



**OLA ANALYSIS**

**PROJECT**

**BY ARPIT AWASTHI**

## SQL QUERIES:

### **1) Retrieve all successful bookings:**

```
CREATE VIEW successful_bookings AS  
  
SELECT  
  
    *  
  
FROM  
  
    bookings  
  
WHERE  
  
    Booking_Status = 'Success';
```

### **2) Find the average ride distance for each vehicle type:**

```
CREATE VIEW ride_distance_for_each_vehicle AS  
  
SELECT  
  
    Vehicle_Type, ROUND(AVG(Ride_Distance), 2) AS avg_distance  
  
FROM  
  
    bookings  
  
GROUP BY Vehicle_Type  
  
ORDER BY avg_distance DESC;
```

### **3) Get the total number of cancelled rides by customers:**

```
CREATE VIEW total_Cancelled_rides_customers AS  
  
SELECT  
  
    COUNT(*)  
  
FROM  
  
    bookings
```

WHERE

Booking\_Status = 'Canceled by Customer';

**4) List the top 5 customers who booked the highest number of rides:**

CREATE VIEW top\_customers AS

SELECT

bookings.Customer\_ID,

COUNT(bookings.Booking\_ID) AS total\_rides

FROM

bookings

GROUP BY bookings.Customer\_ID

ORDER BY total\_rides DESC

LIMIT 5;

**5) Get the number of rides cancelled by drivers due to personal and car-related issues:**

CREATE VIEW ride\_cancelled\_drivers AS

SELECT

COUNT(\*)

FROM

bookings

WHERE

bookings.Canceled\_Rides\_by\_Driver = 'Personal & Car related issue';

**6) Find the maximum and minimum driver ratings for Prime Sedan bookings:**

CREATE VIEW max\_min\_driver\_rating AS

SELECT

MAX(bookings.Driver\_Ratings) as Max\_Rating, MIN(bookings.Driver\_Ratings) as  
Min\_Rating

```
FROM
    bookings
WHERE
    Vehicle_Type = 'Prime Sedan';
```

**7) Retrieve all rides where payment was made using UPI:**

```
CREATE VIEW UPI_payments AS
SELECT
    *
FROM
    bookings
WHERE
    Payment_Method = 'UPI';
```

**8) Find the average customer rating per vehicle type:**

```
CREATE VIEW customer_rating AS
SELECT
    bookings.Vehicle_Type,
    ROUND(AVG(bookings.Customer_Rating), 2) AS Avg_Rating
FROM
    bookings
GROUP BY Vehicle_Type;
```

**9) Calculate the total booking value of rides completed successfully:**

```
CREATE VIEW total_booking_value AS
SELECT
    SUM(bookings.Booking_Value) AS total_booking_value
FROM
```

bookings

WHERE

bookings.Booking\_Status = 'Success';

**10) List all incomplete rides along with the reason:**

CREATE VIEW Incomplete\_ride\_reason AS

SELECT

bookings.Booking\_ID, bookings.Incomplete\_Rides\_Reason

FROM

bookings

WHERE

bookings.Incomplete\_Rides = 'Yes';

## RETRIEVE ALL ANSWERS:

### 1) Retrieve all successful bookings:

Select \* from Successful\_bookings;

Result Grid	
	COUNT(*)
▶	63967

### 2) Find the average ride distance for each vehicle type:

Select \* from ride\_distance\_for\_each\_vehicle;

Result Grid		Filter Rows:
	Vehicle_Type	avg_distance
▶	Prime Sedan	15.7649
	Bike	15.5331
	Prime SUV	15.2745
	eBike	15.5806
	Mini	15.5101
	Prime Plus	15.4475
	Auto	6.2381

### 3) Get the total number of cancelled rides by customers:

select \* from total\_Cancelled\_rides\_customers;

Result Grid	
	COUNT(*)
▶	10499

4) List the top 5 customers who booked the highest number of rides:

select \* from top\_customers;

