

Ad Hoc Business Requests

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Problem Statement

GoodCabs, an Indian cab service operating in 10 tier-2 cities, aims to help local drivers earn a sustainable living while providing high-quality service to customers. The company is performing well and seeks to improve further by analyzing key metrics.

GoodCabs requires quick insights into key performance metrics to support adhoc decision-making and drive improvements in their service and operations.



Cities of Operation

Chandigarh

Visakhapatnam

Surat

Indore

Vadodara

Jaipur

Mysore

Coimbatore

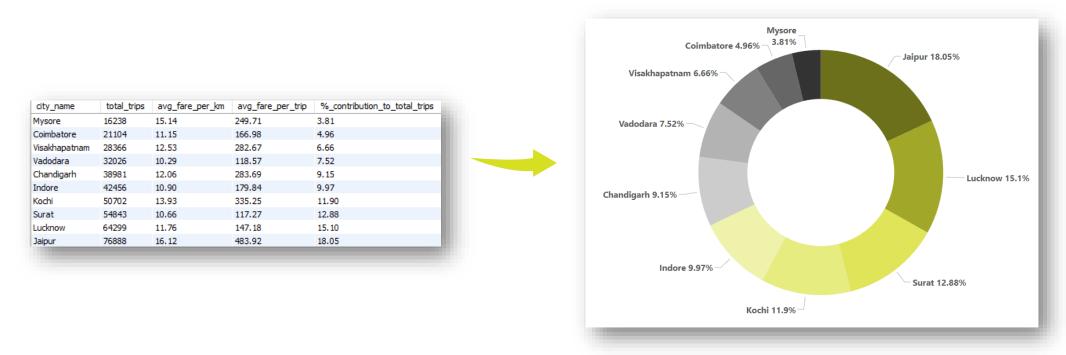
Kochi

Lucknow



Business Request - 1: City-Level Fare and Trip Summary Report

Generate a report showing total trips, average fare per km, average fare per trip, and each city's percentage contribution to total trips, to evaluate trip volume, pricing efficiency, and city contributions.



- Jaipur (18.05%) and Lucknow (15.10%) have the largest contributions to the total number of trips among all cities.
- 2. Mysore has a relatively high fare per km (₹15.14) and average fare per trip (₹249.71), indicating premium pricing, but its low trip volume suggests potential for growth by increasing demand while maintaining its fare structure.



Business Request - 2: Monthly City-Level Trips Target Performance Report

Create a report comparing actual vs target trips at the city and month level, categorize performance, and calculate the percentage difference with a summary label



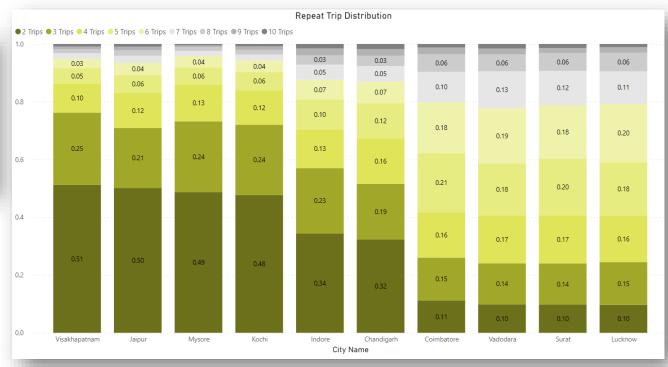
- Mysore and Jaipur consistently exceeded targets, with Mysore reaching a high of 33.40% in February and Jaipur at 22.09% in February
- 2. Lucknow, Kochi, and Vadodara consistently underperformed, with Lucknow hitting a low of -16.48% in January, Kochi at -28.90% in June, and Vadodara at -27.92% in June.



Business Request - 3: City-Level Repeat Passenger Trip Frequency Report

Generate a report showing the percentage distribution of repeat passengers in each city by the number of trips taken (2 to 10 trips). This will provide insights into customer loyalty and usage patterns across cities.

city_name	2-Trips	3-Trips	4-Trips	5-Trips	6-Trips	7-Trips	8-Trips	9-Trips	10-Trips
Chandigarh	32.31	19.25	15.74	12.21	7.42	5.48	3.47	2.33	1.79
Coimbatore	11.21	14.82	15.56	20.62	17.64	10.47	6.15	2.31	1.22
Indore	34.34	22.69	13.40	10.34	6.85	5.24	3.26	2.38	1.51
Jaipur	50.14	20.73	12.12	6.29	4.13	2.52	1.90	1.20	0.97
Kochi	47.67	24.35	11.81	6.48	3.91	2.11	1.65	1.21	0.81
Lucknow	9.66	14.77	16.20	18.42	20.18	11.33	6.43	1.91	1.10
Mysore	48.75	24.44	12.73	5.82	4.06	1.76	1.42	0.54	0.47
Surat	9.76	14.26	16.55	19.75	18.45	11.89	6.24	1.74	1.35
Vadodara	9.87	14.17	16.52	18.06	19.08	12.86	5.78	2.05	1.61
Visakhapatnam	51.25	24.96	9.98	5.44	3.19	1.98	1.39	0.88	0.92



