**Project Development Phase**
**Model Performance Test**

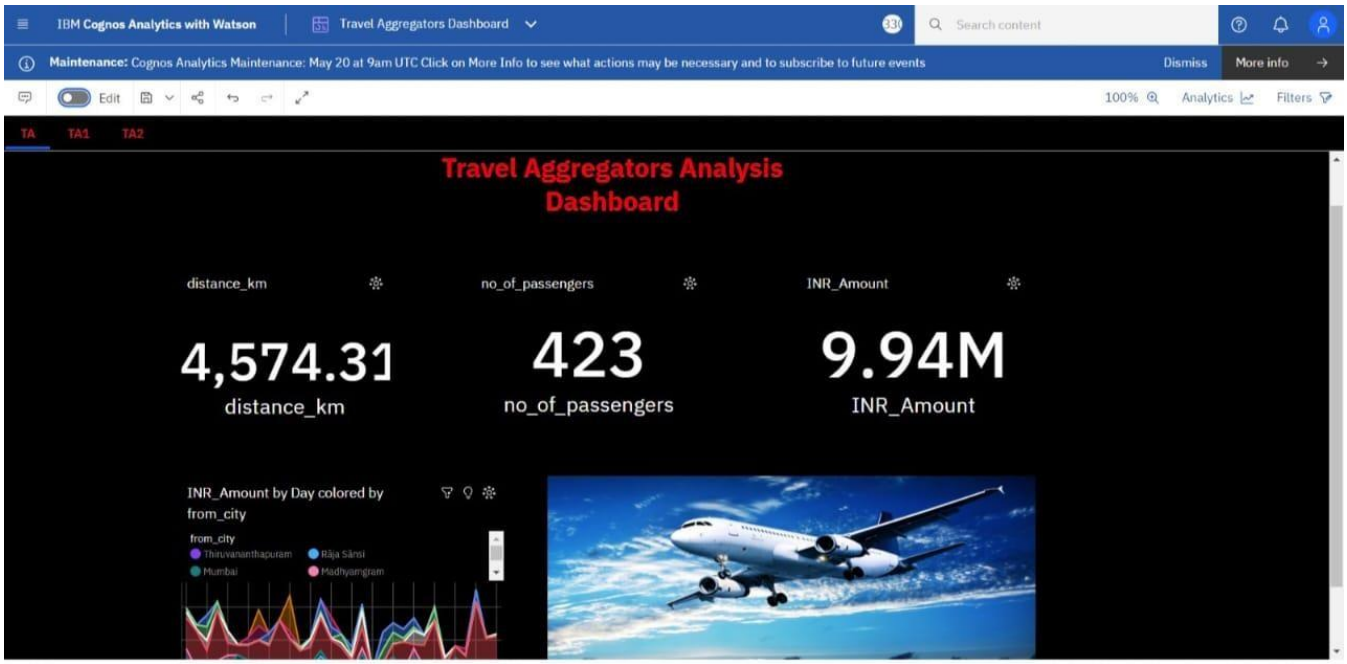
| | |
|---|---|
| Team ID | NM2023TMID02568 |
| Project Name | Project – Competitive Analysis of Leading Travel Aggregators. |

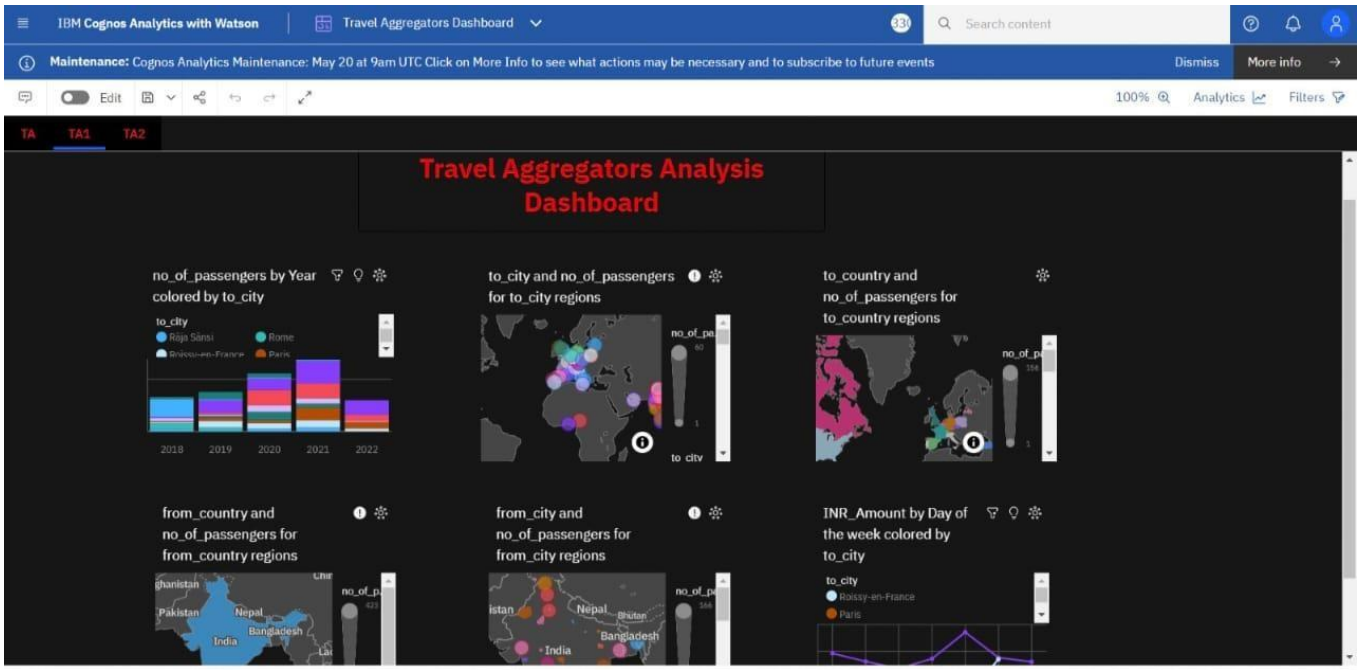
**Model Performance Testing:**

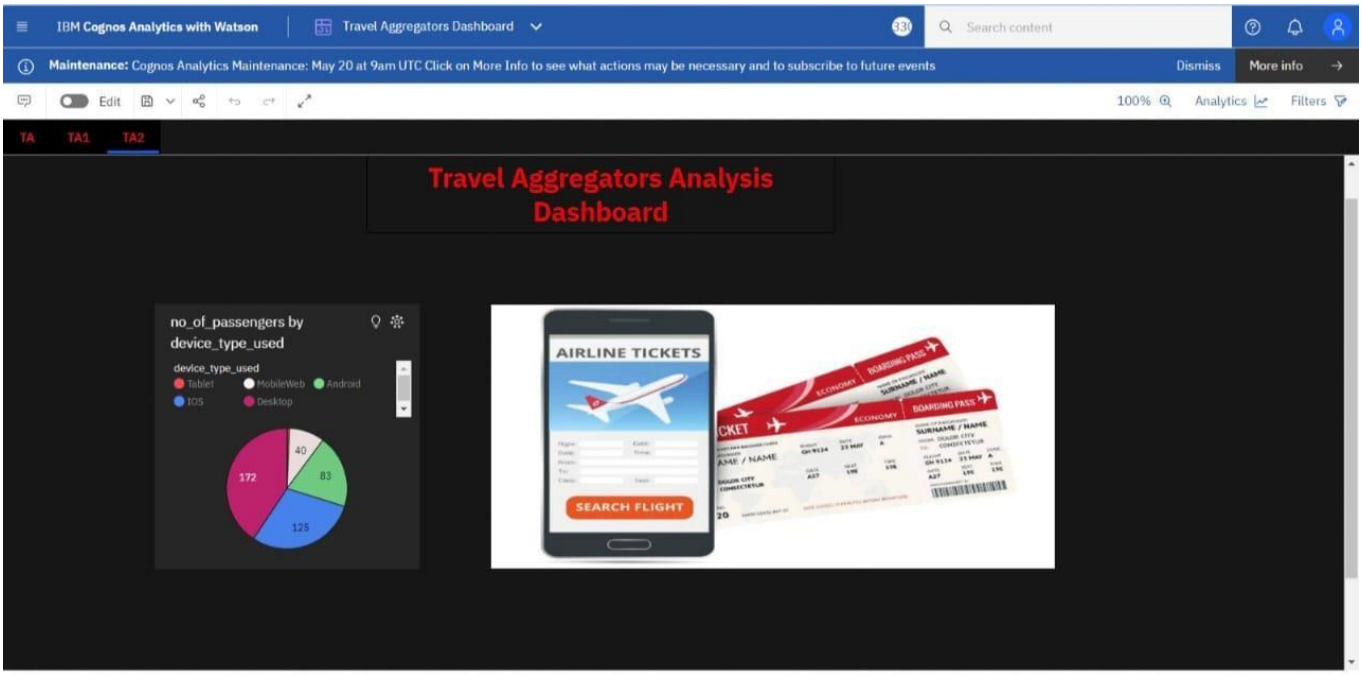
| S.No. | Parameter | Screenshot / Values |
|---|---|---|
| 1. | Dashboard design | No of Visualizations / Graphs - 11 |
| 2. | Data Responsiveness | Data module for data responsive - 13 |
| 3. | Amount Data to Rendered (DB2 Metrics) | 339 rows read and 339 rows loaded |
| 4. | Utilization of Data Filters | Utilization of data filters - 3 |
| 5. | Effective User Story | No of Scene Added - 14 |
| 6. | Descriptive Reports | No of Visualizations / Graphs - 6 |