Result Grid		Filter Rows
	Customer_ID	total_rides
▶	CID954071	5
	CID539191	4
	CID189965	4
	CID268274	4
	CID952434	4

5) Get the number of rides cancelled by drivers due to personal and car-related issues:

select \* from ride\_cancelled\_drivers;

Result Grid	
	count(*)
▶	6542

6) Find the maximum and minimum driver ratings for Prime Sedan bookings:

select \* from max\_min\_driver\_rating;

Result Grid		Filter Rows:	Export:
	max(bookings.Driver_Ratings)	min(bookings.Driver_Ratings)	
▶	5	0	

7) Retrieve all rides where payment was made using UPI:



select \* from UPI\_payments;

Result Grid		Filter Rows:	Export:	Wrap Cell Contents:	Fetch rows:								
Date	Time	Booking_ID	Booking_Status	Customer_ID	Vehicle_Type	Pickup_Location	Drop_Location	V_TAT	C_TAT	Canceled_Rides_by_Customer	Canceled_Rides_by_Driver	Incomplete_Rides	Incompl
30-07-2024	19:59:00	CNR2982357879	Success	CID270156	Prime SUV	Sahakar Nagar	Varthur	238	130	N/A	N/A	No	N/A
13-07-2024	04:42:00	CNR8787177882	Success	CID802429	Mini	Kadugodi	Vijayanagar	231	90	N/A	N/A	No	N/A
27-07-2024	13:18:00	CNR4524472111	Success	CID540929	Auto	Cox Town	Yelahanka	126	35	N/A	N/A	No	N/A
16-07-2024	09:54:00	CNR8181602032	Success	CID167642	Bike	Indiranagar	MG Road	70	95	N/A	N/A	No	N/A
02-07-2024	10:25:00	CNR8090918544	Success	CID640151	Bike	Magadi Road	HSR Layout	126	95	N/A	N/A	No	N/A
09-07-2024	11:11:00	CNR9975925287	Success	CID162055	Prime SUV	Magadi Road	RT Nagar	42	30	N/A	N/A	No	N/A
19-07-2024	21:18:00	CNR4443921904	Success	CID654618	Mini	Tumkur Road	Koramangala	231	50	N/A	N/A	No	N/A
25-07-2024	03:44:00	CNR7194303296	Success	CID538245	Mini	Mysore Road	Hennur	175	50	N/A	N/A	No	N/A
15-07-2024	17:11:00	CNR6494005067	Success	CID805360	Auto	Yelahanka	Malleshwaram	84	60	N/A	N/A	No	N/A
14-07-2024	05:25:00	CNR7142279862	Success	CID378034	eBike	Yeshwanthpur	JP Nagar	210	45	N/A	N/A	No	N/A
03-07-2024	00:58:00	CNR5176704322	Success	CID296026	Prime Plus	KR Puram	Hennur	287	40	N/A	N/A	Yes	Custom

**8) Find the average customer rating per vehicle type:**

```
select * from customer_rating;
```



Result Grid



Filter Row

	Vehicle_Type	Avg_Rating
▶	Prime Sedan	2.52
	Bike	2.49
	Prime SUV	2.46
	eBike	2.47
	Mini	2.48
	Prime Plus	2.47
	Auto	2.48



