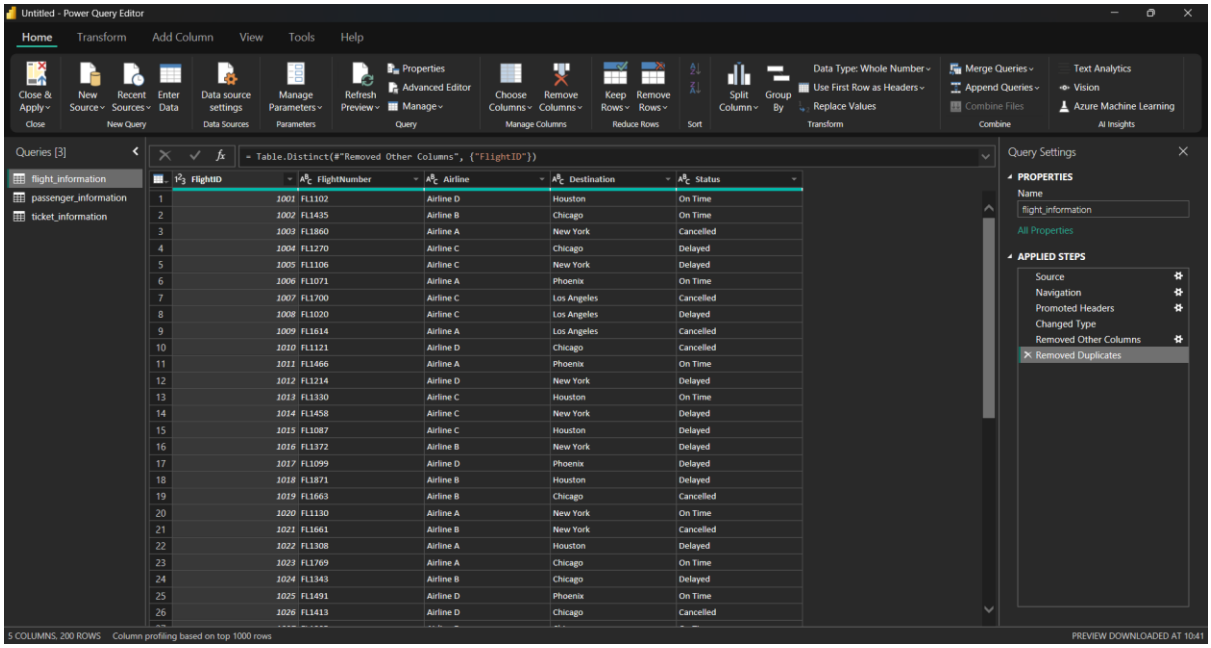
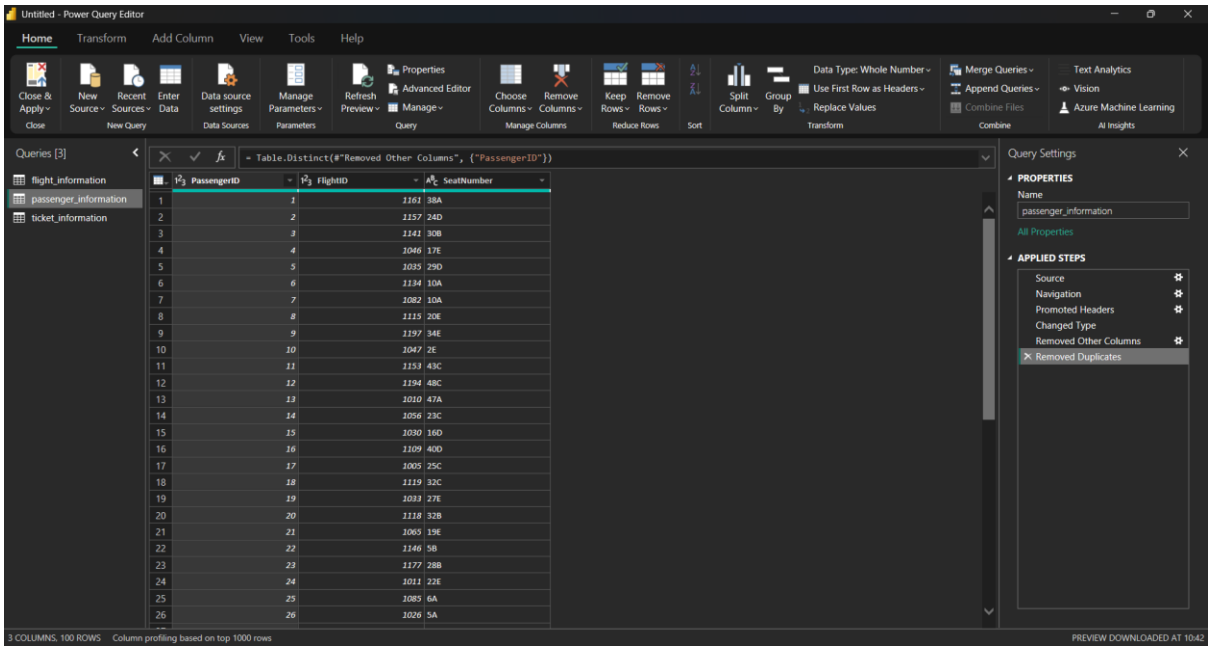
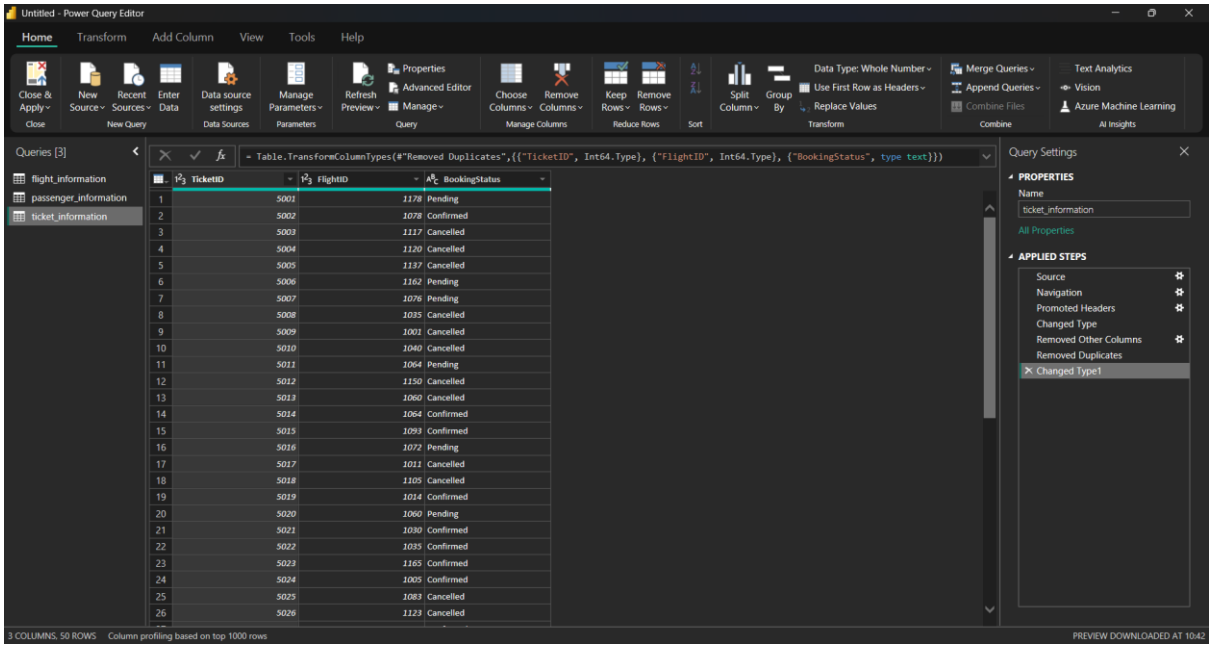
POWER BI FINAL PROJECT

TASK 1:



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Transform
Add Column
View
Tools
Help
Close & Apply
New Source
Recent Sources
Enter Data
Data source settings
Manage Parameters
Refresh Preview
Properties
Advanced Editor
Manage
Choose Columns
Remove Columns
Keep Rows
Remove Rows
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
Close
New Query
Data Sources
Parameters
Query
Manage Columns
Reduce Rows
Sort
Transform
Combine
AI Insights