**Screenshots:**

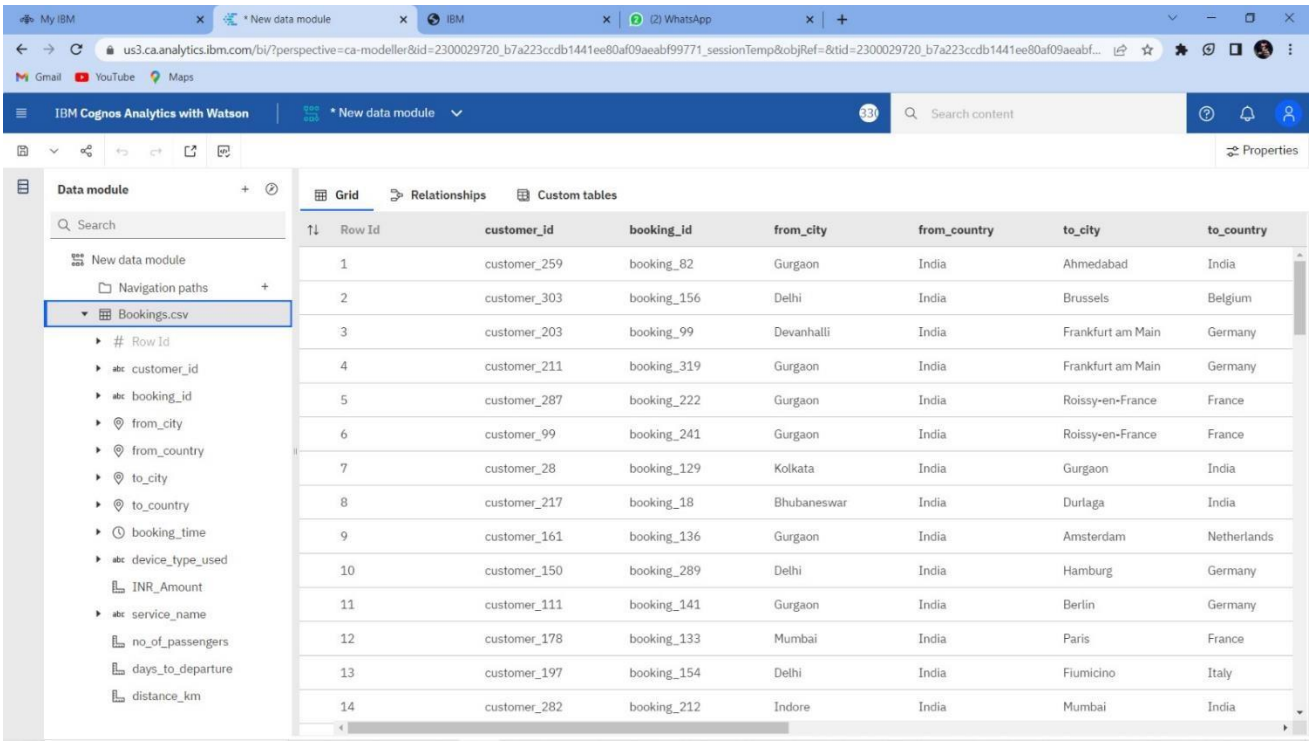
## 1.Dashboard Design:



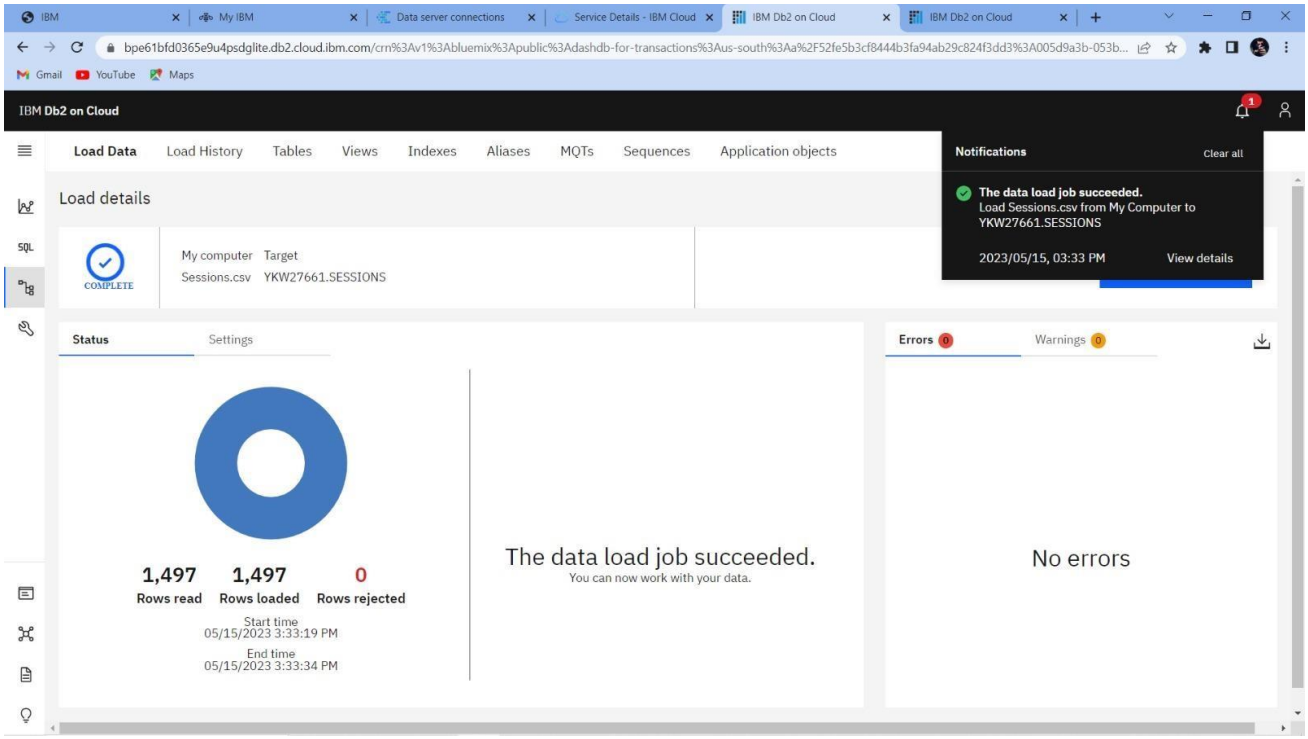





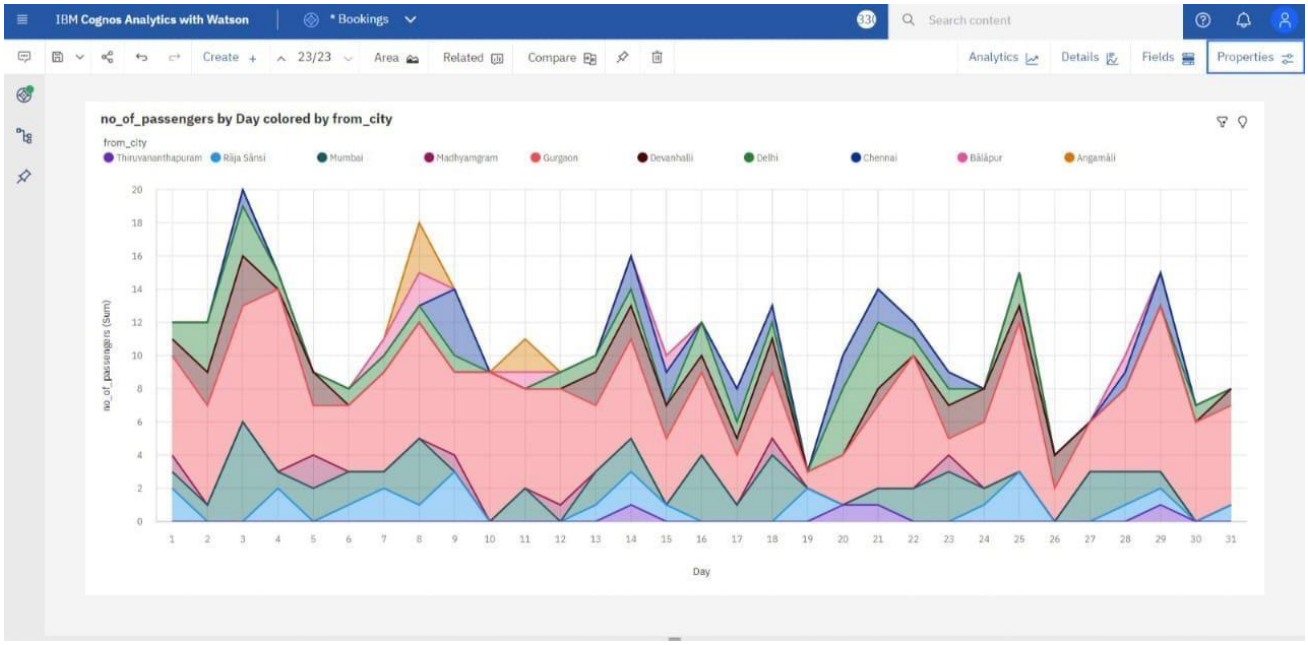

## 2.Data Responsiveness:

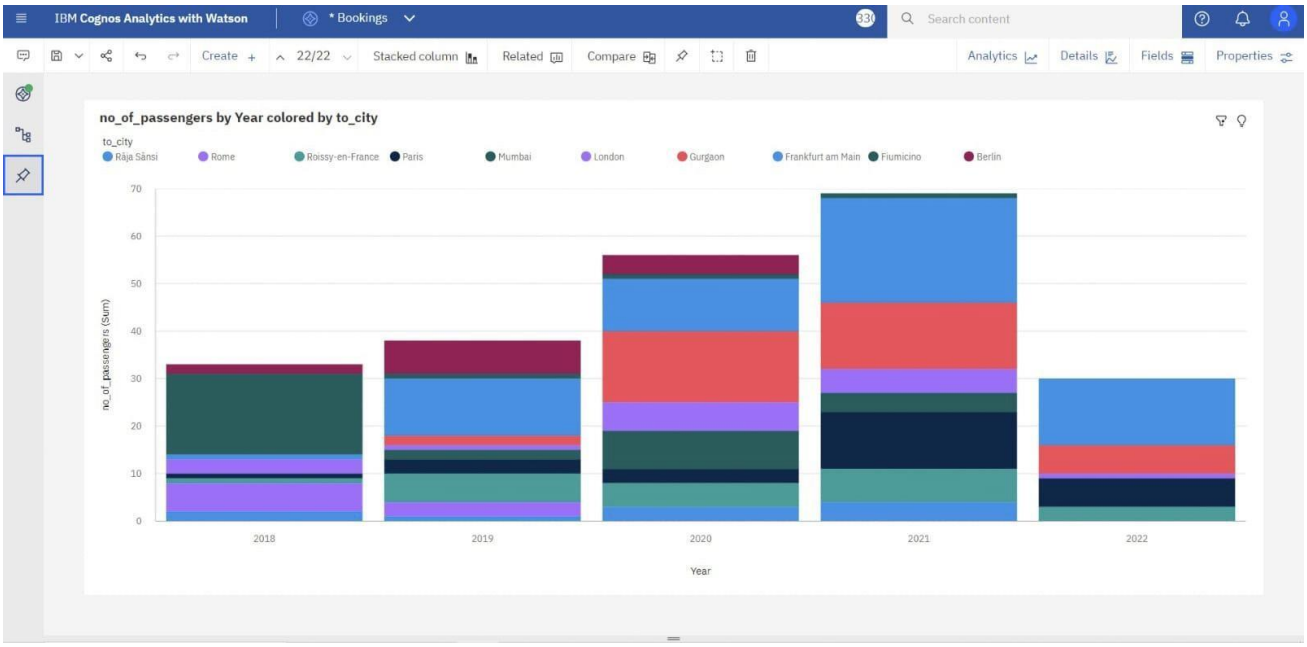


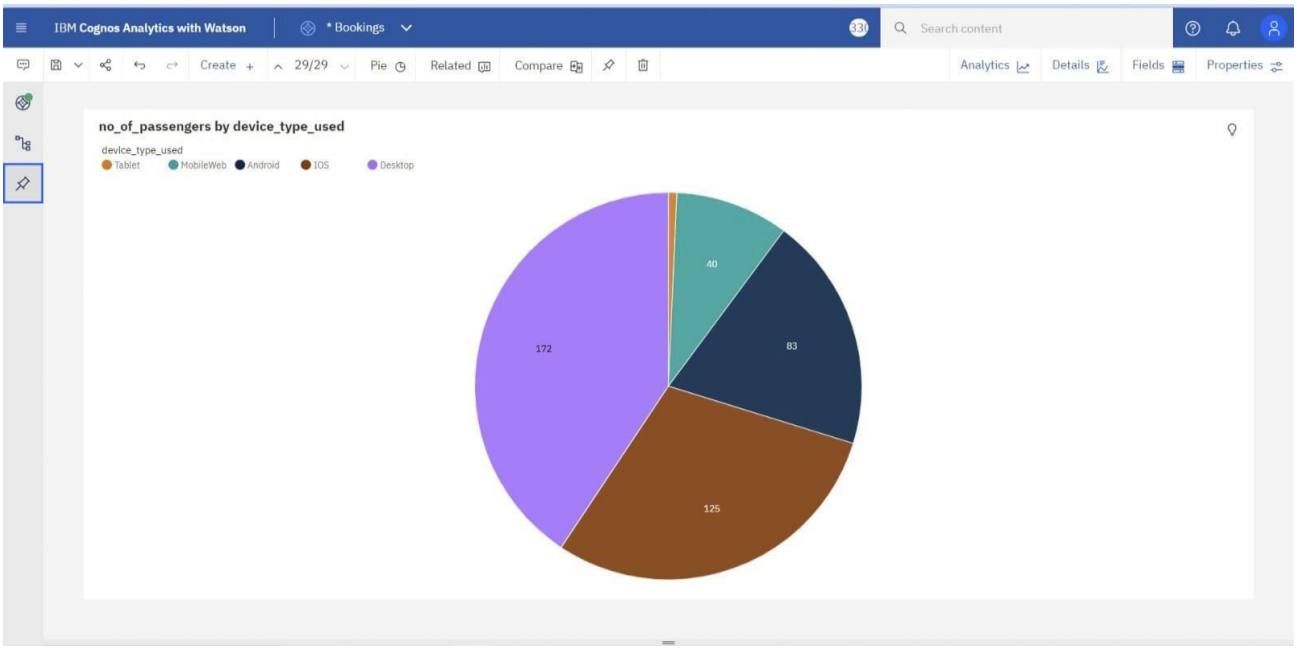

## 3. Amount Data to Rendered (DB2 Metrics):



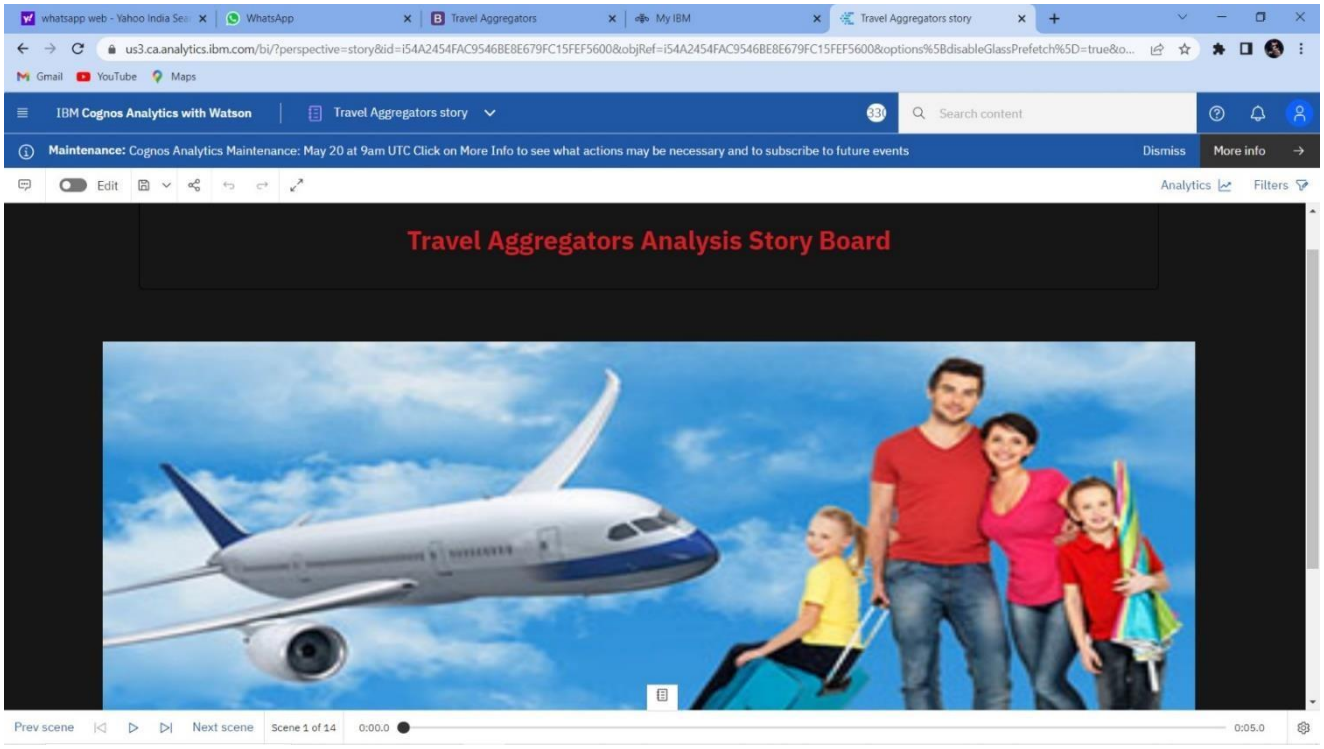

## 4.Utilization of Data Filters:

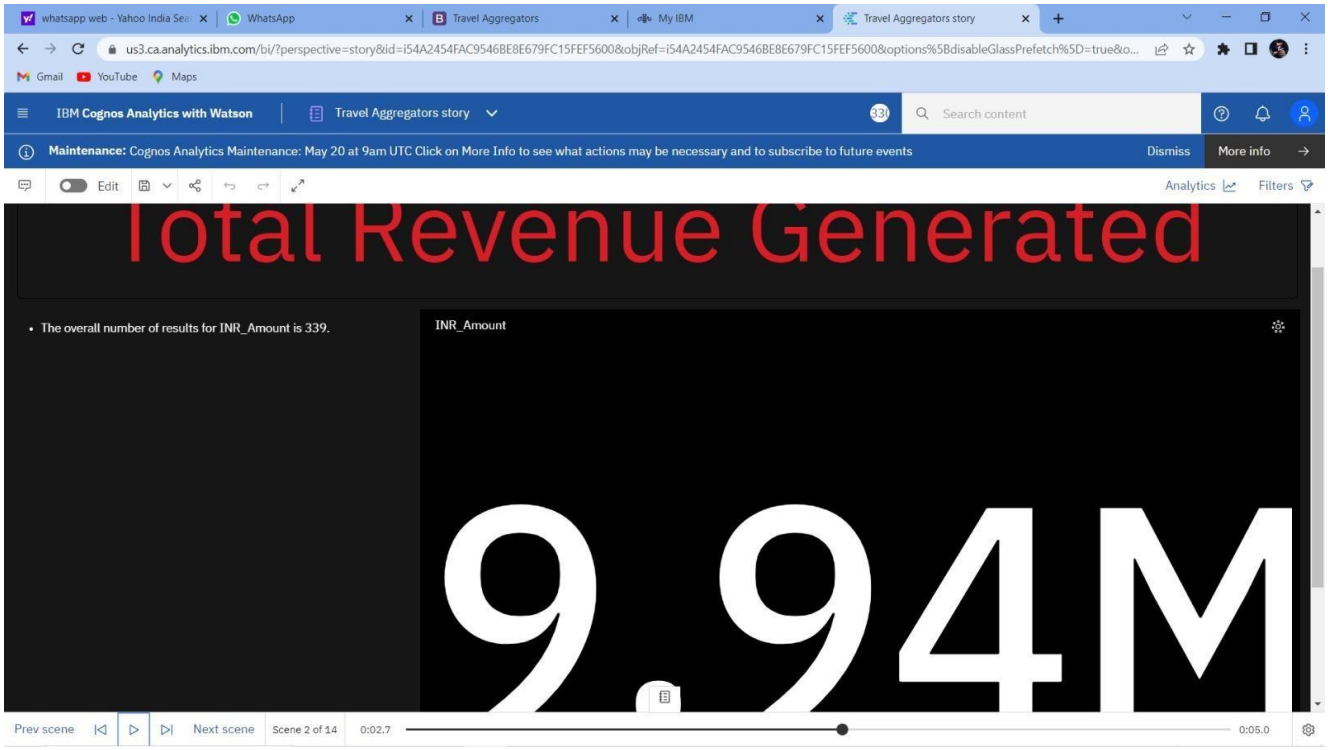


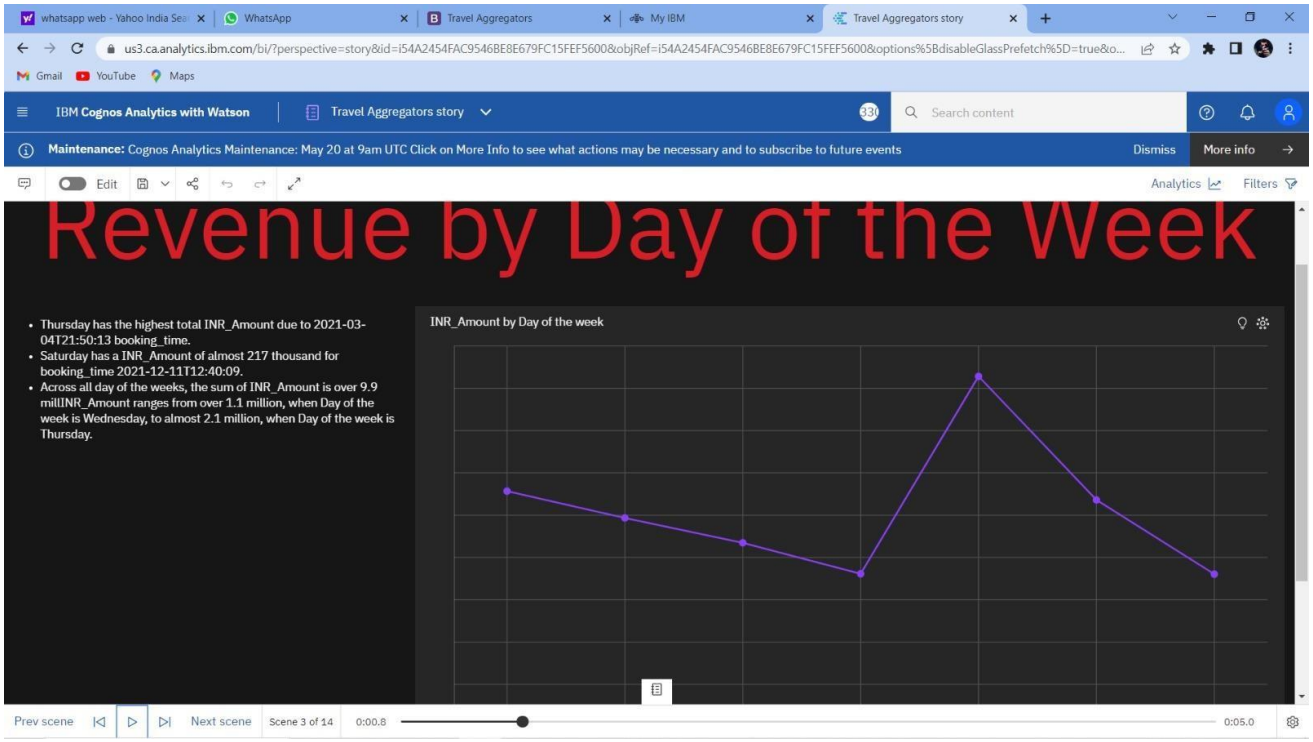

IBM Cognos Analytics with Watson
* Bookings
Search content
Create
22/22
Stacked column
Related
Compare
Analytics
Details
Fields
Properties
