Case study on cab Data set

- Image wise analysis of the given cab data set
- Starting off with the first image shows that compared to other cities the average driver cancellation % is almost the same while the trip size is less and average estimated time is way more.
- That's why the average customer cancellation % is more in every 4 hour window.
- The 2nd image shows the Average driver and customer cancellation respectively along with the average demand for every zone in every 4 hour window.
- The 3rd image shows the average fulfillment % for the total no. of the requests received in every city, for every four hours window and the fulfillment % remains the same in every city for the total requests received.
- The 4th and the important image shows that the trip time is less. But ETA is more, Demand is less compared to other cities in all 4 hour windows. But the prices are high, which means proper calculation of ETA and reducing prices will surely resolve the issue of more customer cancellations in every zone at Hyderabad.
- Fifth and final image shows the Zone wise and the 4 hour window wise data of Hyderabad city in which we can clearly see the same price for both high demand, low demand zones and hours respectively and that's why customers are choosing against the high prices in low demand areas.

❖ CONCLUSION: Reduction of ETA as every trip size is less and reducing the price structure for low demand areas will help in preventing the customer cancellation count in every zone and at every four hour window in Hyderabad.

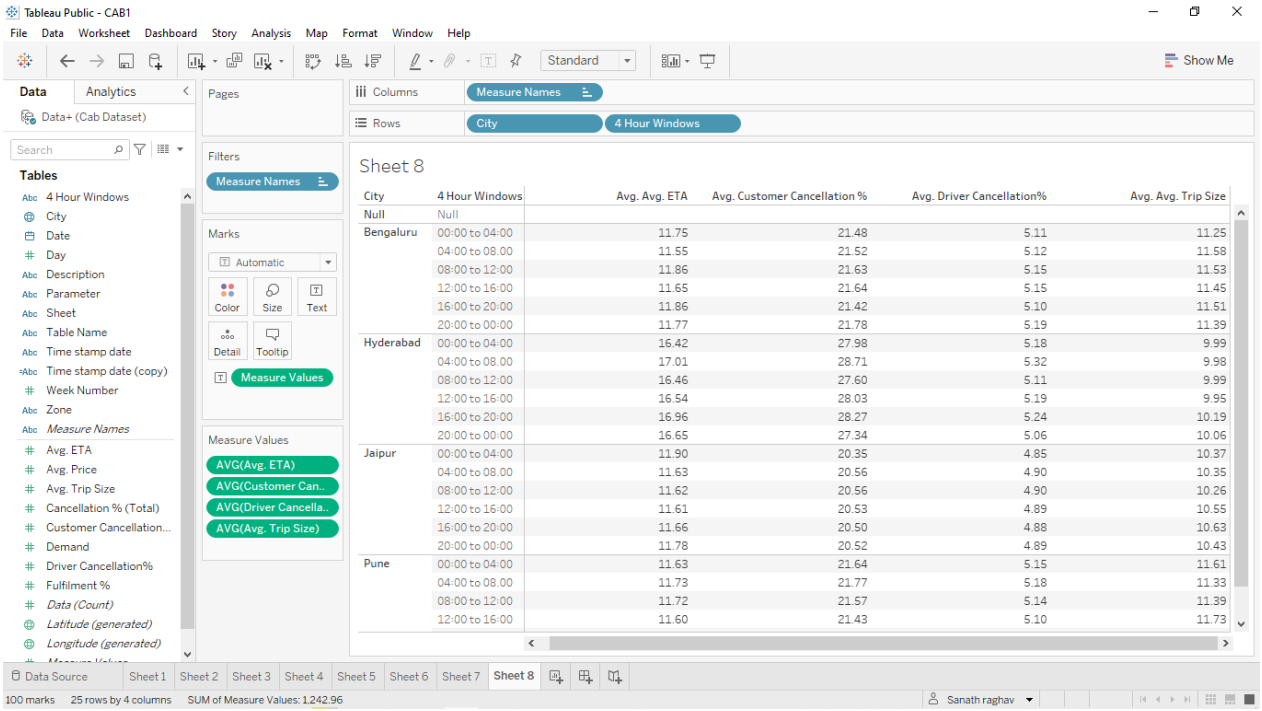
Tableau Public - CAB1
File Data Worksheet Dashboard Story Analysis Map Format Window Help
Standard
Show Me
Data Analytics
Data+ (Cab Dataset)
Search
Tables
4 Hour Windows
City
Date
Day
Description
Parameter
Sheet
Table Name
Time stamp date
Time stamp date (copy)
Week Number
Zone
Measure Names
Avg. ETA
Avg. Price
Avg. Trip Size
Cancellation % (Total)
Customer Cancellation...