**9) Calculate the total booking value of rides completed successfully:**

```
select * from total_booking_value;
```

Result Grid				Filter
	total_booking_value			
▶	35080467			

**10) List all incomplete rides along with the reason:**

```
select * from Incomplete_ride_reason;
```

Result Grid			 Filter Rows:
	Booking_ID	Incomplete_Rides_Reason	
▶	CNR5176704322	Customer Demand	
	CNR9312632867	Vehicle Breakdown	
	CNR7924302885	Customer Demand	
	CNR1640228587	Other Issue	
	CNR7623690602	Other Issue	
	CNR9590311980	Customer Demand	
	CNR5863244684	Customer Demand	
	CNR9526078867	Customer Demand	
	CNR7154043084	Customer Demand	
	CNR3193710797	Other Issue	
	CNR7073850950	Customer Demand	
	CNR9952584604	Customer Demand	
	CNR5433575259	Vehicle Breakdown	
	CNR3575066041	Vehicle Breakdown	
	CNR7537935962	Customer Demand	
	CNR2722435581	Vehicle Breakdown	
	CNR5495479048	Other Issue	
	CNR6585703917	Customer Demand	
	CNR3178581771	Customer Demand	
	CNR7582255360	Vehicle Breakdown	





Overall



Vehicle Type



Revenue



Cancellation



Ratings

Date

01-07-2024



31-07-2024



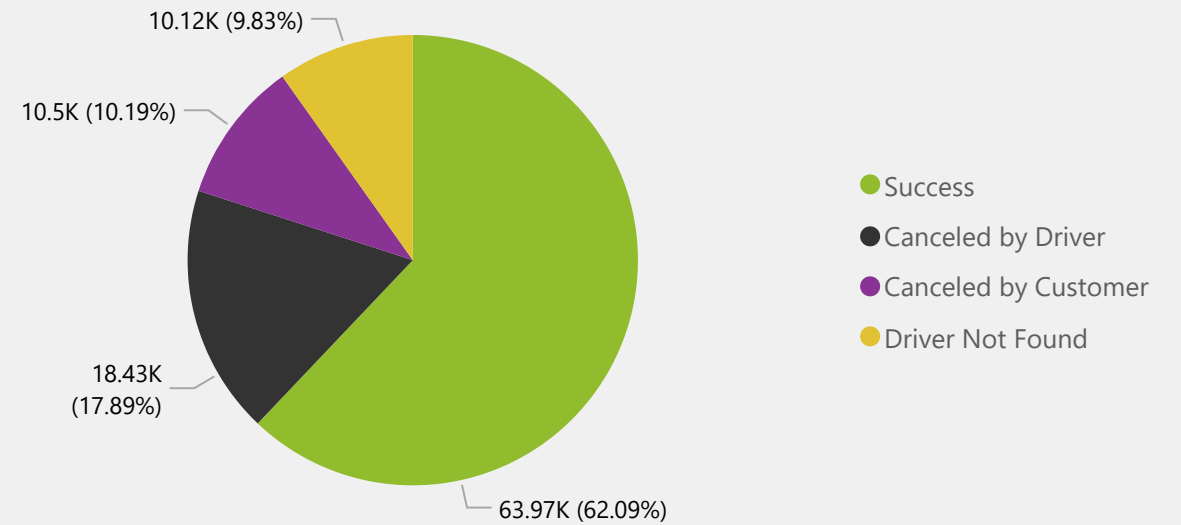
Total Bookings

103024

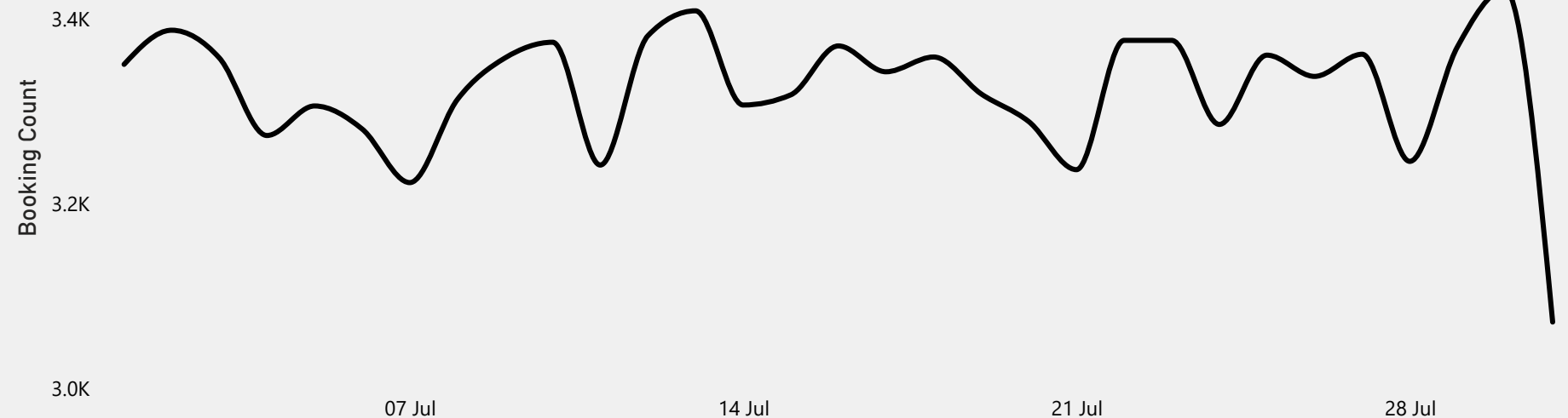
Total Booking Value

35M

Booking Status Breakdown



Ride Volume Over Time





Overall



Vehicle Type



Revenue



Cancellation




Ratings

01-07-2024



31-07-2024



Vehicle Type	Total Booking Value	Success Booking Value	Avg. Distance Travelled	Total Distance Travelled
 Prime Sedan	8.30M	5.22M	25.01	235K
 Prime SUV	7.93M	4.88M	24.88	224K
 Prime Plus	8.05M	5.02M	25.03	227K
 Mini	7.99M	4.89M	24.98	226K
 Auto	8.09M	5.05M	10.04	92K
 Bike	7.99M	4.97M	24.93	228K
 E-Bike	8.18M	5.05M	25.15	231K



