

Power BI Final Project

Task 1.

- Load data to power query.
- Removed duplicate ,Missing values from the date.
- Changed the format of the coloumns.

power bi final project

Home Transform Add Column View Tools Help

Close & Apply New Source Recent Sources Enter Data Data source settings Manage Parameters Refresh Preview Advanced Editor Choose Columns Remove Columns Keep Rows Remove Rows Sort Split Column Group By Data Type: Whole Number Use First Row as Headers Replace Values Merge Queries Append Queries Combine Files Text Analytics Vision Azure Machine Learning AI Insights

Queries [3]

Flight_Information
Ticket_Information
passenger_information

Table.Distinct(#"Removed Blank Rows", {"FlightID"})

	FlightID	FlightNumber	Airline	Destination	Status
1	1001	FL1102	Airline D	Houston	On Time
2	1002	FL1435	Airline B	Chicago	On Time
3	1003	FL1860	Airline A	New York	Cancelled
4	1004	FL1270	Airline C	Chicago	Delayed
5	1005	FL1106	Airline C	New York	Delayed
6	1006	FL1071	Airline A	Phoenix	On Time
7	1007	FL1700	Airline C	Los Angeles	Cancelled
8	1008	FL1020	Airline C	Los Angeles	Delayed
9	1009	FL1614	Airline A	Los Angeles	Cancelled
10	1010	FL1121	Airline D	Chicago	Cancelled
11	1011	FL1466	Airline A	Phoenix	On Time
12	1012	FL1214	Airline D	New York	Delayed
13	1013	FL1330	Airline C	Houston	On Time
14	1014	FL1458	Airline C	New York	Delayed
15	1015	FL1087	Airline C	Houston	Delayed
16	1016	FL1372	Airline B	New York	Delayed
17	1017	FL1099	Airline D	Phoenix	Delayed
18	1018	FL1871	Airline B	Houston	Delayed
19	1019	FL1663	Airline B	Chicago	Cancelled
20	1020	FL1130	Airline A	New York	On Time
21	1021	FL1661	Airline B	New York	Cancelled
22	1022	FL1308	Airline A	Houston	Delayed
23	1023	FL1769	Airline A	Chicago	On Time
24	1024	FL1343	Airline B	Chicago	Delayed

5 COLUMNS, 200 ROWS Column profiling based on top 1000 rows

PREVIEW DOWNLOADED AT 09:02

09:22 05/04/2025

Task 2

- Created Relationship by using FlightID.

power bi final project • Last saved: Today at 9:17 AM

File Home Help

Clipboard Get data Excel OneLake SQL Server Enter Data Data Warehouse Recent sources Transform Refresh data Manage relationships New measure column New table Calculation group Manage roles View as Q&A setup Language Linguistic schema Sensitivity Publish