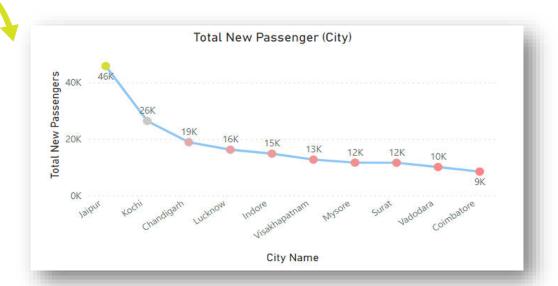
- 1. Cities like **Visakhapatnam, Jaipur, Mysore, and Kochi** show high percentages of customers taking only 2-3 repeat trips, indicating lower loyalty, suggesting the need for discounts or loyalty programs to boost customer retention.
- 2. Cities like **Coimbatore**, **Vadodara**, **Surat**, **and Lucknow** show strong loyalty with repeat trips up to 6, indicating satisfied customers; offering exclusive rewards or VIP programs can further strengthen retention.



Business Request - 4: Identify Cities with Highest and Lowest Total New Passengers

Generate a report that ranks cities by total new passengers, highlighting the top 3 and bottom 3 cities.

city_name	total_new_passengers	city_category
Jaipur	45856	Top 3
Kochi	26416	Top 3
Chandigarh	18908	Top 3
Lucknow	16260	Average
Indore	14863	Average
Visakhapatnam	12747	Average
Mysore	11681	Average
Surat	11626	Bottom 3
Vadodara	10127	Bottom 3
Coimbatore	8514	Bottom 3



Insights

Surat: Despite a high total passenger count, most are repeat customers, indicating a need to attract more new passengers

Jaipur and Kochi: These cities show strong growth in new passengers, highlighting successful customer acquisition strategies.



Business Request - 5: Identify Month with Highest Revenue for Each City

Generate a report identifying the month with the highest revenue for each city, showing the month, revenue amount, and its percentage contribution to total revenue.



February, **April**, and **May** are key revenue-driving months for most cities, likely influenced by seasonal trends and events during these periods.



Business Request - 6: Repeat Passenger Rate Analysis

Calculate the **monthly repeat passenger rate** and **city-wide repeat passenger rate** for each city to analyze monthly trends and overall repeat passenger behavior

Repeat Passenger Rate (Month Vs Total)

city name	month nac	total assessment		monthly report present	sib. sanaat aassanaat-
city_name	month_name	total_passengers	repeat_passengers	monthly_repeat_passenger_rate	
Jaipur	January	11845	1422	12.01	17.43
	January	2214	392	17.71	23.05
Lucknow	January	4896	1431	29.23	37.12
	June	2702	802	29.68	28.61
Chandigarh	June	3297	867	26.30	21.14
Surat	June	3030	1490	49.17	42.63
Vadodara	June	1807	703	38.90	30.03
Mysore	June	2203	329	14.93	11.23
Kochi	June	4060	1049	25.84	22.40
Indore	June	3152	1131	35.88	32.68
Jaipur	June	6956	1181	16.98	17.43
Coimbatore	June	1628	402	24.69	23.05
Lucknow	June	3698	1727	46.70	37.12
Visakhapatnam	March	3093	923	29.84	28.61
	March	4100	872	21.27	21.14
_	March	3440	1494	43.43	42.63
	March	2522	759	30.10	30.03

Cities like **Surat** and **Lucknow** show consistently high repeat passenger rates across months, indicating strong customer loyalty. In contrast, cities like **Mysore** and **Jaipur** exhibit lower repeat rates, suggesting potential opportunities for improving customer retention strategies.



Summary Insights

1. Top Contributors:

• Jaipur (18.05%) and Lucknow (15.10%) lead in total trips, indicating strong city performance.

2. 2. Growth Potential in Mysore:

High fare structure, but low trip volume presents an opportunity for growth.

3. Underperformance (Actual Vs Target):

• Lucknow, Kochi, and Vadodara showed consistent underperformance, needing improvement strategies.

4. Repeat Trip Patterns:

• Cities like **Chandigarh**, **Jaipur**, and **Mysore** show lower customer loyalty, suggesting a need for loyalty programs.

5. Revenue Months:

• February, April, and May are key revenue months, influenced by seasonal trends.