ad hoc request 1 | ad hoc request 2 | ad hoc request 3 | ad hoc request 4 | ad hoc request 5 | ad hoc request 6

City-Level fare and Trip summary report

Generate a report that displays the total trips, average fare per km, avg fare per trip and percentage contribution of each city's trip to the overall trips. this report will help in assessing trip volume, pricing effeciency and each city's contribution to the overall trip count

months

- [ ] April
- [ ] February
- [ ] January
- [ ] June
- [ ] March
- [ ] May

city_name	Total_trips	avg_fare_amount	avg__dis_km	%contribution
Jaipur	76888	483.76	16.11	18.05
Lucknow	64299	147.17	11.76	15.10
Surat	54843	117.28	10.66	12.88
Kochi	50702	335.36	13.94	11.90
Indore	42456	179.88	10.90	9.97
Chandigarh	38981	283.69	12.06	9.15
Vadodara	32026	118.59	10.29	7.52
Visakhapatnam	28366	282.67	12.53	6.66
Coimbatore	21104	167.00	11.15	4.96
Mysore	16238	249.69	15.14	3.81

month_name
All

city_name
All

Monthly city level trips target performance report

Generate a report that evaluate the target performance for trips at the monthly and city level. Compare the actual total trip with target trips and categories the performance as if actual trip are greater than the target trip the "Above target " else "Below target

target performance for trips at the monthly level.

month	Total_trips	Targets	percentage_diff	performance
April	71335	70500	1.18	exceeds target
February	75379	72500	3.97	exceeds target
January	70462	72500	-2.81	missed the target
June	62505	70500	-11.34	missed the target
March	73679	72500	1.63	exceeds target
May	72543	70500	2.90	exceeds target

target performance for trips at the City level.

city_name	total_trips	targets	percentage_diff	performance
Coimbatore	21104	21000	0.50	exceeds target
Jaipur	76888	67500	13.91	exceeds target
Kochi	50702	49500	2.43	exceeds target
Mysore	16238	13500	20.28	exceeds target
Chandigarh	38981	39000	-0.05	missed the target
Indore	42456	43500	-2.40	missed the target
Lucknow	64299	72000	-10.70	missed the target
Surat	54843	57000	-3.78	missed the target
Vadodara	32026	37500	-14.60	missed the target
Visakhapatnam	28366	28500	-0.47	missed the target

summary

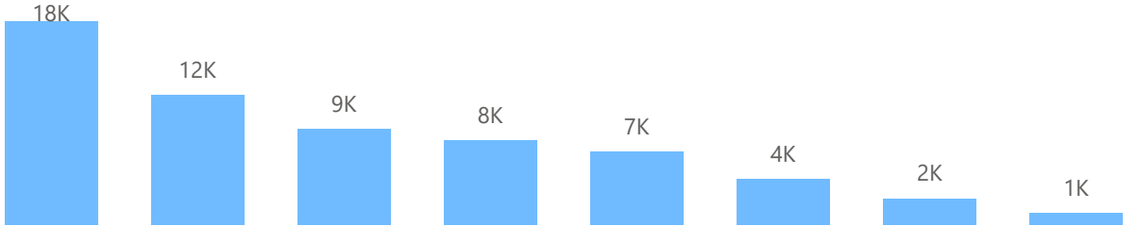
city_name	month_name	total_trips	targets	percentage_diff	performance
Chandigarh	February	7387	7000	5.53	exceeds target
Chandigarh	June	6029	6000	0.48	exceeds target
Chandigarh	May	6620	6000	10.33	exceeds target
Chandigarh	April	5566	6000	-7.23	missed the target
Chandigarh	January	6810	7000	-2.71	missed the target
Chandigarh	March	6569	7000	-6.16	missed the target
Coimbatore	April	3661	3500	4.60	exceeds target
Coimbatore	January	3651	3500	4.31	exceeds target
Coimbatore	March	3680	3500	5.14	exceeds target
Coimbatore	May	3550	3500	1.43	exceeds target
Coimbatore	February	3404	3500	-2.74	missed the target
Coimbatore	June	3158	3500	-9.77	missed the target
Indore	February	7210	7000	3.00	exceeds target
Indore	March	7019	7000	0.27	exceeds target
Indore	May	7787	7500	3.83	exceeds target
Indore	April	7415	7500	-1.13	missed the target
Indore	January	6737	7000	-3.76	missed the target
Indore	June	6288	7500	-16.16	missed the target
Jaipur	April	11406	9500	20.06	exceeds target
Jaipur	February	15872	13000	22.09	exceeds target
Jaipur	January	14976	13000	15.20	exceeds target