passenger_information

Flight_Information

Ticket_Information

FlightID

PassengerID

SeatNumber

Airline

Destination

FlightID

FlightNumber

Status

BookingStatus

FlightID

TicketID

Status

All tables

09:32 05/04/2025

Task 3

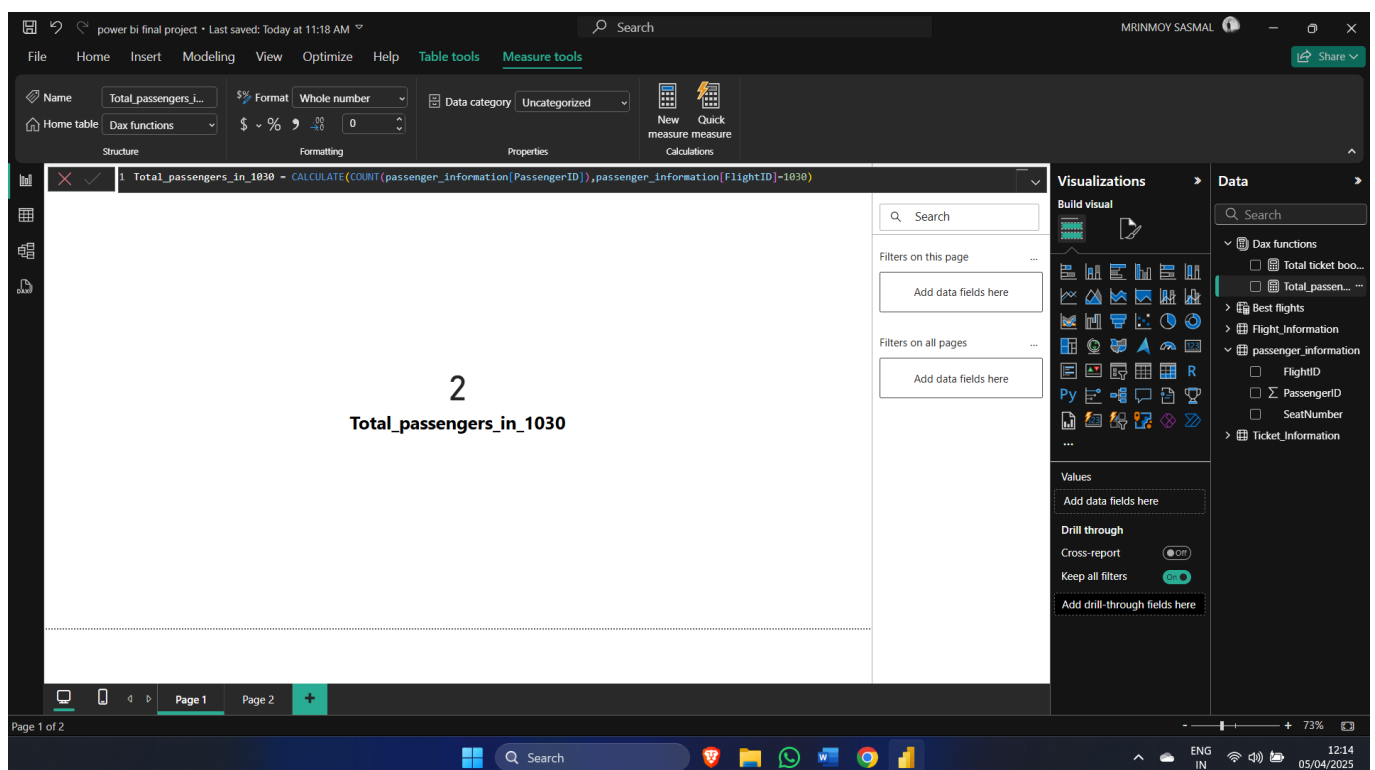
- Use conditional column, Set rule if the Flight is “On Time” then Output is “Best” and if the Flight is Delayed or Cancelled then output as “To Be Improved”
- Use column from Examples to extract number from FlightNumber.

The screenshot shows the Power BI Desktop interface with a table named 'Flight_Information' containing 200 rows. The table has columns: FlightID, FlightNumber, Airline, Destination, Status, Number_of_Flight, and Custom. The 'Custom' column contains values 'Best' or 'To Be Improv' based on the 'Status' column. The 'Status' column contains values like 'On Time', 'Delayed', and 'Cancelled'. The 'FlightNumber' column contains values like 'FL1738', 'FL1612', etc. The 'Number_of_Flight' column contains values like '1738', '1612', etc. The 'Custom' column contains values like 'Best', 'To Be Improv', etc.

FlightID	FlightNumber	Airline	Destination	Status	Number_of_Flight	Custom
1174	FL1738	Airline D	Los Angeles	On Time	1738	Best
1175	FL1612	Airline B	New York	On Time	1612	Best
1179	FL1768	Airline D	Los Angeles	On Time	1768	Best
1180	FL1004	Airline C	New York	On Time	1004	Best
1185	FL1870	Airline C	Los Angeles	On Time	1870	Best
1189	FL1014	Airline D	New York	On Time	1014	Best
1194	FL1690	Airline D	Houston	On Time	1690	Best
1195	FL1574	Airline D	Chicago	On Time	1574	Best
1199	FL1563	Airline D	Chicago	On Time	1563	Best
1200	FL1095	Airline B	Houston	On Time	1095	Best
1003	FL1860	Airline A	New York	Cancelled	1860	To Be Improv
1004	FL1270	Airline C	Chicago	Delayed	1270	To Be Improv
1005	FL1106	Airline C	New York	Delayed	1106	To Be Improv
1007	FL1700	Airline C	Los Angeles	Cancelled	1700	To Be Improv
1008	FL1020	Airline C	Los Angeles	Delayed	1020	To Be Improv
1009	FL1614	Airline A	Los Angeles	Cancelled	1614	To Be Improv
1010	FL1121	Airline D	Chicago	Cancelled	1121	To Be Improv
1012	FL1214	Airline D	New York	Delayed	1214	To Be Improv
1014	FL1458	Airline C	New York	Delayed	1458	To Be Improv
1015	FL1087	Airline C	Houston	Delayed	1087	To Be Improv
1016	FL1372	Airline B	New York	Delayed	1372	To Be Improv
1017	FL1099	Airline D	Phoenix	Delayed	1099	To Be Improv
1018	FL1871	Airline B	Houston	Delayed	1871	To Be Improv
1019	FL1663	Airline B	Chicago	Cancelled	1663	To Be Improv
1021	FL1661	Airline B	New York	Cancelled	1661	To Be Improv
1022	FL1308	Airline A	Houston	Delayed	1308	To Be Improv
1024	FL1343	Airline B	Chicago	Delayed	1343	To Be Improv

