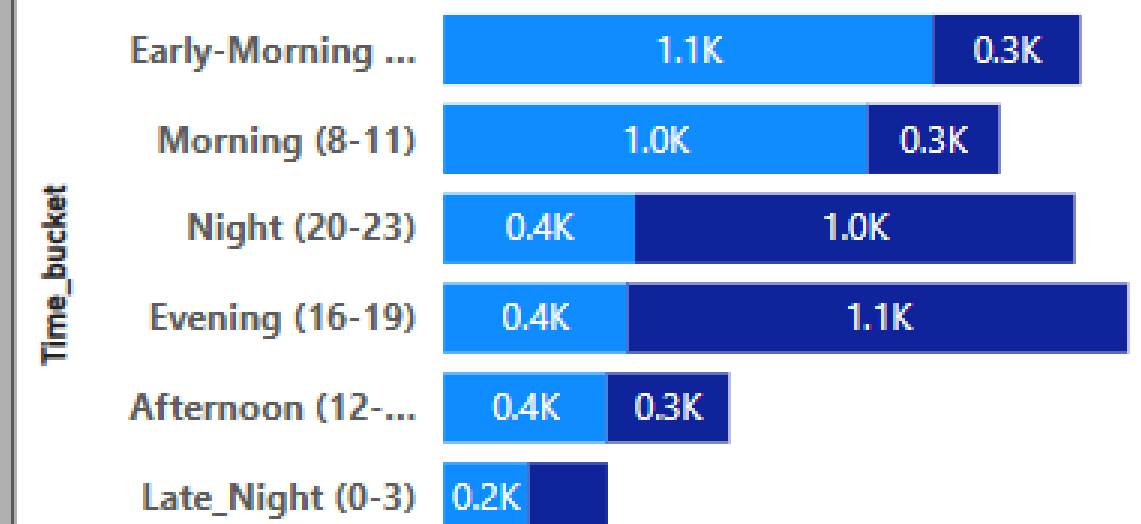
*Trips_completed and *Unfulfilled_trip_cnt by Time_bucket