City-Level Repeat passenger trip frequency report

Calculate the percentage of repeat passengers who took 2 trip, 3 trip and so on , up to 10trips

months

- [ ] April
- [ ] February
- [ ] January
- [ ] June
- [ ] March
- [ ] May

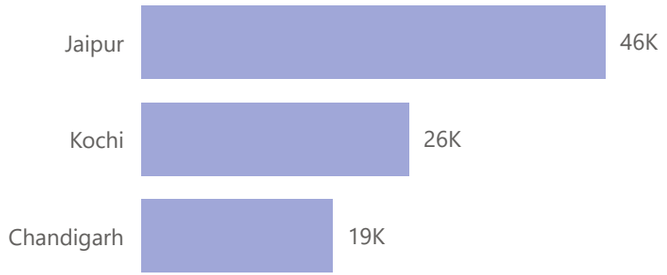


city_name	10-Trips	2-Trips	3-Trips	4-Trips	5-Trips	6-Trips	7-Trips	8-Trips	9-Trips
Chandigarh	1.79	32.31	19.25	15.74	12.21	7.42	5.48	3.47	2.33
Coimbatore	1.22	11.21	14.82	15.56	20.62	17.64	10.47	6.15	2.31
Indore	1.51	34.34	22.69	13.40	10.34	6.85	5.24	3.26	2.38
Jaipur	0.97	50.14	20.73	12.12	6.29	4.13	2.52	1.90	1.20
Kochi	0.81	47.67	24.35	11.81	6.48	3.91	2.11	1.65	1.21
Lucknow	1.10	9.66	14.77	16.20	18.42	20.18	11.33	6.43	1.91
Mysore	0.47	48.75	24.44	12.73	5.82	4.06	1.76	1.42	0.54
Surat	1.35	9.76	14.26	16.55	19.75	18.45	11.89	6.24	1.74
Vadodara	1.61	9.87	14.17	16.52	18.06	19.07	12.86	5.78	2.05
Visakhapatnam	0.92	51.25	24.96	9.98	5.44	3.19	1.98	1.39	0.88

Identify cities with Highest and Lowest Total new passengers

Generate a report that calculate the total new passengers for each city and rank them based on this value. identify the top 3 cities with the highest number of new passengers as well as the bottom 3 cities with lowest number of new passenger , categorising them as top 3 and bottom e accordingly

top 3 cities with new passengers



Bottom 3 cities with New passengers

ranks	city_name	new_passengers	rank_category
1	Jaipur	45856	top 3
2	Kochi	26416	top 3
3	Chandigarh	18908	top 3
4	Lucknow	16260	other
5	Indore	14863	other
6	Visakhapatnam	12747	other
7	Mysore	11681	other
8	Surat	11626	bottom 3
9	Vadodara	10127	bottom 3
10	Coimbatore	8514	bottom 3

Identify month with Highest Revenue for each city

Generate a reprot that identifies that month with the highest revenye for each city . for each city , display month_name , the revenue amount for that month and the percentage contribution of that months revenue to cities total revenue

city_name	months	max_rev_month	percontibution
Chandigarh	February	2108290	19.07
Coimbatore	April	612431	17.38
Indore	May	1380996	18.09
Jaipur	February	7747202	20.82
Kochi	May	3333746	19.61
Lucknow	February	1777269	18.78
Mysore	May	745170	18.38
Surat	April	1154909	17.96
Vadodara	April	706250	18.60
Visakhapatnam	April	1390682	17.34

Repeat Passenger Rate Analysis

Generate a report that identifies Repeat passenger rate by Month level and city level

city_name

- [ ] Chandigarh
- [ ] Coimbatore
- [ ] Indore
- [ ] Jaipur
- [ ] Kochi
- [ ] Lucknow
- [ ] Mysore
- [ ] Surat
- [ ] Vadodara
- [ ] Visakhapatnam

monthname

- [ ] April
- [ ] February
- [ ] January
- [ ] June
- [ ] March
- [ ] May

city_name	monthname	total_passengers	Total repeat_passengers	frequency repeat pass
Chandigarh	April	3285	789	24.02
Chandigarh	February	4957	853	17.21
Chandigarh	January	4640	720	15.52
Chandigarh	June	3297	867	26.30
Chandigarh	March	4100	872	21.27
Chandigarh	May	3699	969	26.20
Coimbatore	April	1722	480	27.87
Coimbatore	February	1993	346	17.36
Coimbatore	January	2214	392	17.71
Coimbatore	June	1628	402	24.69
Coimbatore	March	1965	427	21.73
Coimbatore	May	1543	504	32.66
Indore	April	3646	1295	35.52
Indore	February	3981	1103	27.71
Indore	January	3876	1033	26.65
Indore	June	3152	1131	35.88
Indore	March	3833	1091	28.46
Indore	May	3591	1563	43.53
Jaipur	April	7856	1736	22.10
Jaipur	February	12450	1661	13.34
Jaipur	January	11845	1422	12.01
Jaipur	June	6956	1181	16.98
Jaipur	March	9257	1840	19.88
Jaipur	May	7174	1842	25.68
Kochi	April	6515	1576	24.19