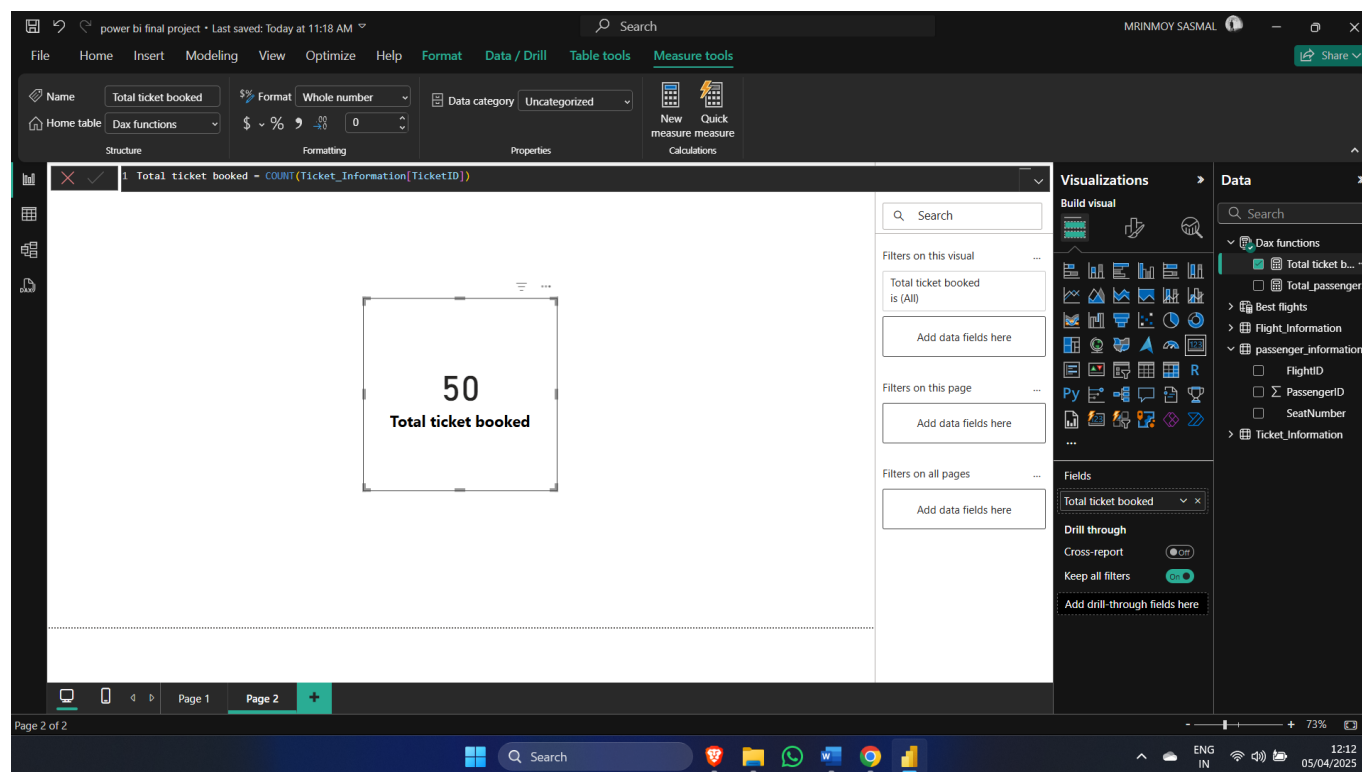
Task 4

- Created a new measure .
- Dax Function: – Total_passengers_in_1030
=CALCULATE(COUNT(passenger_information[PassengerID]),passenger_information[FlightID]=1030)



Task 4.2 :-

- Created a new Measure.
- Dax Function :- Total ticket booked = COUNT(Ticket_Information[TicketID])



Task 4.3 :- Dax Function - Table = FILTER(Flight_Information,Flight_Information[Custom]="Best")

The screenshot shows the Microsoft Power BI Desktop interface with a table visualization. The table is titled '1 Best flights = FILTER(Flight_Information,Flight_Information[Custom]="Best")'. The table has 82 rows and 7 columns: FlightID, FlightNumber, Airline, Destination, Status, Number of Flight, and Custom. The 'Custom' column contains the value 'Best' for all rows. The right-hand pane shows the 'Visualizations' and 'Data' panes. The 'Visualizations' pane shows a 'Table' visualization type selected. The 'Data' pane shows the 'Flight_Information' table with fields 'FlightID', 'FlightNumber', 'Airline', 'Destination', 'Status', 'Number of Flight', and 'Custom'.