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flight_information
passenger_information
ticket_information
= Table.TransformColumnTypes(#"Removed Duplicates",{{"TicketID", Int64.Type}, {"FlightID", Int64.Type}, {"BookingStatus", type text}})
TicketID
FlightID
BookingStatus
1 5001 1178 Pending
2 5002 1078 Confirmed
3 5003 1117 Cancelled
4 5004 1120 Cancelled
5 5005 1137 Cancelled
6 5006 1162 Pending
7 5007 1076 Pending
8 5008 1035 Cancelled
9 5009 1001 Cancelled
10 5010 1040 Cancelled
11 5011 1064 Pending
12 5012 1150 Cancelled
13 5013 1060 Cancelled
14 5014 1064 Confirmed
15 5015 1093 Confirmed
16 5016 1072 Pending
17 5017 1011 Cancelled
18 5018 1105 Cancelled
19 5019 1014 Confirmed
20 5020 1060 Pending
21 5021 1030 Confirmed
22 5022 1035 Confirmed
23 5023 1165 Confirmed
24 5024 1005 Confirmed
25 5025 1083 Cancelled
26 5026 1123 Cancelled
Query Settings
PROPERTIES
Name
ticket_information
All Properties
APPLIED STEPS
Source
Navigation
Promoted Headers
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Removed Other Columns
Removed Duplicates
Changed Type1
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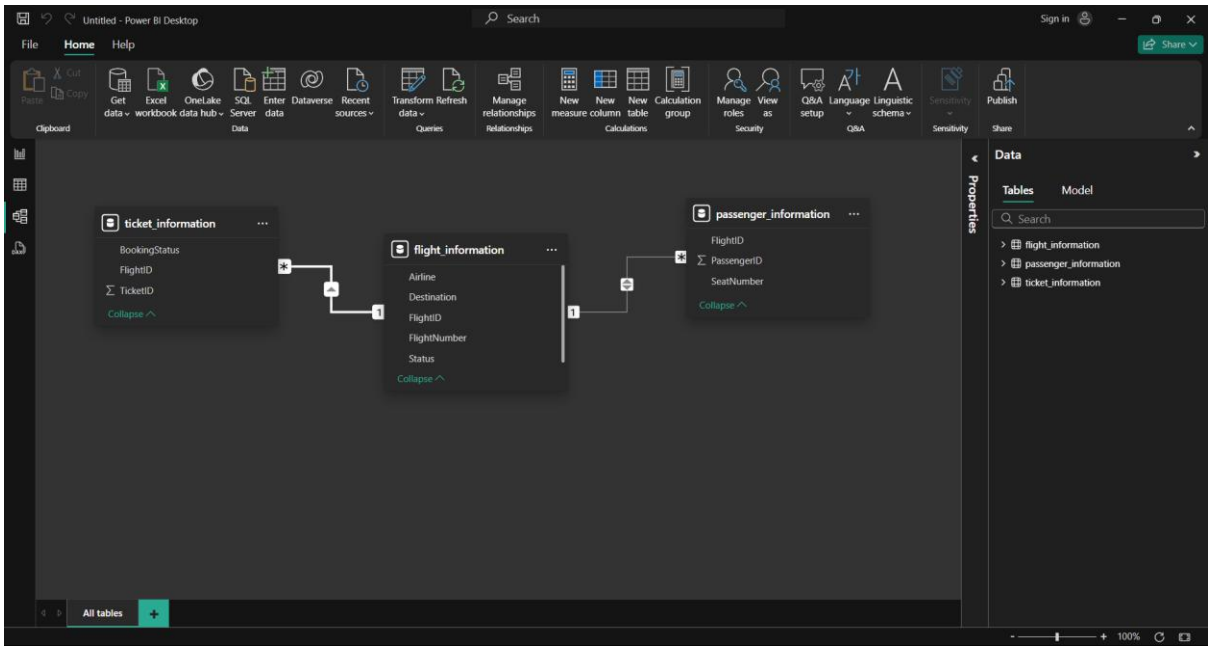
Column profiling based on top 1000 rows
PREVIEW DOWNLOADED AT 10:42

TASK 2: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Sign in