Demand
Driver Cancellation%
Fulfilment %
Data (Count)
Latitude (generated)
Longitude (generated)
Pages
Filters
Measure Names
Marks
Automatic
Color
Size
Text
Detail
Tooltip
Measure Values
Measure Values
AVG(Avg. ETA)
AVG(Customer Can..
AVG(Driver Cancella..
AVG(Avg. Trip Size)
Columns
Measure Names
Rows
City
4 Hour Windows
Sheet 8
City 4 Hour Windows Avg. Avg. ETA Avg. Customer Cancellation % Avg. Driver Cancellation% Avg. Avg. Trip Size
Null Null
Bengaluru 00:00 to 04:00 11.75 21.48 5.11 11.25
04:00 to 08:00 11.55 21.52 5.12 11.58
08:00 to 12:00 11.86 21.63 5.15 11.53
12:00 to 16:00 11.65 21.64 5.15 11.45
16:00 to 20:00 11.86 21.42 5.10 11.51
20:00 to 00:00 11.77 21.78 5.19 11.39
Hyderabad 00:00 to 04:00 16.42 27.98 5.18 9.99
04:00 to 08:00 17.01 28.71 5.32 9.98
08:00 to 12:00 16.46 27.60 5.11 9.99
12:00 to 16:00 16.54 28.03 5.19 9.95
16:00 to 20:00 16.96 28.27 5.24 10.19
20:00 to 00:00 16.65 27.34 5.06 10.06
Jaipur 00:00 to 04:00 11.90 20.35 4.85 10.37
04:00 to 08:00 11.63 20.56 4.90 10.35
08:00 to 12:00 11.62 20.56 4.90 10.26
12:00 to 16:00 11.61 20.53 4.89 10.55