FlightID	FlightNumber	Airline	Destination	Status	Number of Flight	Custom
1001	FL1102	Airline D	Houston	On Time	1102	Best
1002	FL1435	Airline B	Chicago	On Time	1435	Best
1006	FL1071	Airline A	Phoenix	On Time	1071	Best
1011	FL1466	Airline A	Phoenix	On Time	1466	Best
1013	FL1330	Airline C	Houston	On Time	1330	Best
1020	FL1130	Airline A	New York	On Time	1130	Best
1023	FL1769	Airline A	Chicago	On Time	1769	Best
1025	FL1491	Airline D	Phoenix	On Time	1491	Best
1027	FL1805	Airline D	Chicago	On Time	1805	Best
1028	FL1385	Airline D	Chicago	On Time	1385	Best
1029	FL1191	Airline D	Los Angeles	On Time	1191	Best
1030	FL1955	Airline B	Phoenix	On Time	1955	Best
1031	FL1276	Airline B	New York	On Time	1276	Best
1033	FL1459	Airline D	New York	On Time	1459	Best
1034	FL1313	Airline B	Phoenix	On Time	1313	Best
1036	FL1252	Airline D	Phoenix	On Time	1252	Best
1039	FL1560	Airline B	Chicago	On Time	1560	Best
1043	FL1681	Airline C	Houston	On Time	1681	Best
1044	FL1475	Airline B	Phoenix	On Time	1475	Best
1046	FL1975	Airline D	Chicago	On Time	1975	Best
1048	FL1189	Airline A	New York	On Time	1189	Best
1050	FL1686	Airline C	Phoenix	On Time	1686	Best
1052	FL1562	Airline D	Phoenix	On Time	1562	Best
1053	FL1875	Airline C	Chicago	On Time	1875	Best
1055	FL1243	Airline B	New York	On Time	1243	Best
1057	FL1504	Airline A	Phoenix	On Time	1504	Best
1060	FL1818	Airline D	Chicago	On Time	1818	Best

Task 5

For Passenger count by airline

- Bar chart: Axis = Airline, Value = TotalPassengers (measure from above).

For Ticket booking statuses

Donut chart: Legend = BookingStatus, Value = COUNTROWS(TicketInformation).

For Flights by airline and destination

Clustered column :- Axis = Destination, Legend = Airline, Value =COUNTROWS(FlightInformation).