no_of_passengers by Year colored by to_city
to_city
Rāja Sānsi
Rome
Roissy-en-France
Paris
Mumbai
London
Gurgaon
Frankfurt am Main
Fiumicino
Berlin
no_of_passengers (Sum)
0
10
20
30
40
50
60
70
2018
2019
2020
2021
2022
Year

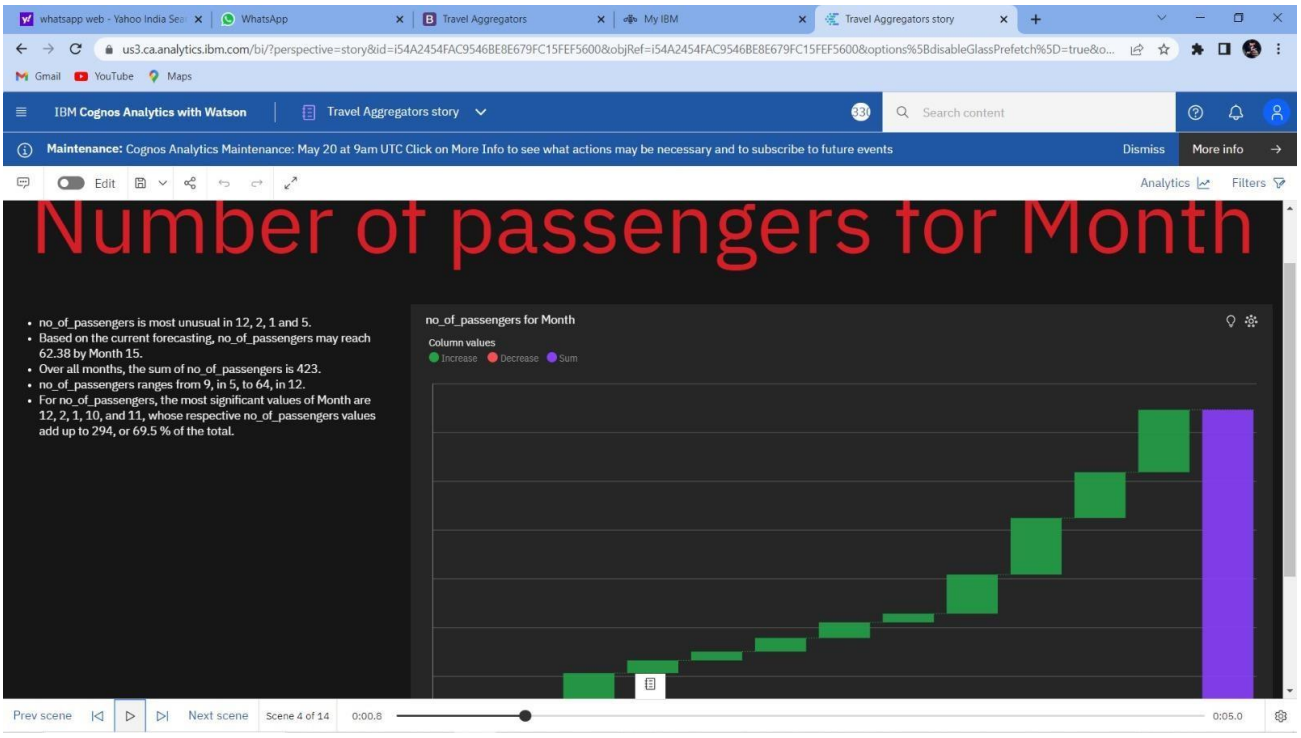

IBM Cognos Analytics with Watson
* Bookings
Search content
Create
29/29
Pie
Related
Compare
Analytics
Details
Fields
Properties
no_of_passengers by device_type_used
device_type_used
Tablet
MobileWeb
Android
IOS
Desktop
40
83
125
172

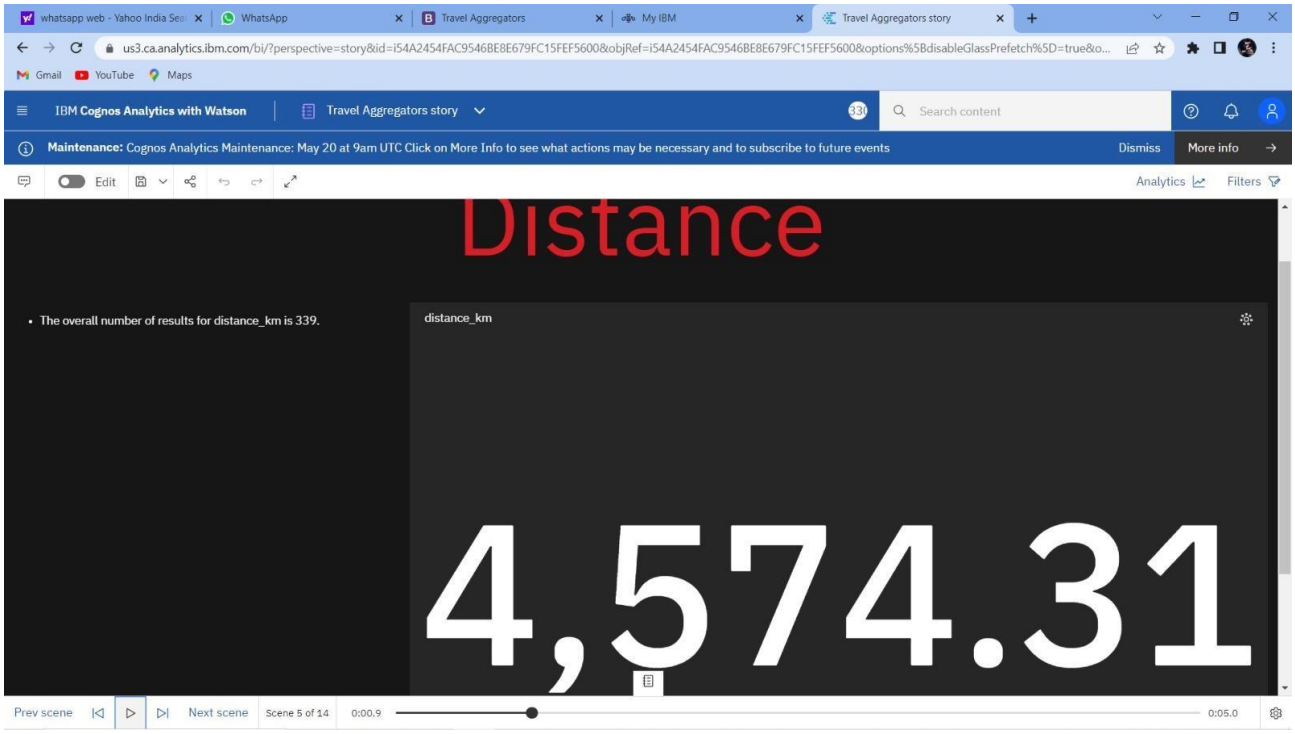
## 5.Effective User Story:

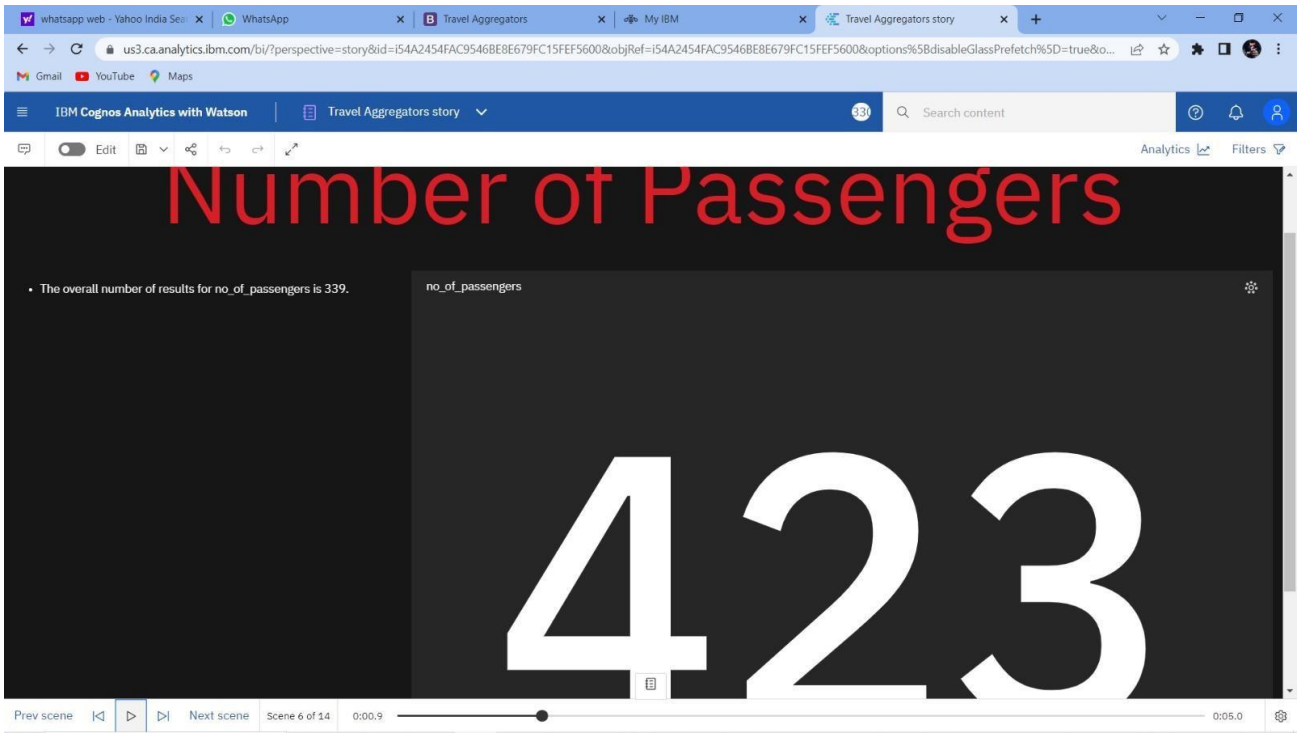


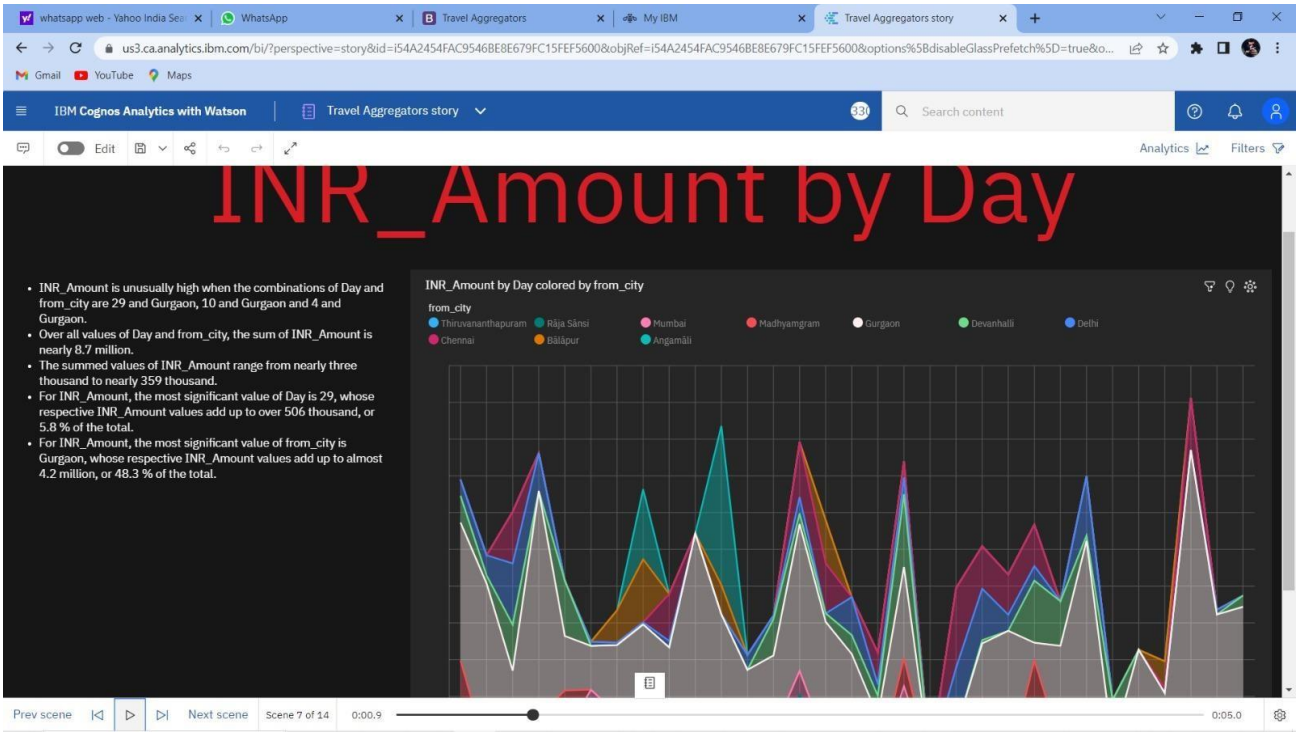



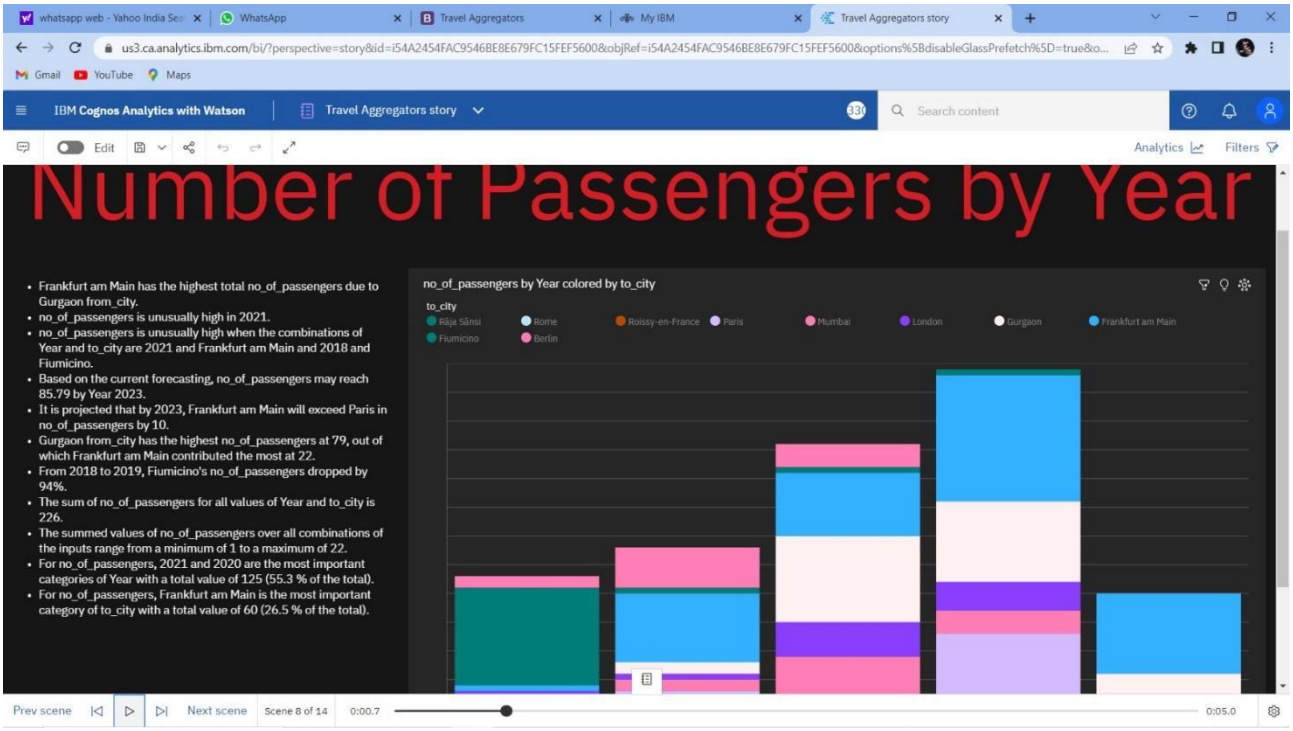

Revenue by Day of the Week
Thursday has the highest total INR_Amount due to 2021-03-04T21:50:13 booking_time.
Saturday has a INR_Amount of almost 217 thousand for booking_time 2021-12-11T12:40:09.
Across all day of the weeks, the sum of INR_Amount is over 9.9 millINR_Amount ranges from over 1.1 million, when Day of the week is Wednesday, to almost 2.1 million, when Day of the week is Thursday.
INR_Amount by Day of the week
Maintenance: Cognos Analytics Maintenance: May 20 at 9am UTC Click on More Info to see what actions may be necessary and to subscribe to future events
Dismiss
More info
Edit
Analytics
Filters
Prev scene
Next scene
Scene 3 of 14
0:00.8
0:05.0

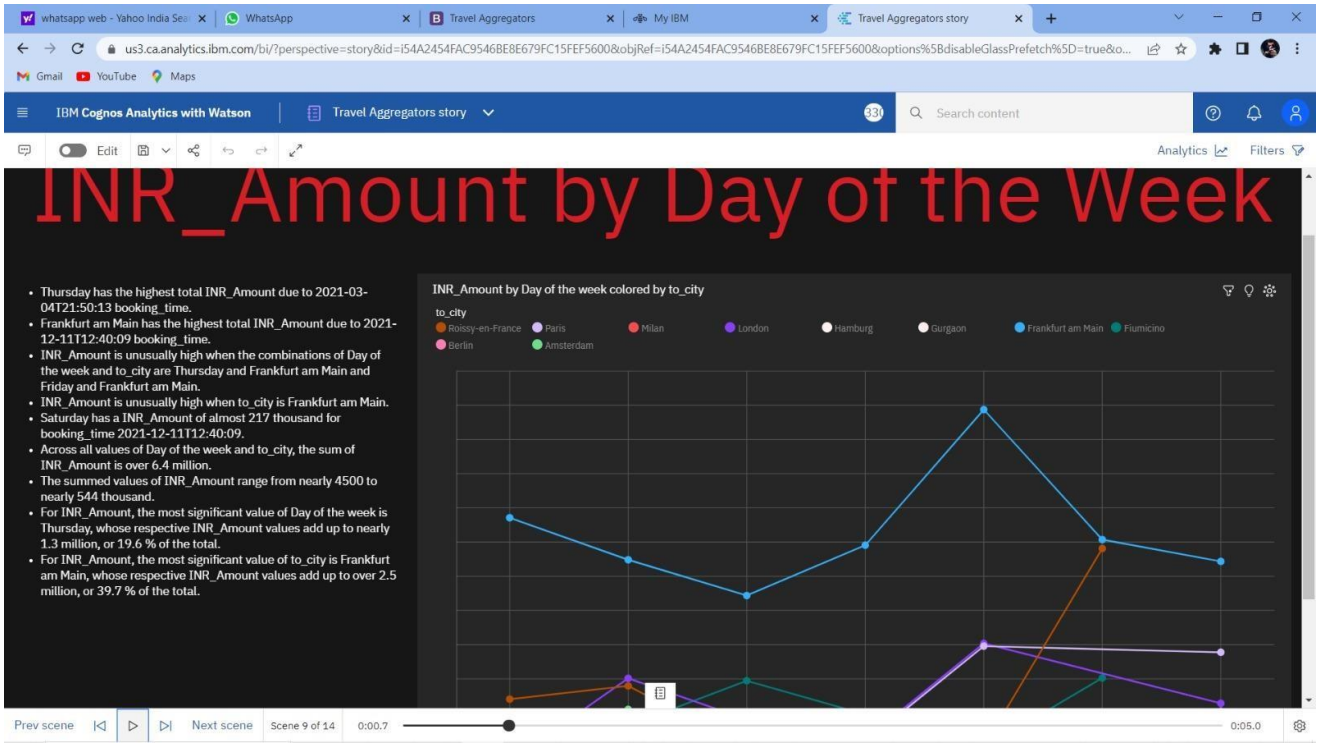

Number of passengers for Month
no_of_passengers is most unusual in 12, 2, 1 and 5.
Based on the current forecasting, no_of_passengers may reach 62.38 by Month 15.
Over all months, the sum of no_of_passengers is 423.
no_of_passengers ranges from 9, in 5, to 64, in 12.
For no_of_passengers, the most significant values of Month are 12, 2, 1, 10, and 11, whose respective no_of_passengers values add up to 294, or 69.5 % of the total.
no_of_passengers for Month
Column values
Increase
Decrease
Sum
Maintenance: Cognos Analytics Maintenance: May 20 at 9am UTC Click on More Info to see what actions may be necessary and to subscribe to future events
Dismiss
More info
Edit
Analytics
Filters
Prev scene
Next scene
Scene 4 of 14
0:00.8
0:05.0