16:00 to 20:00 11.66 20.50 4.88 10.63
20:00 to 00:00 11.78 20.52 4.89 10.43
Pune 00:00 to 04:00 11.63 21.64 5.15 11.61
04:00 to 08:00 11.73 21.77 5.18 11.33
08:00 to 12:00 11.72 21.57 5.14 11.39
12:00 to 16:00 11.60 21.43 5.10 11.73
Data Source
Sheet 1 Sheet 2 Sheet 3 Sheet 4 Sheet 5 Sheet 6 Sheet 7 Sheet 8
100 marks 25 rows by 4 columns SUM of Measure Values: 1,242.96
Sanath raghav

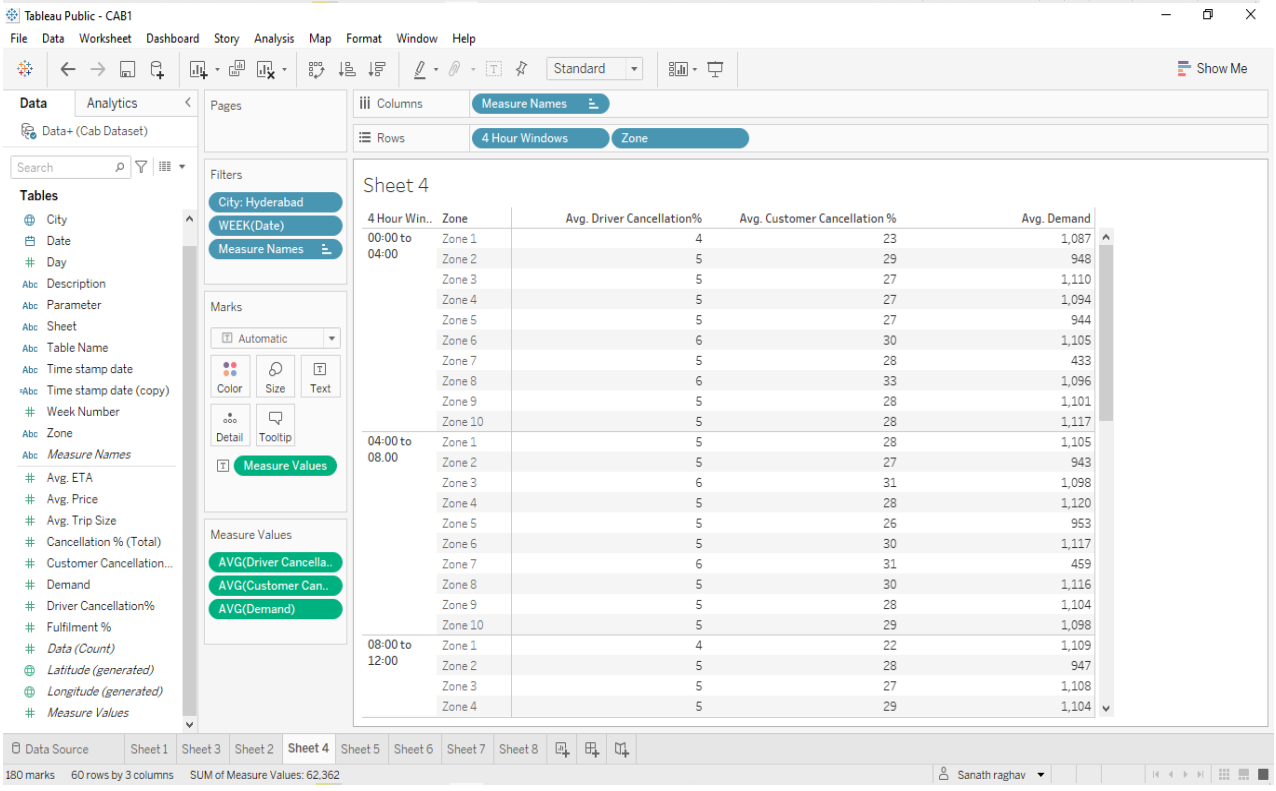
Tableau Public - CAB1
File Data Worksheet Dashboard Story Analysis Map Format Window Help
Standard
Show Me
Data Analytics
Data+ (Cab Dataset)
Search
Tables
City
Date
Day
Description
Parameter
Sheet
Table Name
Time stamp date
Time stamp date (copy)
Week Number
Zone
Measure Names
Avg. ETA
Avg. Price
Avg. Trip Size
Cancellation % (Total)
Customer Cancellation...
Demand
Driver Cancellation%
Fulfilment %
Data (Count)
Latitude (generated)
Longitude (generated)
Measure Values
Pages
Filters
City: Hyderabad
WEEK(Date)
Measure Names
Marks
Automatic
Color
Size
Text
Detail
Tooltip
Measure Values
Measure Values
AVG(Driver Cancella..
AVG(Customer Can..