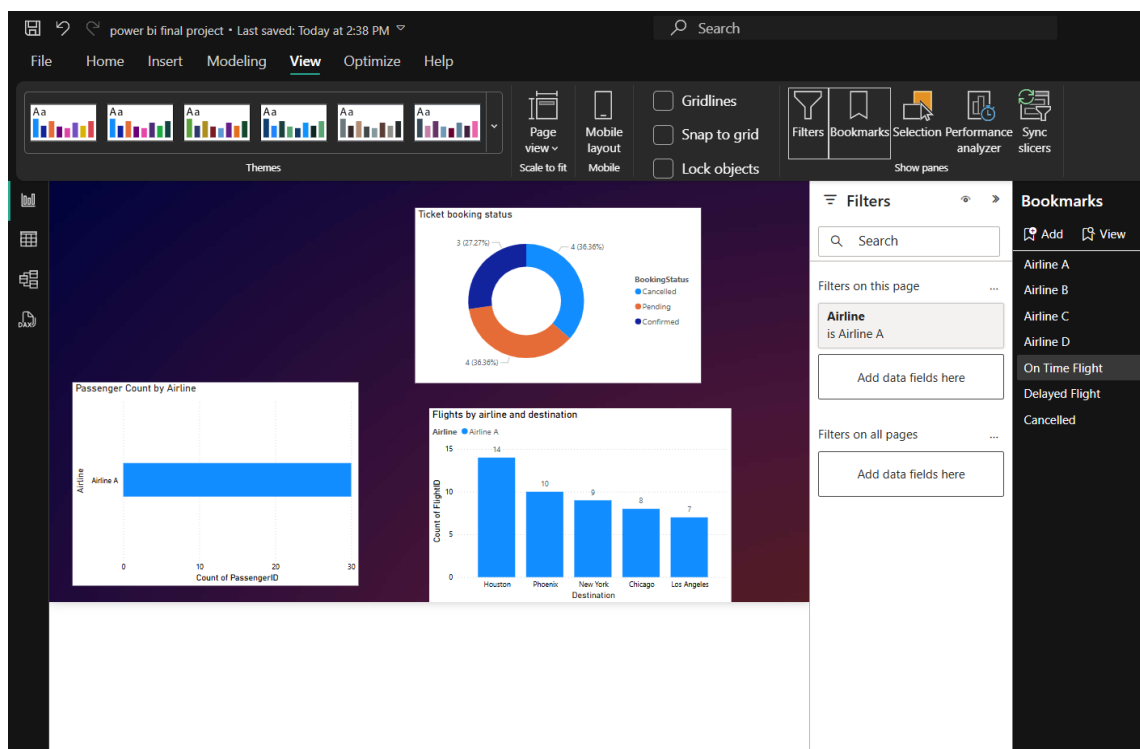
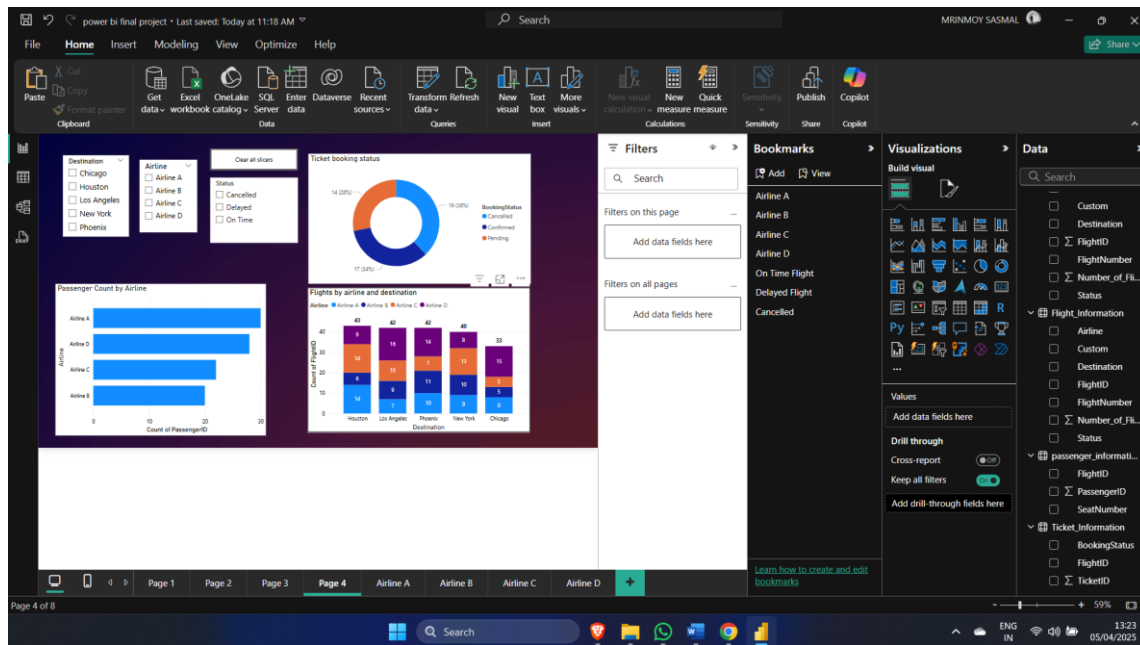
Interactive features