File
Home
Help
Share
Get data
Excel workbook
OneLake data hub
SQL Server
Enter data
Dataverse
Recent sources
Transform data
Refresh
Manage relationships
New measure
New column
New table
Calculation group
Manage roles
View as
Q&A setup
Language
Linguistic schema
Sensitivity
Publish
Clipboard
Data
Queries
Relationships
Calculations
Security
Q&A
Sensitivity
Share
ticket_information
BookingStatus
FlightID
TicketID
Collapse
flight_information
Airline
Destination
FlightID
FlightNumber
Status
Collapse
passenger_information
FlightID
PassengerID
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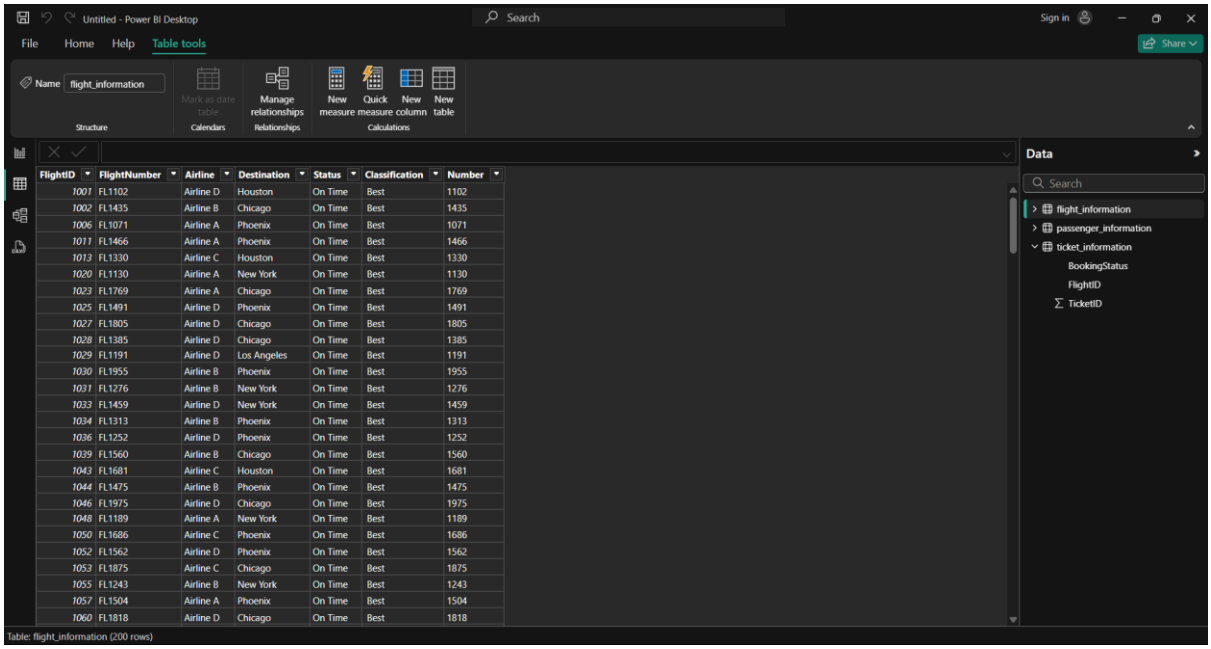