Overall



Vehicle Type



Revenue

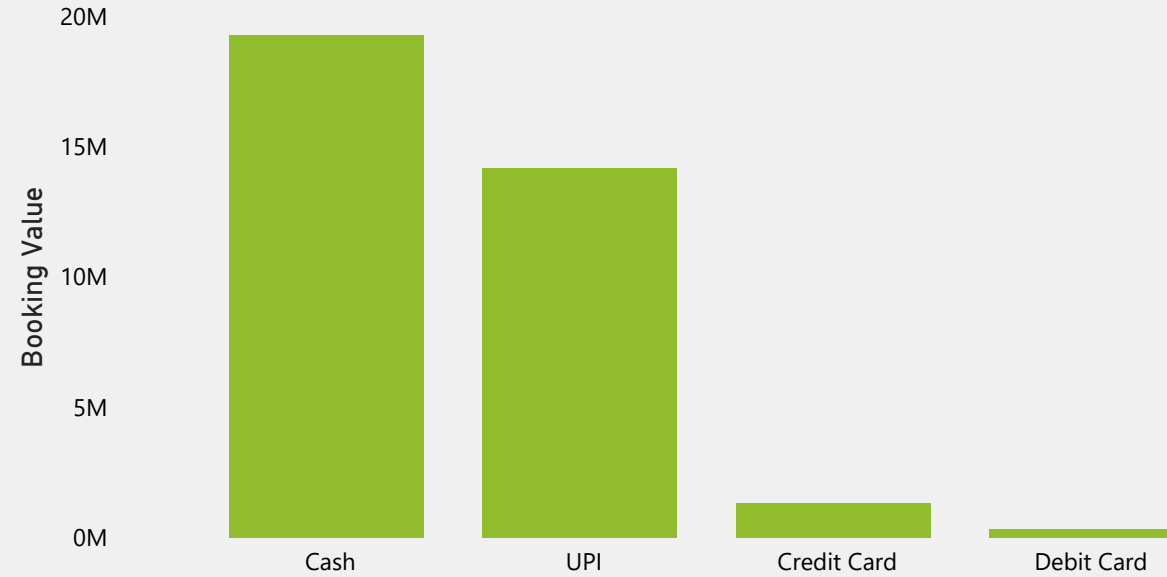


Cancellation



Ratings

Revenue by Payment Method



Date

01-07-2024



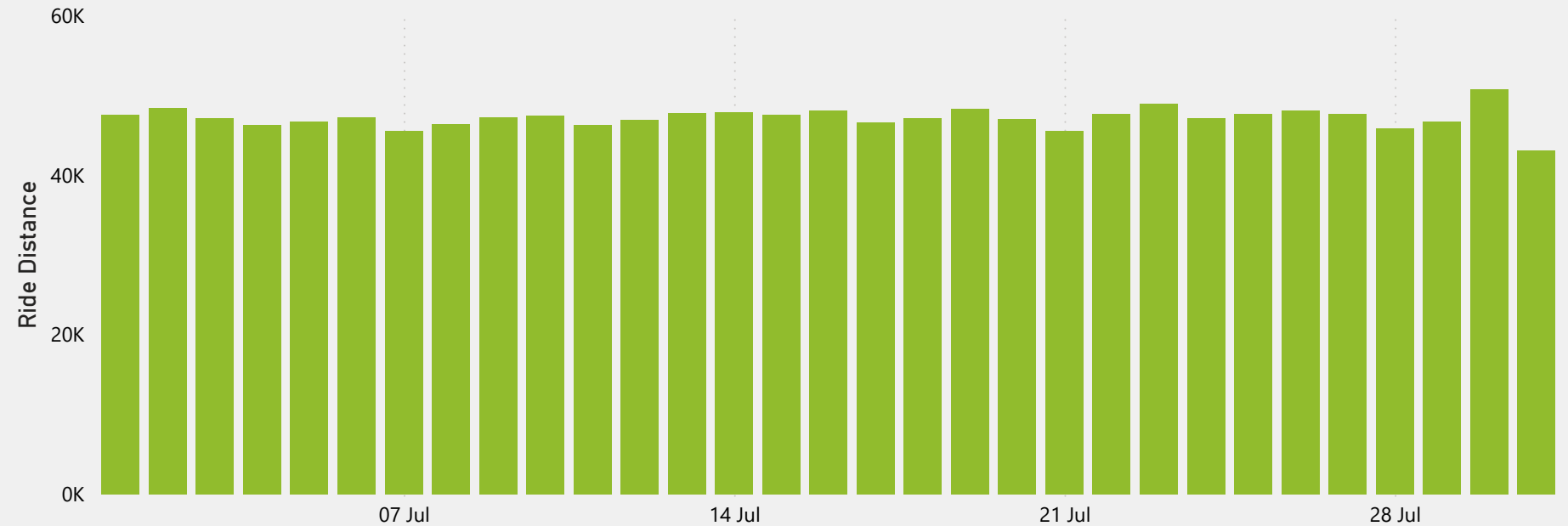
31-07-2024



Top 5 Customers

Customer_ID	Sum of Booking_Value
CID308763	6281
CID353074	6110
CID734557	6177
CID785112	8025
CID836942	6019