AVG(Demand)
Columns
Measure Names
Rows
4 Hour Windows
Zone
Sheet 4
4 Hour Win.. Zone Avg. Driver Cancellation% Avg. Customer Cancellation % Avg. Demand
00:00 to 04:00 Zone 1 4 23 1,087
Zone 2 5 29 948
Zone 3 5 27 1,110
Zone 4 5 27 1,094
Zone 5 5 27 944
Zone 6 6 30 1,105
Zone 7 5 28 433
Zone 8 6 33 1,096
Zone 9 5 28 1,101
Zone 10 5 28 1,117
04:00 to 08:00 Zone 1 5 28 1,105
Zone 2 5 27 943
Zone 3 6 31 1,098
Zone 4 5 28 1,120
Zone 5 5 26 953
Zone 6 5 30 1,117
Zone 7 6 31 459
Zone 8 5 30 1,116
Zone 9 5 28 1,104
Zone 10 5 29 1,098
08:00 to 12:00 Zone 1 4 22 1,109
Zone 2 5 28 947
Zone 3 5 27 1,108
Zone 4 5 29 1,104
Data Source
Sheet 1 Sheet 3 Sheet 2 Sheet 4 Sheet 5 Sheet 6 Sheet 7 Sheet 8
180 marks 60 rows by 3 columns SUM of Measure Values: 62,362
Sanath raghav

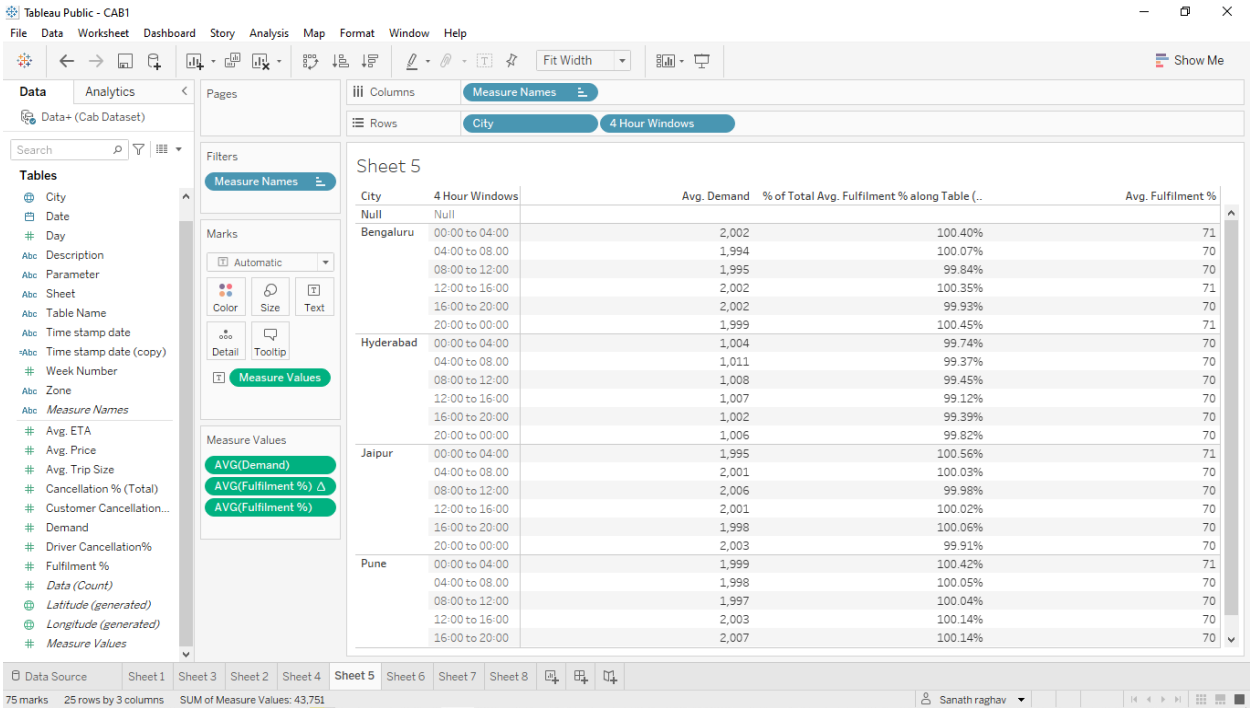
Tableau Public - CAB1
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Fit Width
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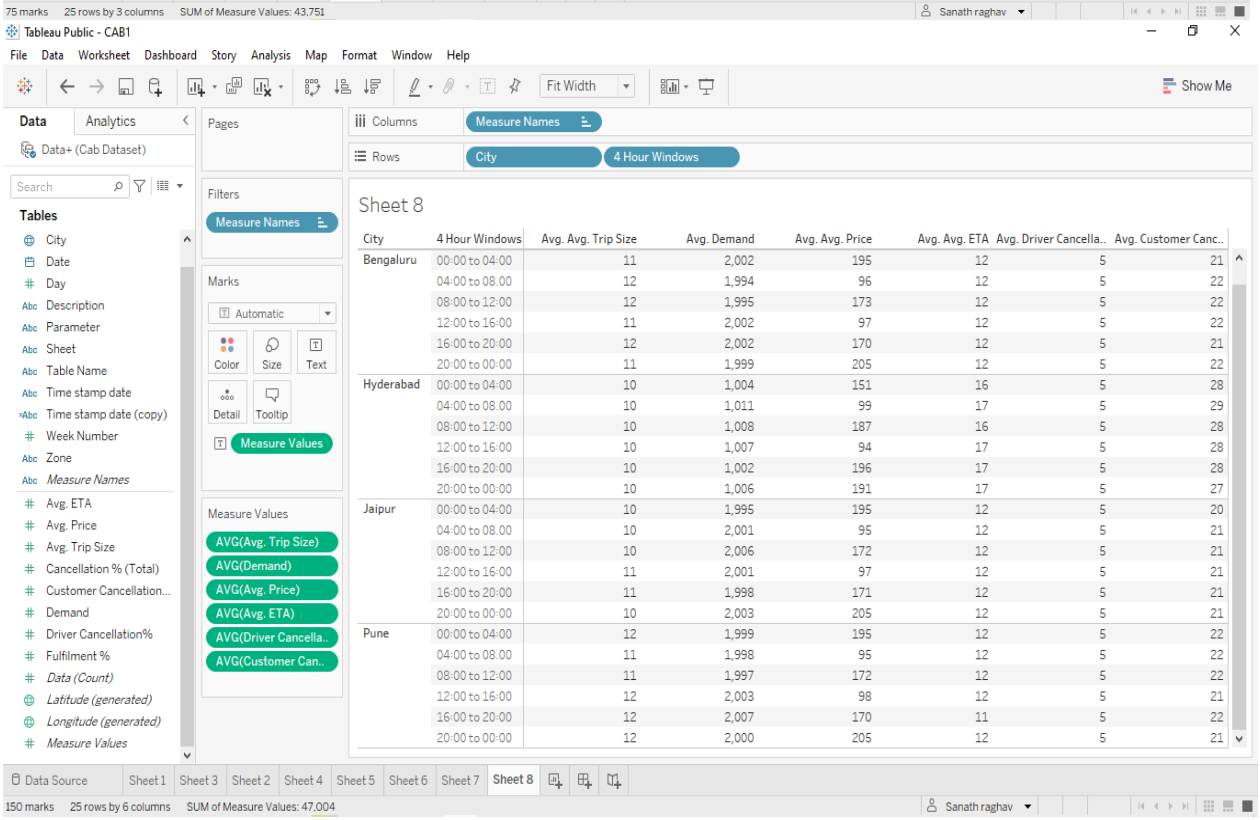
Data Analytics
Data+ (Cab Dataset)
Search
Tables
City
Date
Day
Description
Parameter
Sheet
Table Name
Time stamp date
Time stamp date (copy)
Week Number
Zone
Measure Names
Avg. ETA
Avg. Price
Avg. Trip Size
Cancellation % (Total)
Customer Cancellation...