flight_information
passenger_information
ticket_information
All tables
100%

TASK 3:

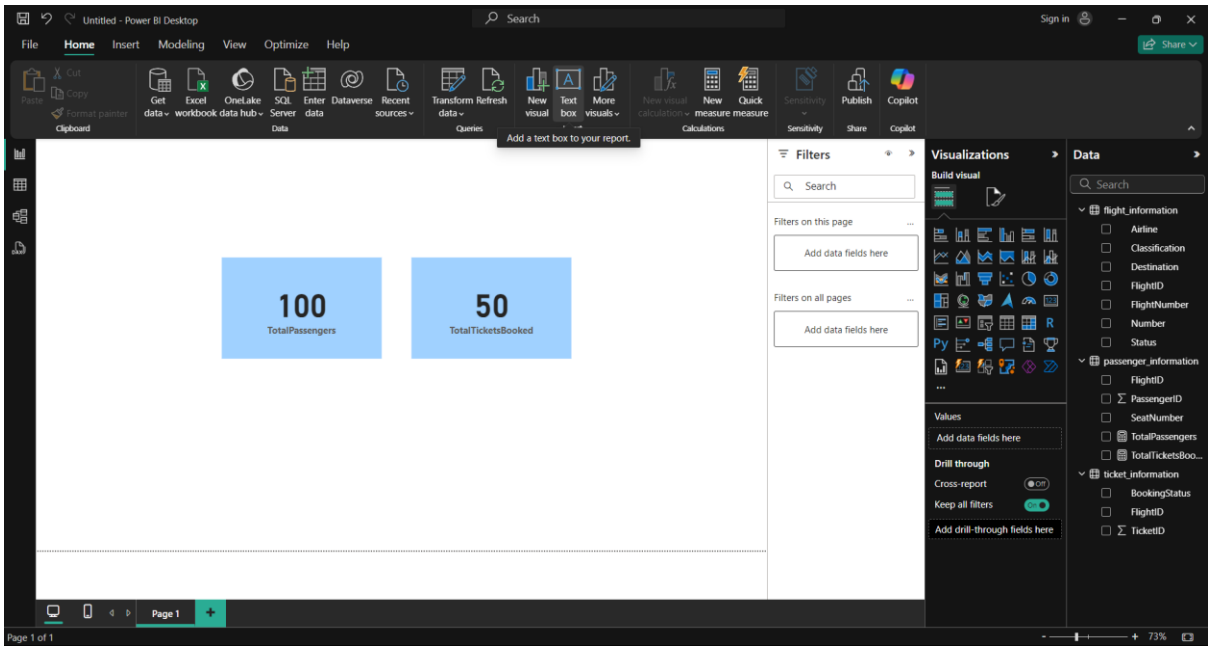


FlightID	FlightNumber	Airline	Destination	Status	Classification	Number
1001	FL1102	Airline D	Houston	On Time	Best	1102
1002	FL1435	Airline B	Chicago	On Time	Best	1435
1006	FL1071	Airline A	Phoenix	On Time	Best	1071
1011	FL1466	Airline A	Phoenix	On Time	Best	1466
1013	FL1330	Airline C	Houston	On Time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

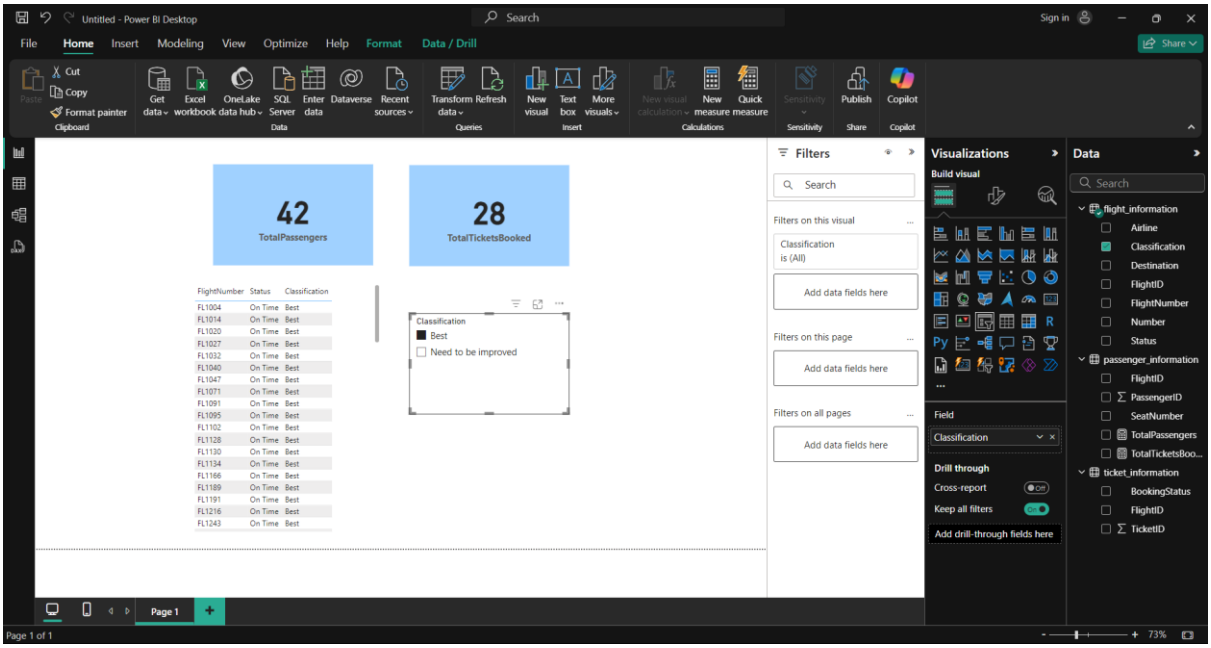
TASK 4:

- The dax query for total passengers is : TotalPassengers = COUNT(passenger_information[PassengerID]).