Ride Distance Distribution Per Day





Overall



Vehicle Type



Revenue



Cancellation



Ratings

Date

01-07-2024



31-07-2024



Total Bookings

103024

Successful Bookings

63967

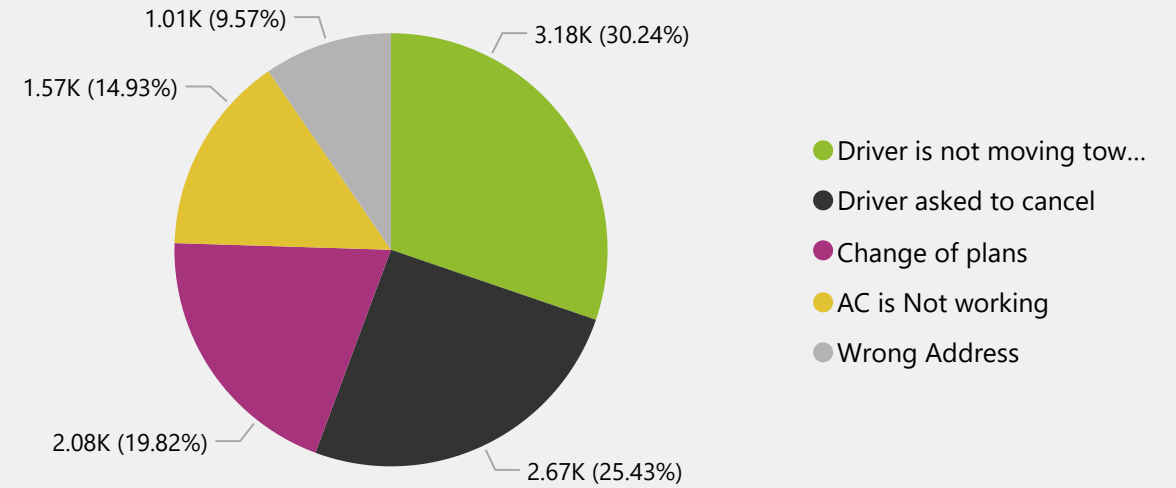
Cancelled Bookings

28933

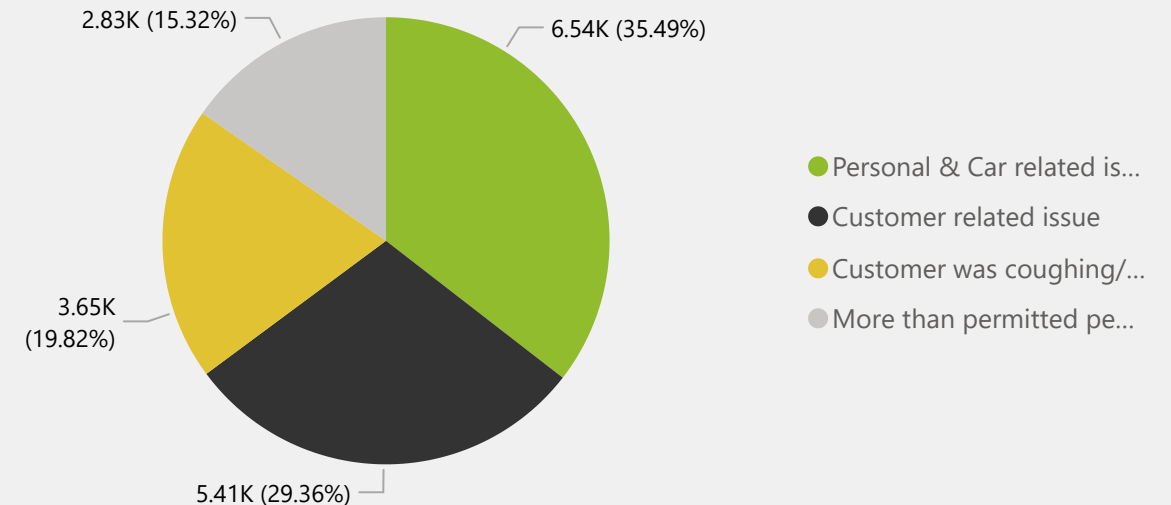
Cancellation Rate

28.08%

Cancelled Rides By Customers



Cancelled Rides By Drivers





Overall



Vehicle Type



Revenue



Cancellation



Ratings

Date

01-07-2024



31-07-2024



## Driver Rating

Prime Sedan	Prime SUV	Prime Plus	Mini	Auto	Bike	E-Bike
3.99	4.01	4.00	3.99	4.00	3.98	4.01

## Customer Rating

Prime Sedan	Prime SUV	Prime Plus	Mini	Auto	Bike	E-Bike
4.00	4.00	4.01	4.00	4.00	3.99	3.99