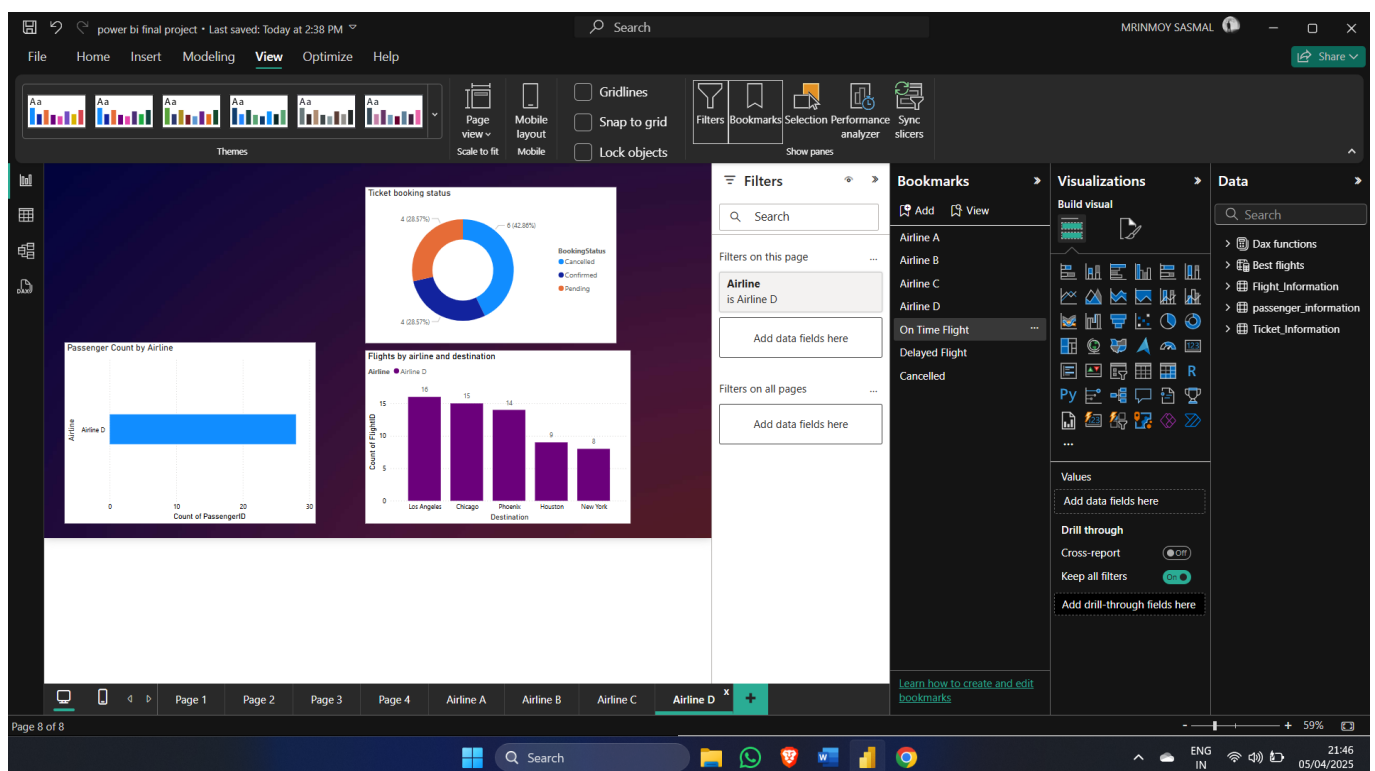
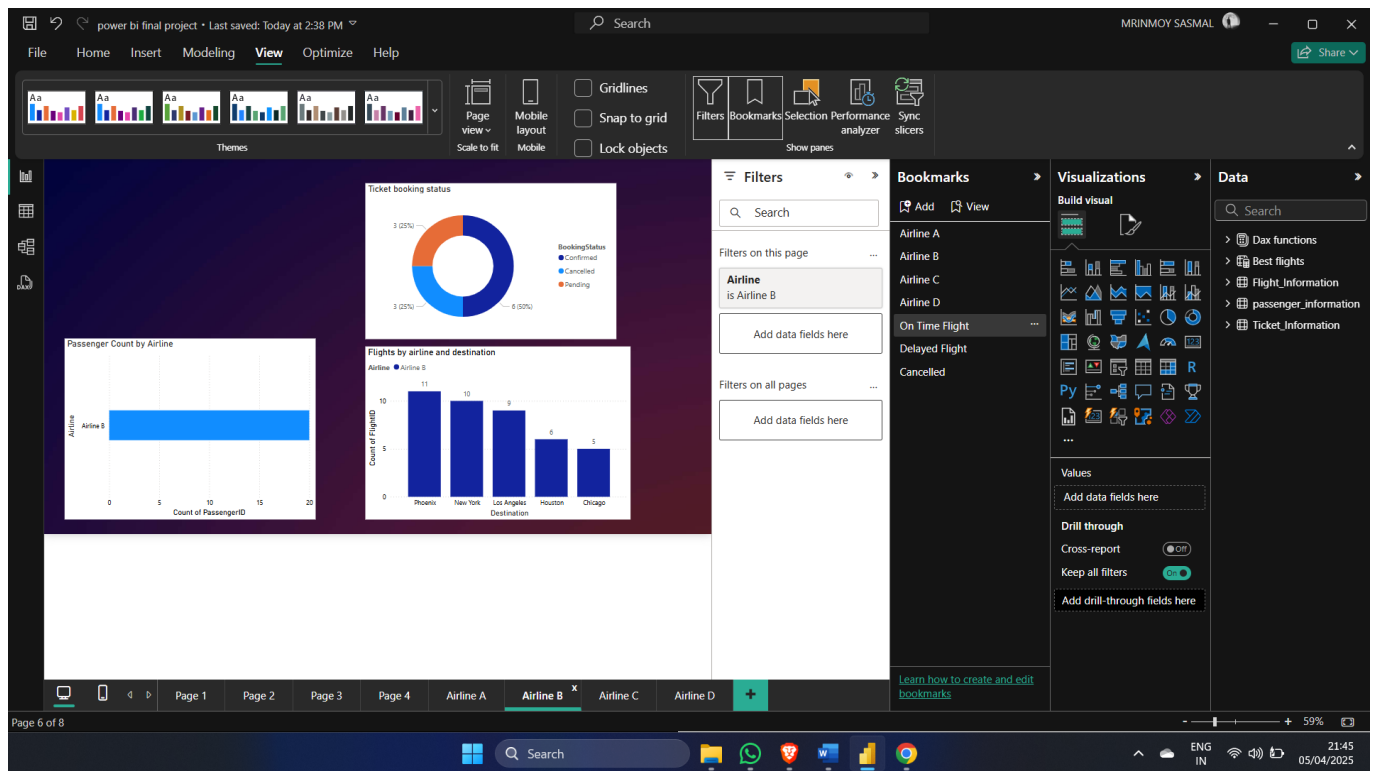
1. Slicers for Destination and Airline

- Added two slicers bound to FlightInformation[Destination] and FlightInformation[Airline].