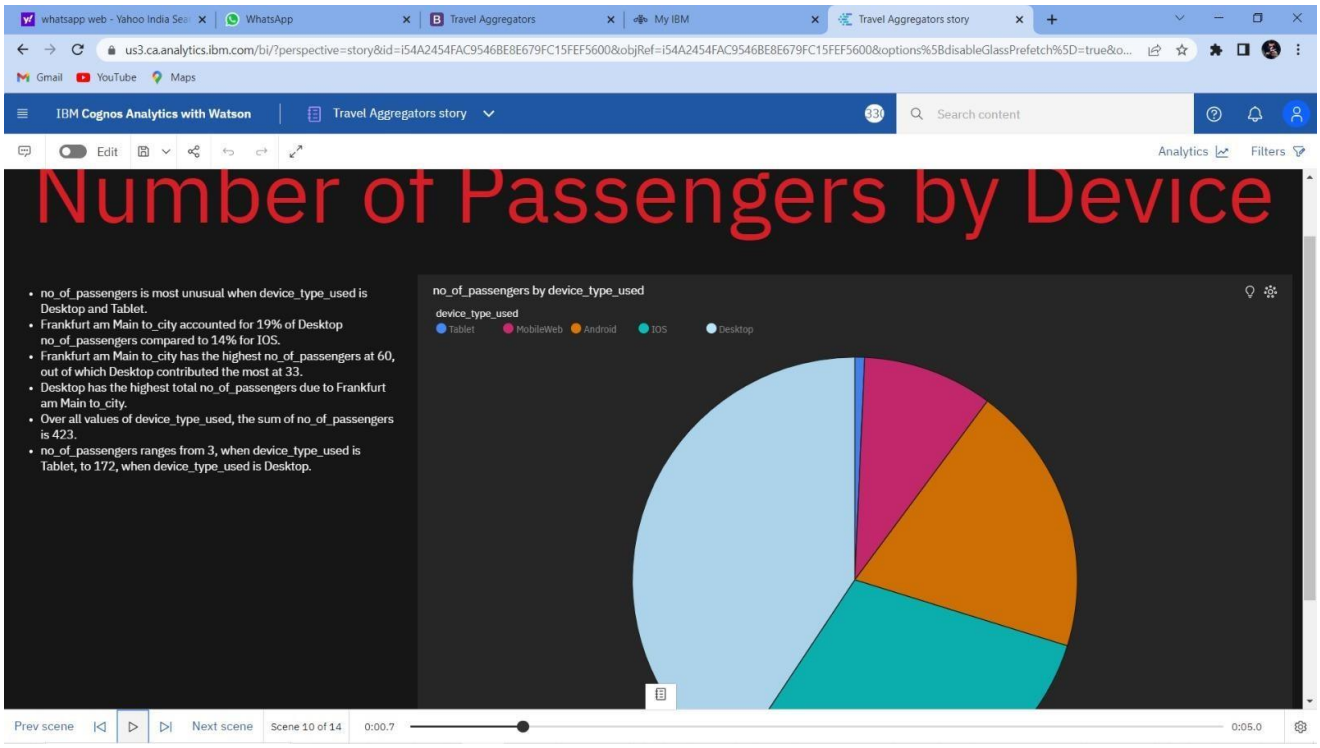

Travel Aggregators story
IBM Cognos Analytics with Watson
Travel Aggregators story
Search content
Maintenance: Cognos Analytics Maintenance: May 20 at 9am UTC Click on More Info to see what actions may be necessary and to subscribe to future events
Dismiss
More info
Edit
Analytics
Filters
Distance
The overall number of results for distance_km is 339.
distance_km
4,574.31
Prev scene
Next scene
Scene 5 of 14
0:00.9
0:05.0

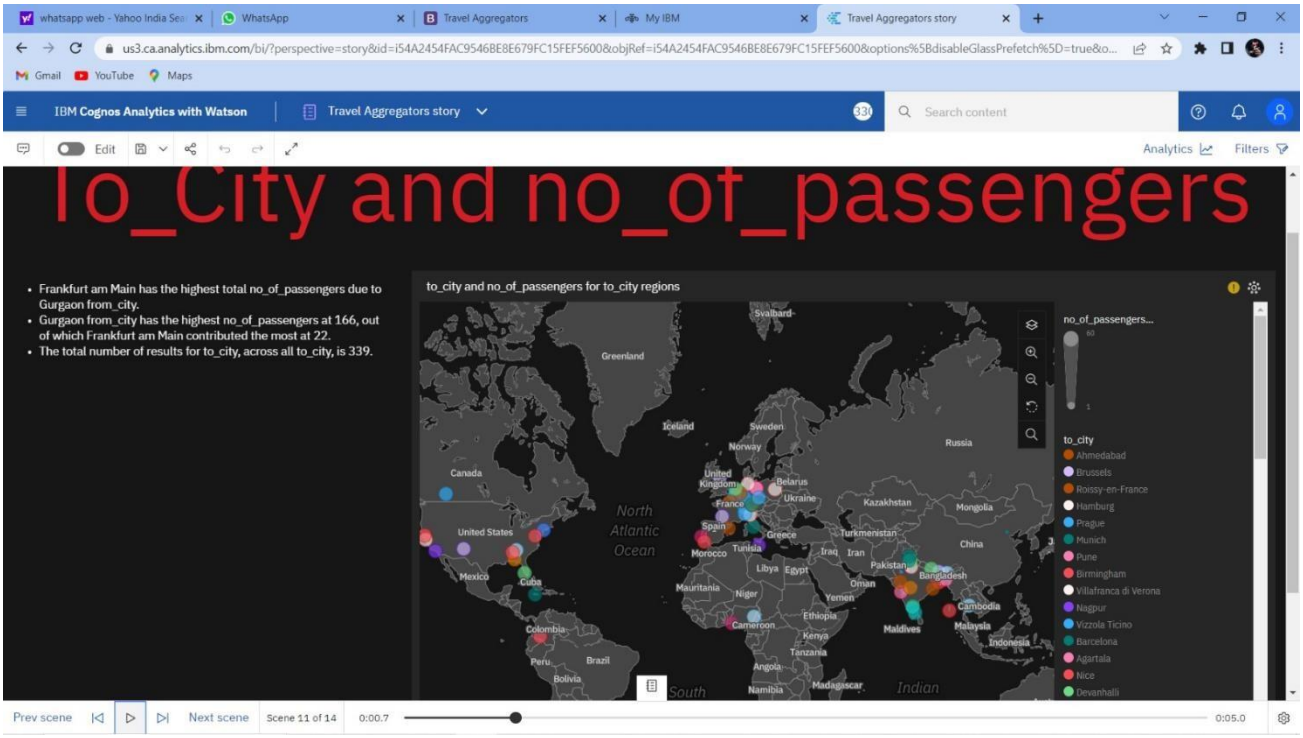

Travel Aggregators story
IBM Cognos Analytics with Watson
Travel Aggregators story
Search content
Edit
Analytics
Filters
Number of Passengers
The overall number of results for no_of_passengers is 339.
no_of_passengers
423
Prev scene
Next scene
Scene 6 of 14
0:00.9
0:05.0

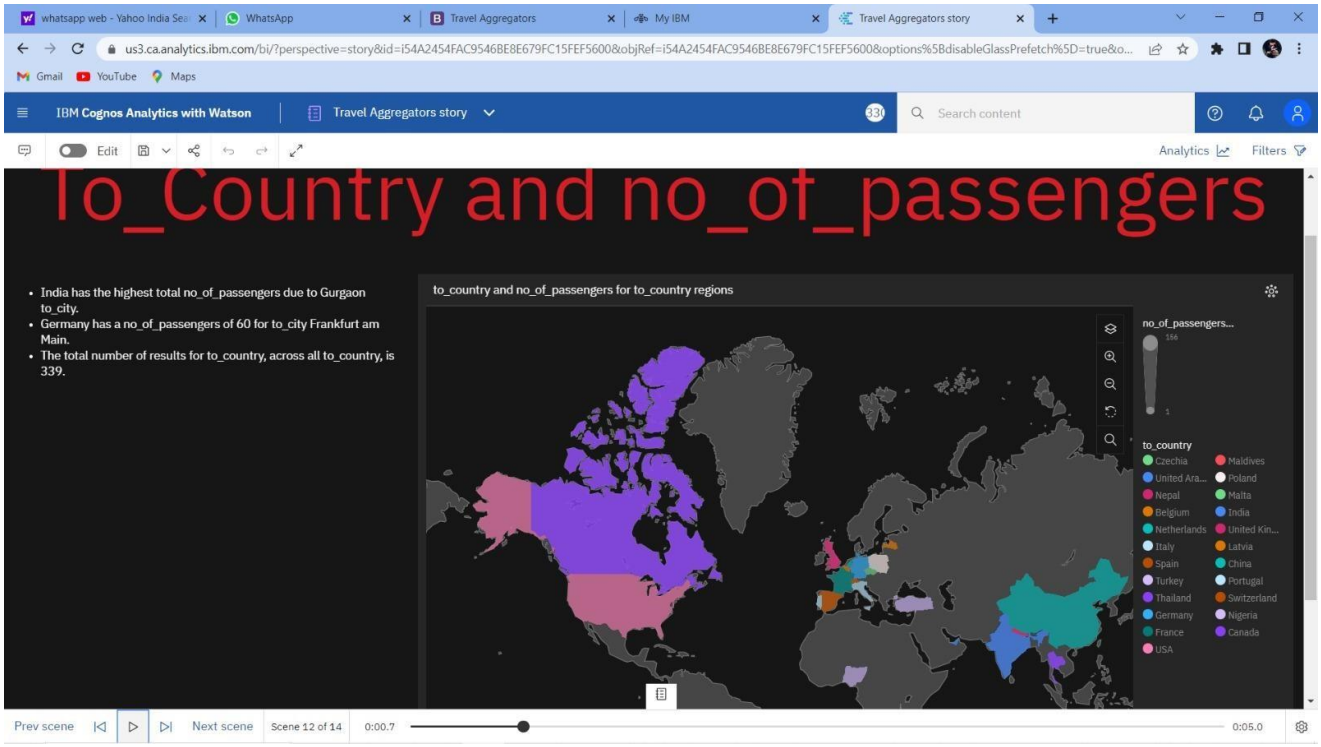

IBM Cognos Analytics with Watson
Travel Aggregators story
Search content
Edit
Analytics
Filters
INR_Amount by Day
INR_Amount is unusually high when the combinations of Day and from_city are 29 and Gurgaon, 10 and Gurgaon and 4 and Gurgaon.
Over all values of Day and from_city, the sum of INR_Amount is nearly 8.7 million.
The summed values of INR_Amount range from nearly three thousand to nearly 359 thousand.
For INR_Amount, the most significant value of Day is 29, whose respective INR_Amount values add up to over 506 thousand, or 5.8 % of the total.
For INR_Amount, the most significant value of from_city is Gurgaon, whose respective INR_Amount values add up to almost 4.2 million, or 48.3 % of the total.
INR_Amount by Day colored by from_city
from_city
Thiruvananthapuram
Rāja Sānsi
Mumbai
Madhyamgram
Gurgaon
Devanhalli
Delhi
Chennai
Bālāpur
Angamāli
Prev scene
Next scene
Scene 7 of 14
0:00.9
0:05.0