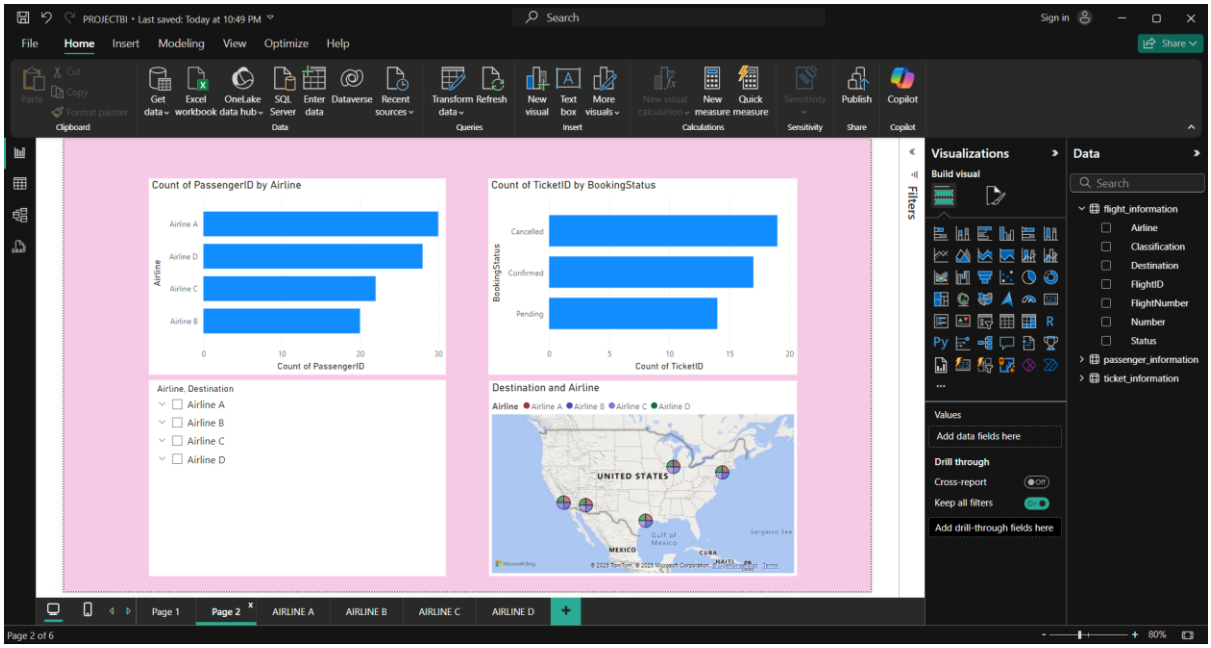
- The dax query for total tickets booked is : TotalTicketsBooked = COUNT(ticket_information[TicketID]).



- After applying filter:



TASK 5: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Airline A
Airline D
Airline C
Airline B
Airline
Count of PassengerID
Count of TicketID by BookingStatus
Cancelled
Confirmed
Pending
BookingStatus
Count of TicketID
Airline, Destination
Airline A
Airline B
Airline C
Airline D
Destination and Airline
UNITED STATES
MEXICO
CUBA
Visualizations
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Add data fields here
Drill through
Cross-report
Keep all filters
Add drill-through fields here