2. Airline-specific pages

- Created 4 page for 4 airlines .





Task 6: -

Task 6.1

Created a Dashboard by using many visuals and slicers .

Task 6.2

Step 1 - In Desktop → Modeling → Manage Roles → created a role “AirlineA” with DAX filter on FlightInformation:

DAX Function:- [Airline] = "Airline A"

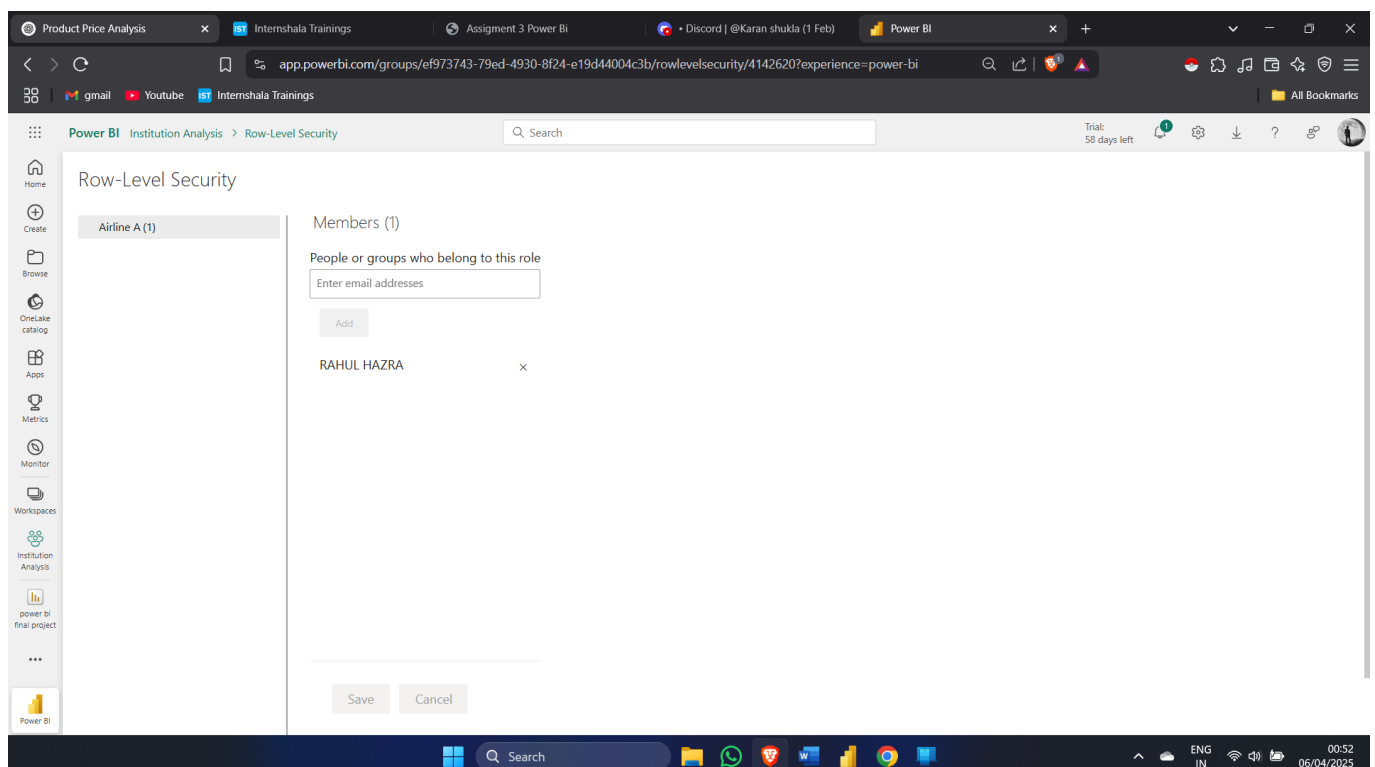
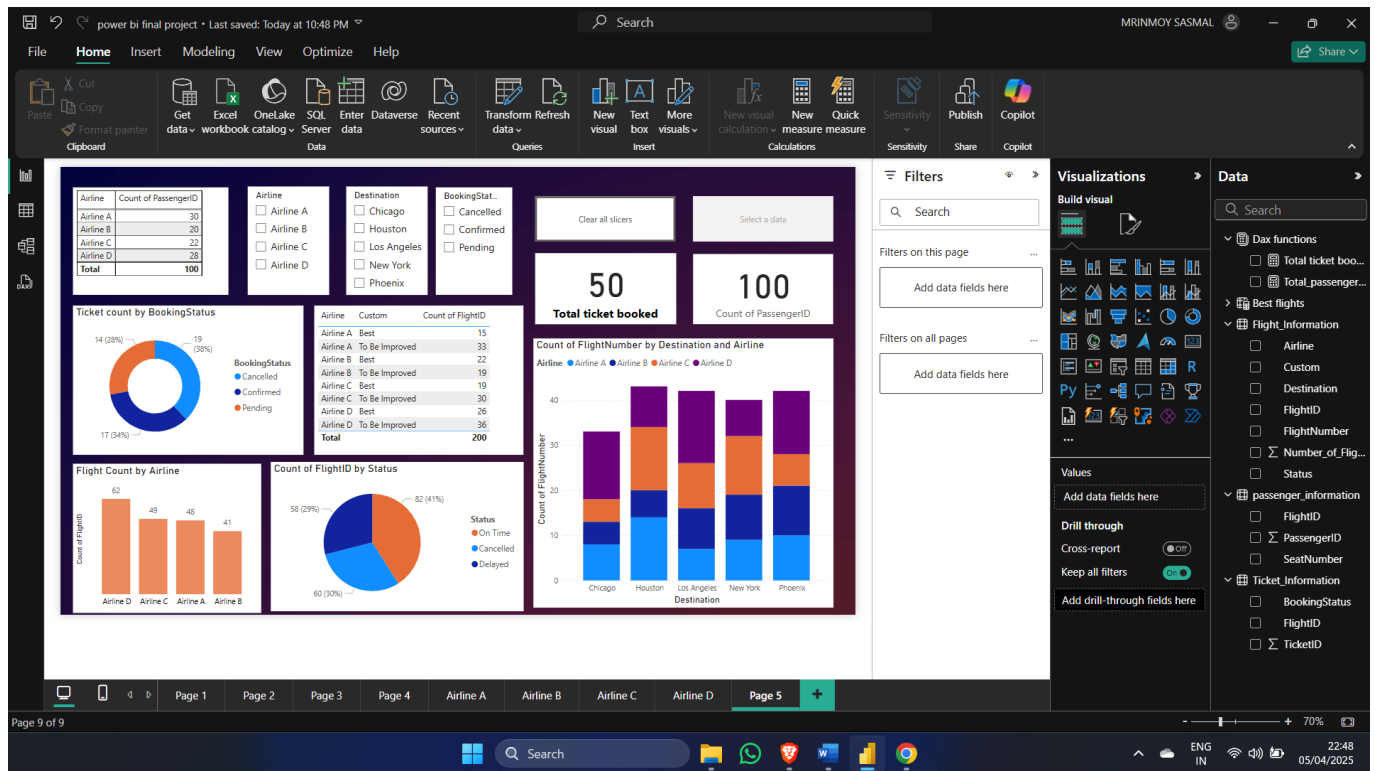
- Published it to Workspace In Power BI Service → workspace → Security → assign the relevant user to “AirlineA.”