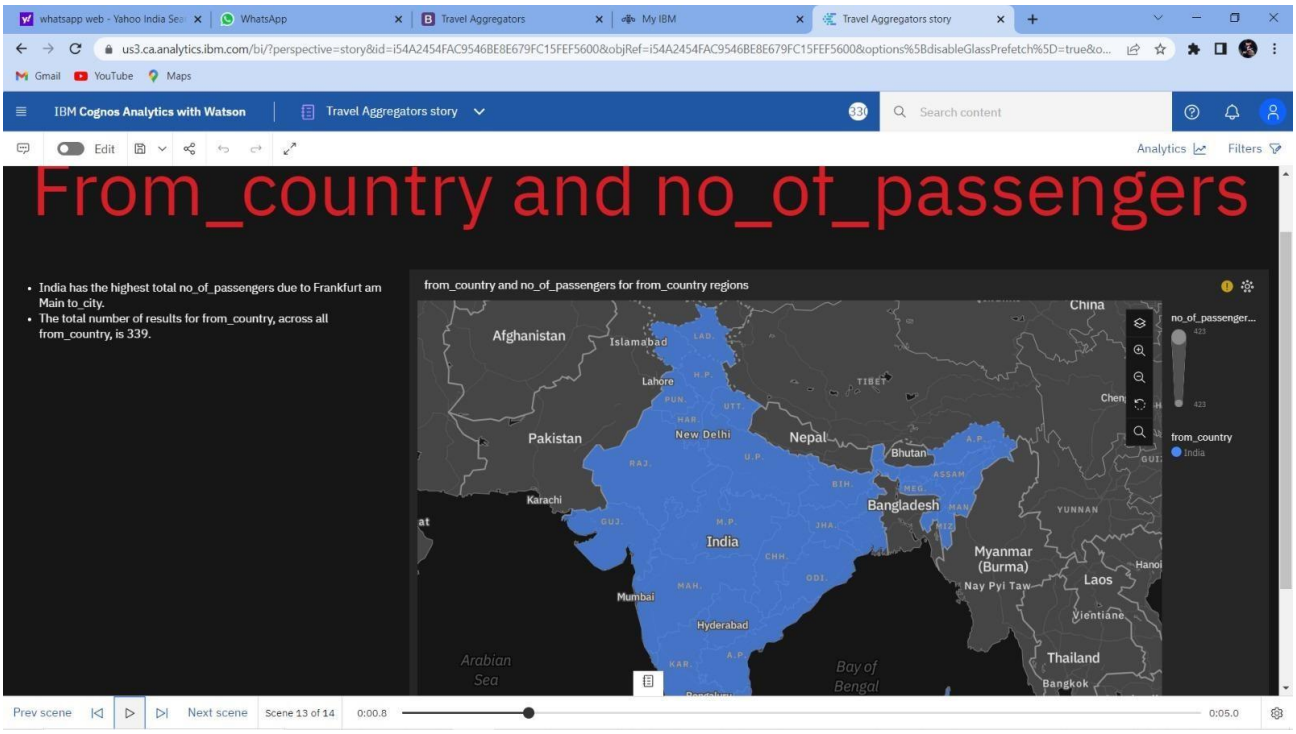

IBM Cognos Analytics with Watson
Travel Aggregators story
Search content
Edit
Analytics
Filters
Number of Passengers by Year
Frankfurt am Main has the highest total no_of_passengers due to Gurgaon from_city.
no_of_passengers is unusually high in 2021.
no_of_passengers is unusually high when the combinations of Year and to_city are 2021 and Frankfurt am Main and 2018 and Fiumicino.
Based on the current forecasting, no_of_passengers may reach 85.79 by Year 2023.
It is projected that by 2023, Frankfurt am Main will exceed Paris in no_of_passengers by 10.
Gurgaon from_city has the highest no_of_passengers at 79, out of which Frankfurt am Main contributed the most at 22.
From 2018 to 2019, Fiumicino's no_of_passengers dropped by 94%.
The sum of no_of_passengers for all values of Year and to_city is 226.
The summed values of no_of_passengers over all combinations of the inputs range from a minimum of 1 to a maximum of 22.
For no_of_passengers, 2021 and 2020 are the most important categories of Year with a total value of 125 (55.3 % of the total).
For no_of_passengers, Frankfurt am Main is the most important category of to_city with a total value of 60 (26.5 % of the total).
no_of_passengers by Year colored by to_city
to_city
Rāja Sānsi
Rome
Roissy-en-France
Paris
Mumbai
London
Gurgaon
Frankfurt am Main
Fiumicino
Berlin
Prev scene
Next scene
Scene 8 of 14
0:00.7
0:05.0

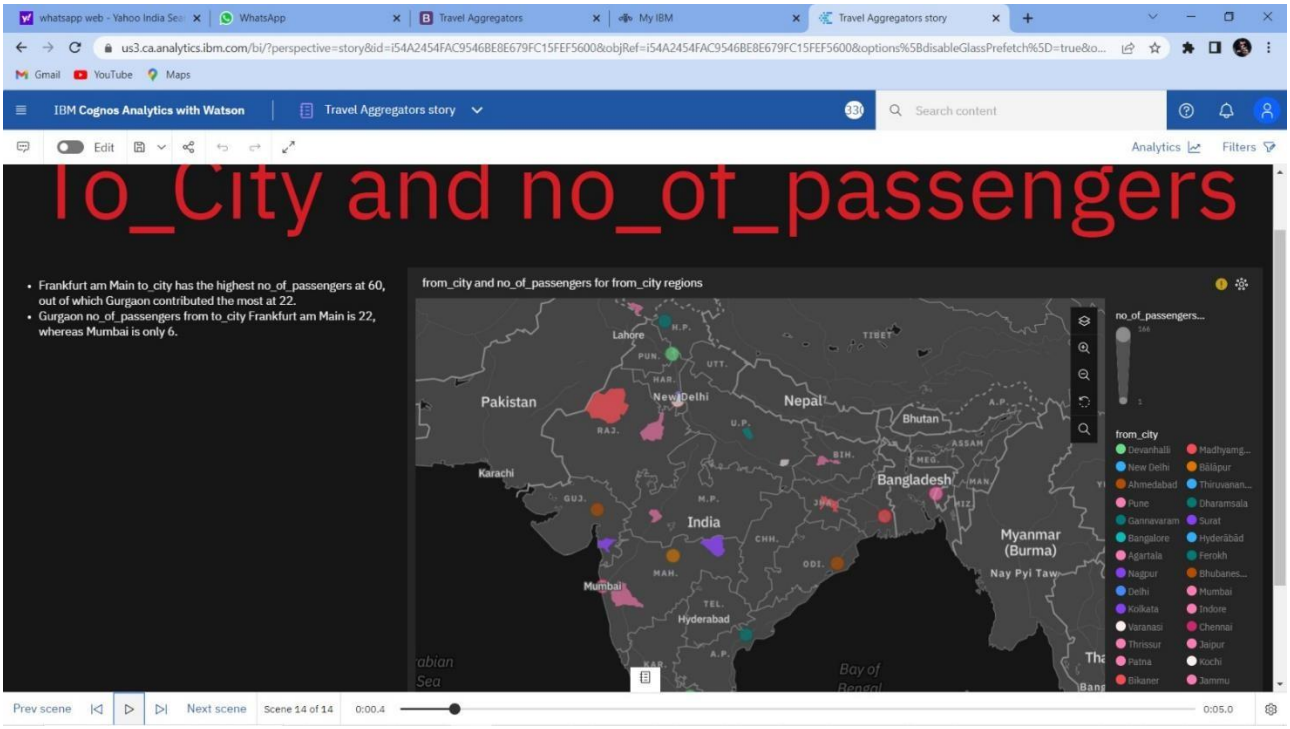

IBM Cognos Analytics with Watson
Travel Aggregators story
Search content
Edit
Analytics
Filters
INR_Amount by Day of the Week
Thursday has the highest total INR_Amount due to 2021-03-04T21:50:13 booking_time.
Frankfurt am Main has the highest total INR_Amount due to 2021-12-11T12:40:09 booking_time.
INR_Amount is unusually high when the combinations of Day of the week and to_city are Thursday and Frankfurt am Main and Friday and Frankfurt am Main.
INR_Amount is unusually high when to_city is Frankfurt am Main.
Saturday has a INR_Amount of almost 217 thousand for booking_time 2021-12-11T12:40:09.
Across all values of Day of the week and to_city, the sum of INR_Amount is over 6.4 million.
The summed values of INR_Amount range from nearly 4500 to nearly 544 thousand.
For INR_Amount, the most significant value of Day of the week is Thursday, whose respective INR_Amount values add up to nearly 1.3 million, or 19.6 % of the total.
For INR_Amount, the most significant value of to_city is Frankfurt am Main, whose respective INR_Amount values add up to over 2.5 million, or 39.7 % of the total.
INR_Amount by Day of the week colored by to_city
to_city
Roissy-en-France
Paris
Milan
London
Hamburg
Gurgaon
Frankfurt am Main
Fiumicino
Berlin
Amsterdam
Prev scene
Next scene
Scene 9 of 14
0:00.7
0:05.0


IBM Cognos Analytics with Watson
Travel Aggregators story
Search content
Edit
Analytics
Filters
Number of Passengers by Device
no_of_passengers is most unusual when device_type_used is Desktop and Tablet.
Frankfurt am Main to_city accounted for 19% of Desktop no_of_passengers compared to 14% for IOS.
Frankfurt am Main to_city has the highest no_of_passengers at 60, out of which Desktop contributed the most at 33.
Desktop has the highest total no_of_passengers due to Frankfurt am Main to_city.
Over all values of device_type_used, the sum of no_of_passengers is 423.
no_of_passengers ranges from 3, when device_type_used is Tablet, to 172, when device_type_used is Desktop.
no_of_passengers by device_type_used
device_type_used
Tablet
MobileWeb
Android
IOS
Desktop
Prev scene
Next scene
Scene 10 of 14
0:00.7
0:05.0