Demand
Driver Cancellation%
Fulfilment %
Data (Count)
Latitude (generated)
Longitude (generated)
Measure Values
Pages
Filters
Measure Names
Marks
Automatic
Color
Size
Text
Detail
Tooltip
Measure Values
Measure Values
AVG(Demand)
AVG(Fulfilment %)
AVG(Fulfilment %)
Columns
Measure Names
Rows
City
4 Hour Windows
Sheet 5
City
4 Hour Windows
Avg. Demand
% of Total Avg. Fulfilment % along Table (..
Avg. Fulfilment %
Null
Null
Bengaluru
00:00 to 04:00 2,002 100.40% 71
04:00 to 08:00 1,994 100.07% 70
08:00 to 12:00 1,995 99.84% 70
12:00 to 16:00 2,002 100.35% 71
16:00 to 20:00 2,002 99.93% 70
20:00 to 00:00 1,999 100.45% 71
Hyderabad
00:00 to 04:00 1,004 99.74% 70
04:00 to 08:00 1,011 99.37% 70
08:00 to 12:00 1,008 99.45% 70
12:00 to 16:00 1,007 99.12% 70
16:00 to 20:00 1,002 99.39% 70
20:00 to 00:00 1,006 99.82% 70
Jaipur
00:00 to 04:00 1,995 100.56% 71
04:00 to 08:00 2,001 100.03% 70
08:00 to 12:00 2,006 99.98% 70
12:00 to 16:00 2,001 100.02% 70
16:00 to 20:00 1,998 100.06% 70
20:00 to 00:00 2,003 99.91% 70
Pune
00:00 to 04:00 1,999 100.42% 71
04:00 to 08:00 1,998 100.05% 70
08:00 to 12:00 1,997 100.04% 70
12:00 to 16:00 2,003 100.14% 70
16:00 to 20:00 2,007 100.14% 70
Data Source
Sheet 1
Sheet 3
Sheet 2
Sheet 4
Sheet 5
Sheet 6
Sheet 7
Sheet 8
75 marks
25 rows by 3 columns
SUM of Measure Values: 43,751
Sanath raghav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Time stamp date (copy)
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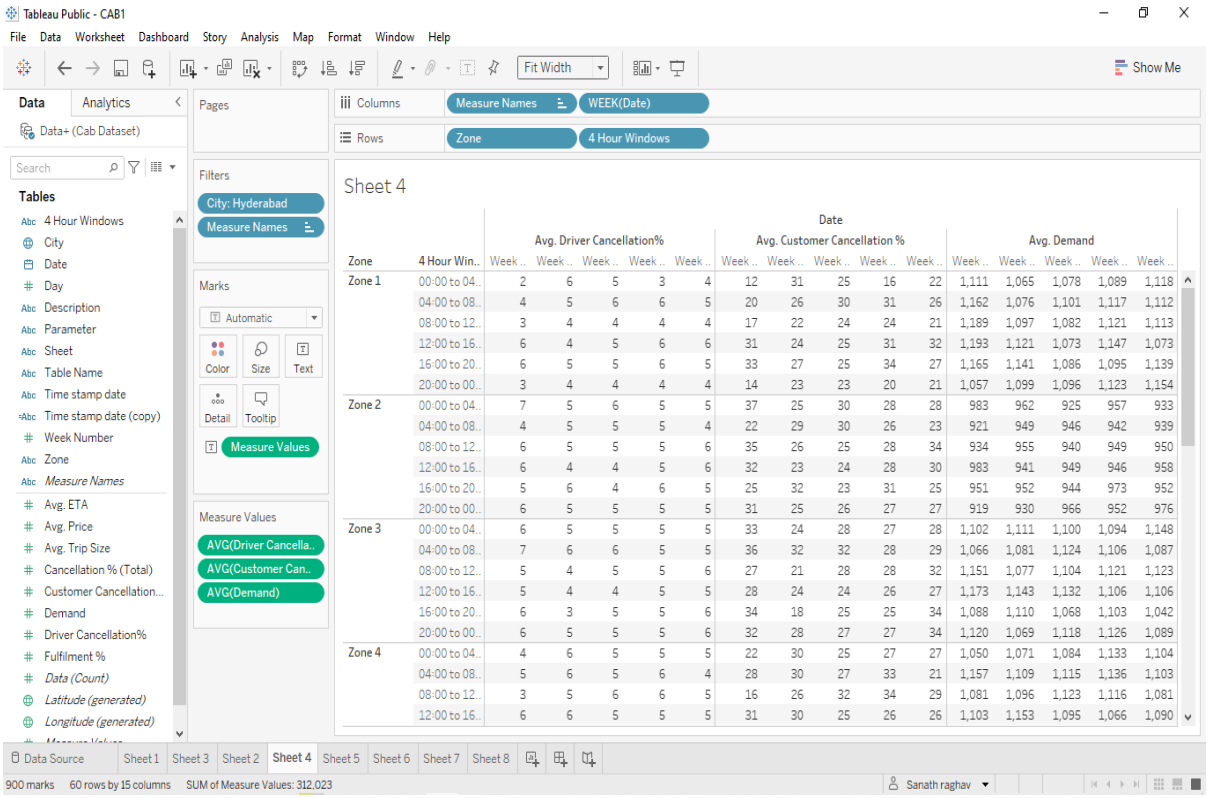
Zone
Measure Names
Avg. ETA
Avg. Price
Avg. Trip Size
Cancellation % (Total)
Customer Cancellation...
Demand
Driver Cancellation%
Fulfilment %
Data (Count)
Latitude (generated)
Longitude (generated)
Measure Values
Pages
Filters