Task 6.3

- In Power BI Service, under your dataset’s “Schedule refresh” settings:

Step 1 :- Turn on “Keep your data up to date.”

Step 2:- Added a daily refresh at 5 PM.



Product Price Analysis | Discord | @Shantanu_1stfeb | Assignment 3 Power BI | Power BI | Power BI

app.powerbi.com/groups/ef973743-79ed-4930-8f24-e19d44004c3b/settings/datasets?ctid=8a4c397b-f3d8-41f1-8ae1-e37e3f24...

Power BI Institution Analysis

Flight_Information.xlsx Edit credentials Show in lineage view
Passenger_Information.xlsx Edit credentials Show in lineage view
Ticket_Information.xlsx Edit credentials Show in lineage view

Parameters

Refresh

Time zone

Time zone configuration is applied not only to determine the schedule refresh time but also to establish the current date and time for incremental refresh models during on-demand and API refreshes. [Learn more](#)

(UTC+05:30) Chennai, Kolkata, Mumbai

Configure a refresh schedule

Define a data refresh schedule to import data from the data source into the semantic model. [Learn more](#)

☒ On

Refresh frequency

Daily

Time

5:00 PM

[Add another time](#)

Send refresh failure notifications to

☒ Semantic model owner

☐ These contacts:

Enter email addresses

Apply Discard

power bi final project refresh schedule updated
Your updates to the power bi final project refresh schedule changes have been applied

Windows taskbar: Search, File Explorer, WhatsApp, Firefox, Word, PowerPoint, Chrome, 22:54, 05/04/2025

Video Link - [For video Click Here](#)