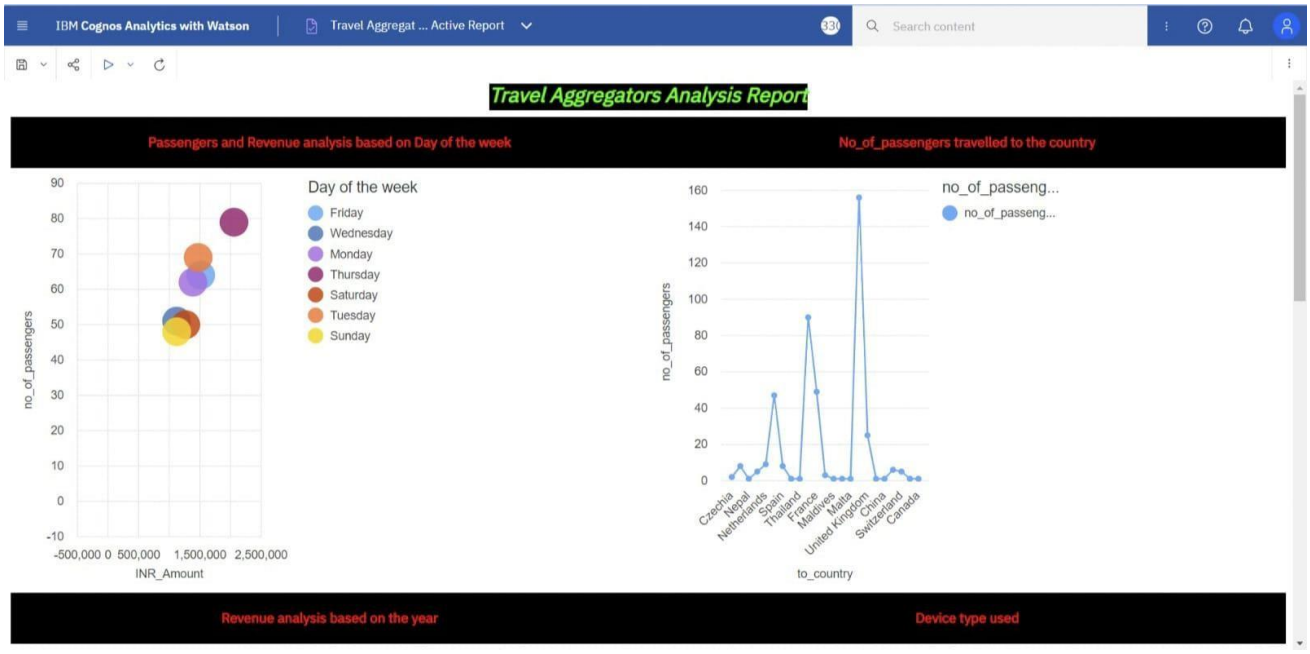

To_City and no_of_passengers
Frankfurt am Main has the highest total no_of_passengers due to Gurgaon from_city.
Gurgaon from_city has the highest no_of_passengers at 166, out of which Frankfurt am Main contributed the most at 22.
The total number of results for to_city, across all to_city, is 339.
to_city and no_of_passengers for to_city regions
no_of_passengers...
to_city
Ahmedabad
Brussels
Roissy-en-France
Hamburg
Prague
Munich
Pune
Birmingham
Villafranca di Verona
Nagpur
Vizzola Ticino
Barcelona
Agartala
Nice
Devanhalli
Prev scene
Next scene
Scene 11 of 14
0:00.7
0:05.0

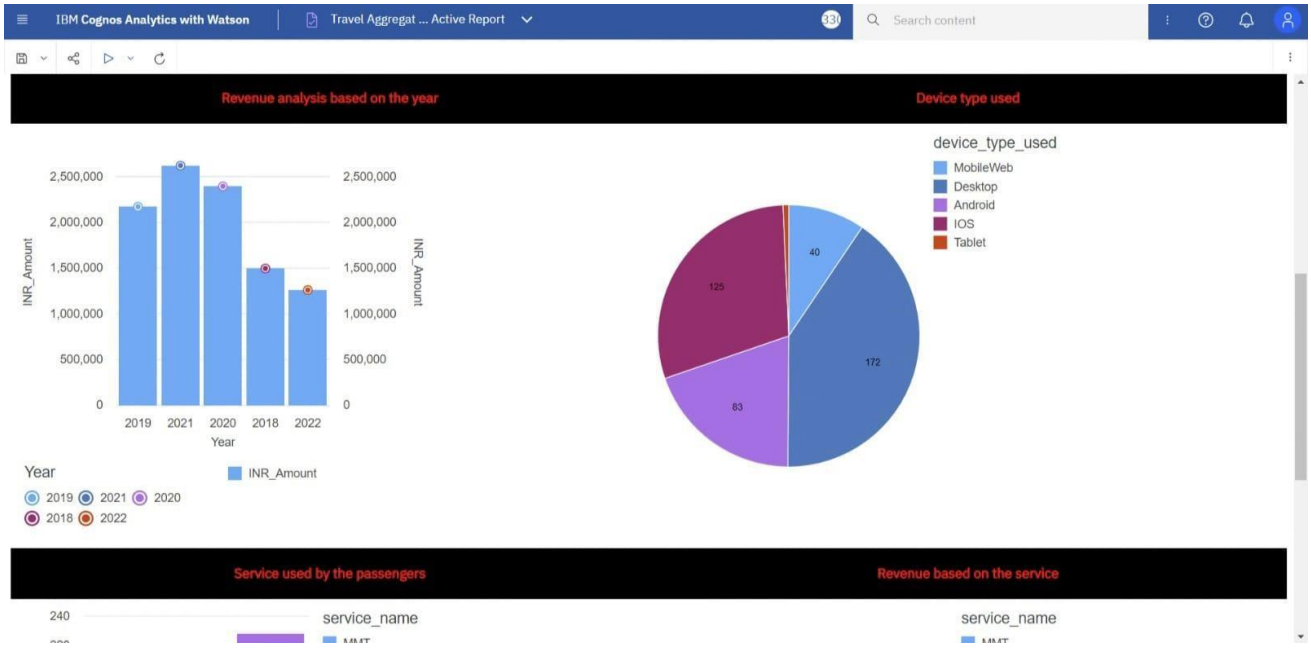

To_Country and no_of_passengers
India has the highest total no_of_passengers due to Gurgaon to_city.
Germany has a no_of_passengers of 60 for to_city Frankfurt am Main.
The total number of results for to_country, across all to_country, is 339.
to_country and no_of_passengers for to_country regions
no_of_passengers...
to_country
Czechia
Maldives
United Ara...
Poland
Nepal
Malta
Belgium
India
Netherlands
United Kin...
Italy
Latvia
Spain
China
Turkey
Portugal
Thailand
Switzerland
Germany
Nigeria
France
Canada
USA
Prev scene
Next scene
Scene 12 of 14
0:00.7
0:05.0

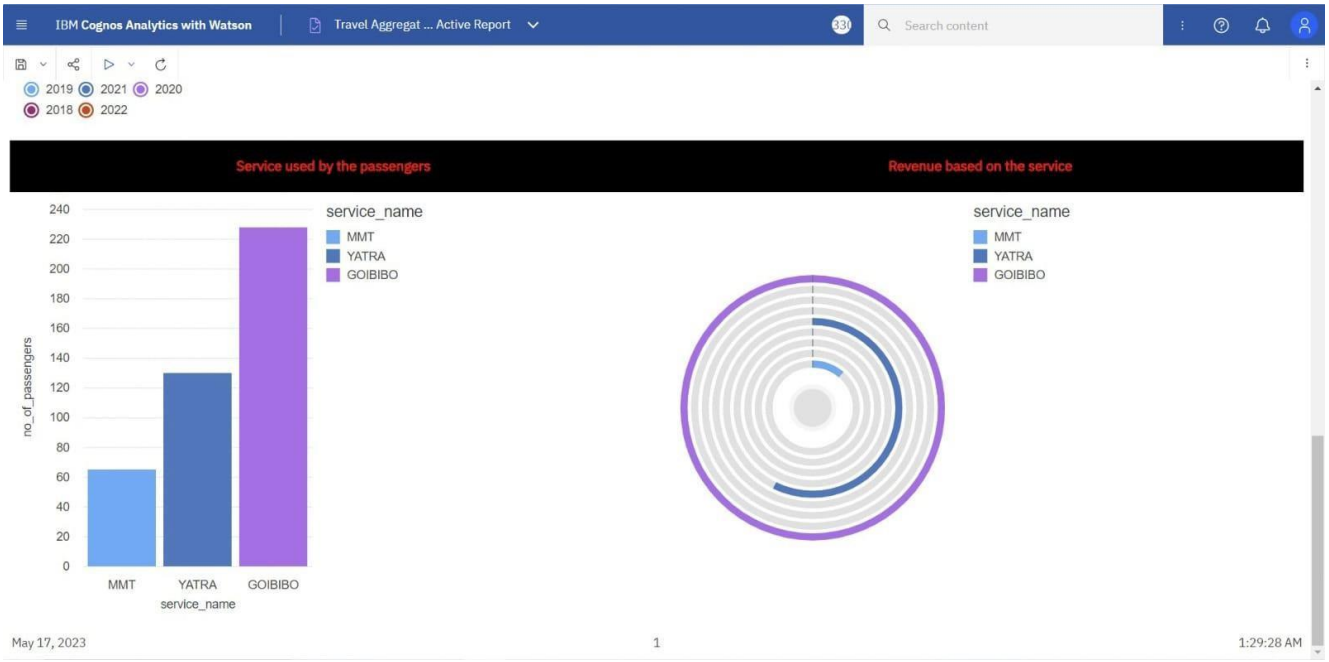



## 6. Descriptive Reports:


IBM Cognos Analytics with Watson
Travel Aggregat ... Active Report
330
Search content
Travel Aggregators Analysis Report
Passengers and Revenue analysis based on Day of the week
No_of_passengers travelled to the country
no_of_passengers
INR_Amount
Day of the week
Friday
Wednesday
Monday
Thursday
Saturday
Tuesday
Sunday
no_of_passeng...
to_country
Czechia
Nepal
Netherlands
Spain
Thailand
France
Maldives
Malta
United Kingdom
China
Switzerland
Canada
Revenue analysis based on the year
Device type used


IBM Cognos Analytics with Watson
Travel Aggregat ... Active Report
330
Search content
Revenue analysis based on the year
Device type used
INR_Amount
Year
2019
2021
2020
2018
2022
device_type_used
MobileWeb
Desktop
Android
IOS
Tablet
40
172
83
125
Service used by the passengers
Revenue based on the service
service_name


IBM Cognos Analytics with Watson
Travel Aggregat ... Active Report
Search content
2019 2021 2020
2018 2022
Service used by the passengers
Revenue based on the service
no_of_passengers
service_name
MMT
YATRA
GOIBIBO
May 17, 2023
1
1:29:28 AM