Measure Names
Marks
Automatic
Color
Size
Text
Detail
Tooltip
Measure Values
Measure Values
AVG(Avg. Trip Size)
AVG(Demand)
AVG(Avg. Price)
AVG(Avg. ETA)
AVG(Driver Cancella..
AVG(Customer Can..
Columns
Measure Names
Rows
City
4 Hour Windows
Sheet 8
City
4 Hour Windows
Avg. Avg. Trip Size
Avg. Demand
Avg. Avg. Price
Avg. Avg. ETA
Avg. Driver Cancella..
Avg. Customer Canc..
Bengaluru
00:00 to 04:00 11 2,002 195 12 5 21
04:00 to 08:00 12 1,994 96 12 5 22
08:00 to 12:00 12 1,995 173 12 5 22
12:00 to 16:00 11 2,002 97 12 5 22
16:00 to 20:00 12 2,002 170 12 5 21
20:00 to 00:00 11 1,999 205 12 5 22
Hyderabad
00:00 to 04:00 10 1,004 151 16 5 28
04:00 to 08:00 10 1,011 99 17 5 29
08:00 to 12:00 10 1,008 187 16 5 28
12:00 to 16:00 10 1,007 94 17 5 28
16:00 to 20:00 10 1,002 196 17 5 28
20:00 to 00:00 10 1,006 191 17 5 27
Jaipur
00:00 to 04:00 10 1,995 195 12 5 20
04:00 to 08:00 10 2,001 95 12 5 21
08:00 to 12:00 10 2,006 172 12 5 21
12:00 to 16:00 11 2,001 97 12 5 21
16:00 to 20:00 11 1,998 171 12 5 21
20:00 to 00:00 10 2,003 205 12 5 21
Pune
00:00 to 04:00 12 1,999 195 12 5 22
04:00 to 08:00 11 1,998 95 12 5 22
08:00 to 12:00 11 1,997 172 12 5 22
12:00 to 16:00 12 2,003 98 12 5 21
16:00 to 20:00 12 2,007 170 11 5 22
20:00 to 00:00 12 2,000 205 12 5 21
Data Source
Sheet 1
Sheet 3
Sheet 2
Sheet 4
Sheet 5
Sheet 6
Sheet 7
Sheet 8
150 marks
25 rows by 6 columns
SUM of Measure Values: 47,004
Sanath raghav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Data+ (Cab Dataset)
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Date
Day
Description
Parameter
Sheet
Table Name
Time stamp date
Time stamp date (copy)
Week Number
Zone
Measure Names
Avg. ETA
Avg. Price
Avg. Trip Size
Cancellation % (Total)
Customer Cancellation...