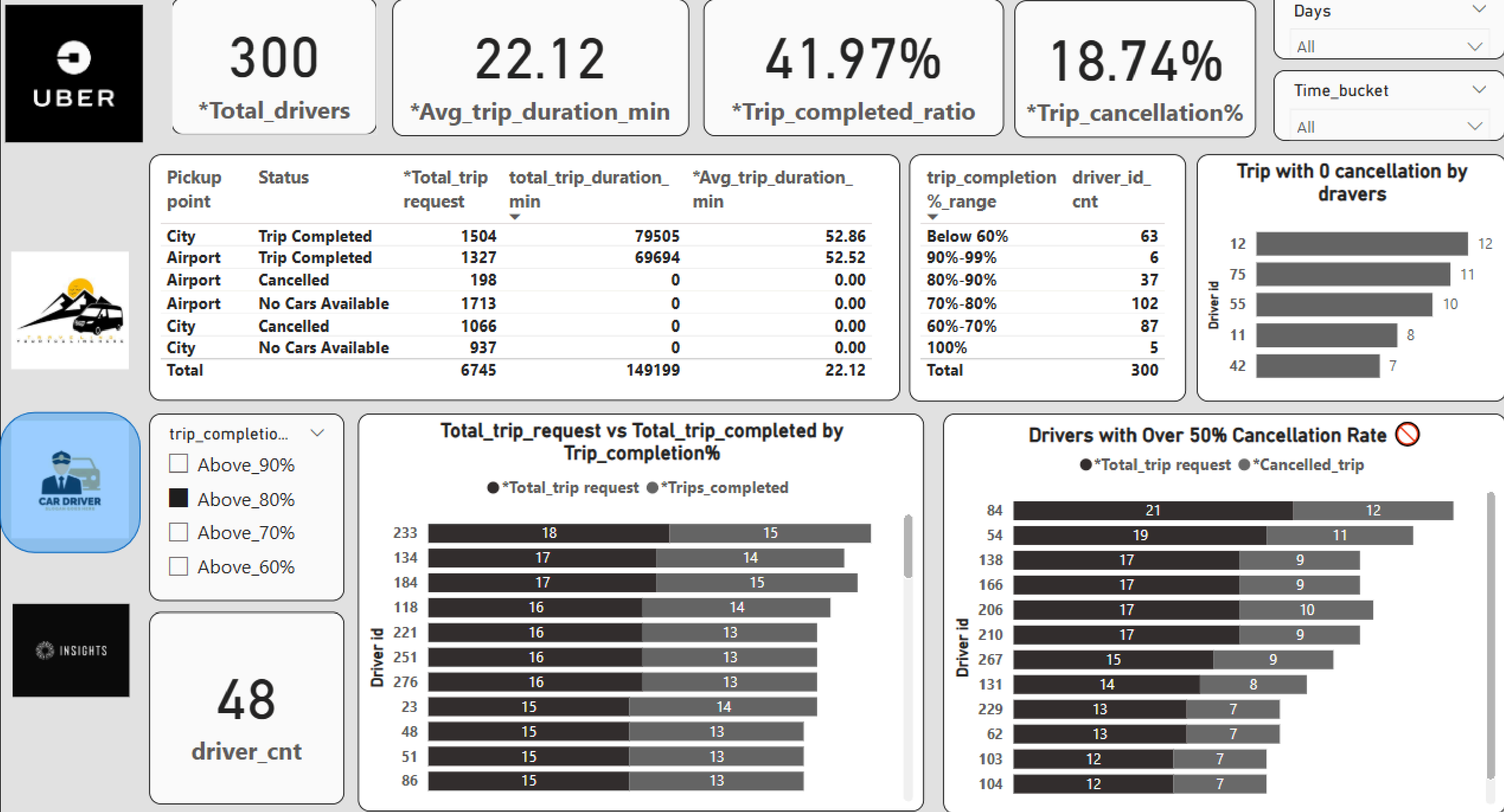
*Trips_completed *Unfulfilled_trip_cnt



City_trip_request and Airport_trip_request by Time_bucket

City_trip_request Airport_trip_request







Insights



Trip Dashboard Insights

1. Only **41.97%** of total trip requests (**6,745**) were successfully completed, indicating a **large operational gap**.
2. **Unfulfilled trips** (3,914) make up **58.03%** of total requests — a combination of **cancellations** (18.74%) and **no cars available** (39.29%).
3. **18:00 to 21:00** is the **most critical time window**, showing the highest trip demand with insufficient supply (i.e., largest demand gap).
4. **City pickup point** leads overall in total trip requests (**3,507**), while **Airport** follows closely (**3,238**) but dominates night-time demand.
5. **Time bucket trends** reveal:
 Early Morning (4–7 AM) sees highest requests from the city.
 Night (8–11 PM) dominates airport requests.
6. **Late Night (0–3 AM)** has the **lowest trip activity**, both in requests and completions — likely due to low driver availability.
7. **Monday** tops in trip completions (**601 trips**), while **Thursday and Friday** see high unfulfilled requests (>820 each).
8. **Average trip duration** is **22.12 minutes**, suggesting short urban rides; this can help optimize driver assignment and fuel usage.
9. **Request-to-completion gap** is consistent across many hours — showing that **supply doesn't scale well with demand spikes**.
10. Pie chart shows **Trip Completed (41.97%)**, **No Cars Available (39.29%)**, and **Cancelled Trips (18.74%)**, reinforcing that **driver availability** is the key bottleneck.

Driver Dashboard Insights

- 1- **300 total drivers**, but **63 drivers** have a **trip completion rate below 60%**, indicating a need for performance reviews or support interventions.
- 2- **18.74% trip cancellation rate** and a high number of **unfulfilled trips** suggest serious availability or commitment issues.
- 3- Only **5 drivers** achieved **100% completion**, while **11 drivers** had **zero cancellations**, showcasing top reliability benchmarks.
- 4- Multiple drivers (e.g., Driver 84, 54, 206) show **over 50% cancellation rate**, requiring immediate attention or reallocation of ride requests.
- 5- **Average trip duration** for city and airport pickups is consistent (~52 mins), reflecting uniform trip patterns across zones.
- 6- The **overall trip completion ratio** is **41.97%**, meaning **less than half** of all trip requests are being successfully fulfilled — a critical efficiency gap.
- 7- **6745 total trip requests** were made, but **3914 trips** remained unfulfilled — that's nearly **58% of demand not met**, pointing to major supply or driver reliability issues.
- 8- **Pickup point analysis** shows **more trip completions in the City (1504)** compared to the Airport (1327), suggesting better supply management