Demand
Driver Cancellation%
Fulfilment %
Data (Count)
Latitude (generated)
Longitude (generated)
Pages
Filters
City: Hyderabad
Measure Names
Marks
Automatic
Color
Size
Text
Detail
Tooltip
Measure Values
Measure Values
AVG(Driver Cancella..
AVG(Customer Can..
AVG(Demand)
Columns
Measure Names
WEEK(Date)
Rows
Zone
4 Hour Windows
Sheet 4
Date
Avg. Driver Cancellation%
Avg. Customer Cancellation %
Avg. Demand
Zone
4 Hour Win..
Week ..
Zone 1 00:00 to 04.. 2 6 5 3 4 12 31 25 16 22 1,111 1,065 1,078 1,089 1,118
04:00 to 08.. 4 5 6 6 5 20 26 30 31 26 1,162 1,076 1,101 1,117 1,112
08:00 to 12.. 3 4 4 4 4 17 22 24 24 21 1,189 1,097 1,082 1,121 1,113
12:00 to 16.. 6 4 5 6 6 31 24 25 31 32 1,193 1,121 1,073 1,147 1,073
16:00 to 20.. 6 5 5 6 5 33 27 25 34 27 1,165 1,141 1,086 1,095 1,139
20:00 to 00.. 3 4 4 4 4 14 23 23 20 21 1,057 1,099 1,096 1,123 1,154
Zone 2 00:00 to 04.. 7 5 6 5 5 37 25 30 28 28 983 962 925 957 933
04:00 to 08.. 4 5 5 5 4 22 29 30 26 23 921 949 946 942 939
08:00 to 12.. 6 5 5 5 6 35 26 25 28 34 934 955 940 949 950
12:00 to 16.. 6 4 4 5 6 32 23 24 28 30 983 941 949 946 958
16:00 to 20.. 5 6 4 6 5 25 32 23 31 25 951 952 944 973 952
20:00 to 00.. 6 5 5 5 5 31 25 26 27 27 919 930 966 952 976
Zone 3 00:00 to 04.. 6 5 5 5 5 33 24 28 27 28 1,102 1,111 1,100 1,094 1,148
04:00 to 08.. 7 6 6 5 5 36 32 32 28 29 1,066 1,081 1,124 1,106 1,087
08:00 to 12.. 5 4 5 5 6 27 21 28 28 32 1,151 1,077 1,104 1,121 1,123
12:00 to 16.. 5 4 4 5 5 28 24 24 26 27 1,173 1,143 1,132 1,106 1,106
16:00 to 20.. 6 3 5 5 6 34 18 25 25 34 1,088 1,110 1,068 1,103 1,042
20:00 to 00.. 6 5 5 5 6 32 28 27 27 34 1,120 1,069 1,118 1,126 1,089
Zone 4 00:00 to 04.. 4 6 5 5 5 22 30 25 27 27 1,050 1,071 1,084 1,133 1,104
04:00 to 08.. 5 6 5 6 4 28 30 27 33 21 1,157 1,109 1,115 1,136 1,103
08:00 to 12.. 3 5 6 6 5 16 26 32 34 29 1,081 1,096 1,123 1,116 1,081
12:00 to 16.. 6 6 5 5 5 31 30 25 26 26 1,103 1,153 1,095 1,066 1,090
Data Source
Sheet 1
Sheet 3
Sheet 2
Sheet 4
Sheet 5
Sheet 6
Sheet 7
Sheet 8
900 marks
60 rows by 15 columns
SUM of Measure Values: 312,023
Sanath raghav