Data
Search
flight_information
Airline
Classification
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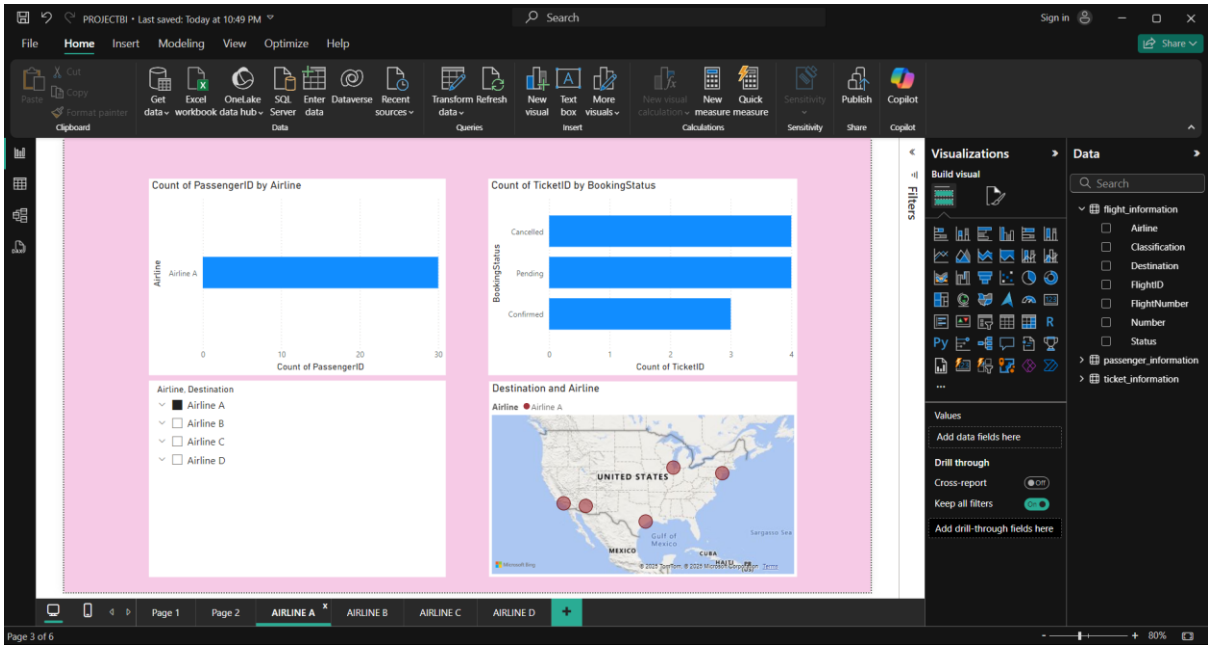
ticket_information
Page 1
Page 2
AIRLINE A
AIRLINE B
AIRLINE C
AIRLINE D
Page 2 of 6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Airline
Count of PassengerID
Count of TicketID by BookingStatus
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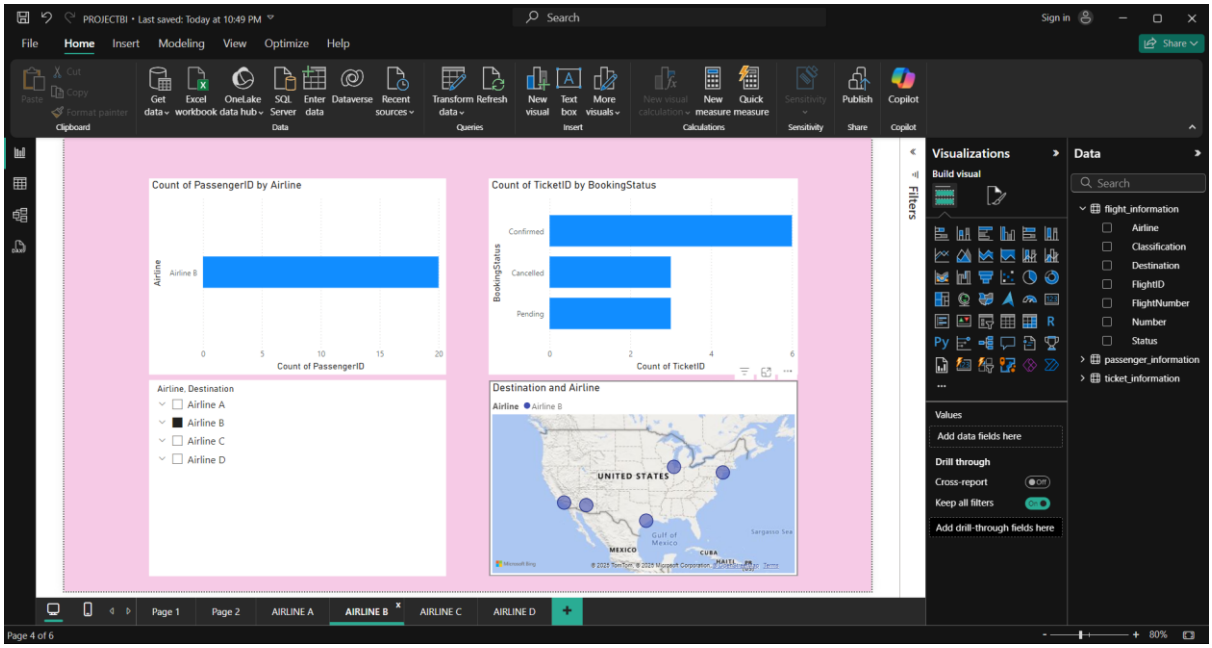
Page 3 of 6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Count of PassengerID by Airline
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AIRLINE D
Page 4 of 6
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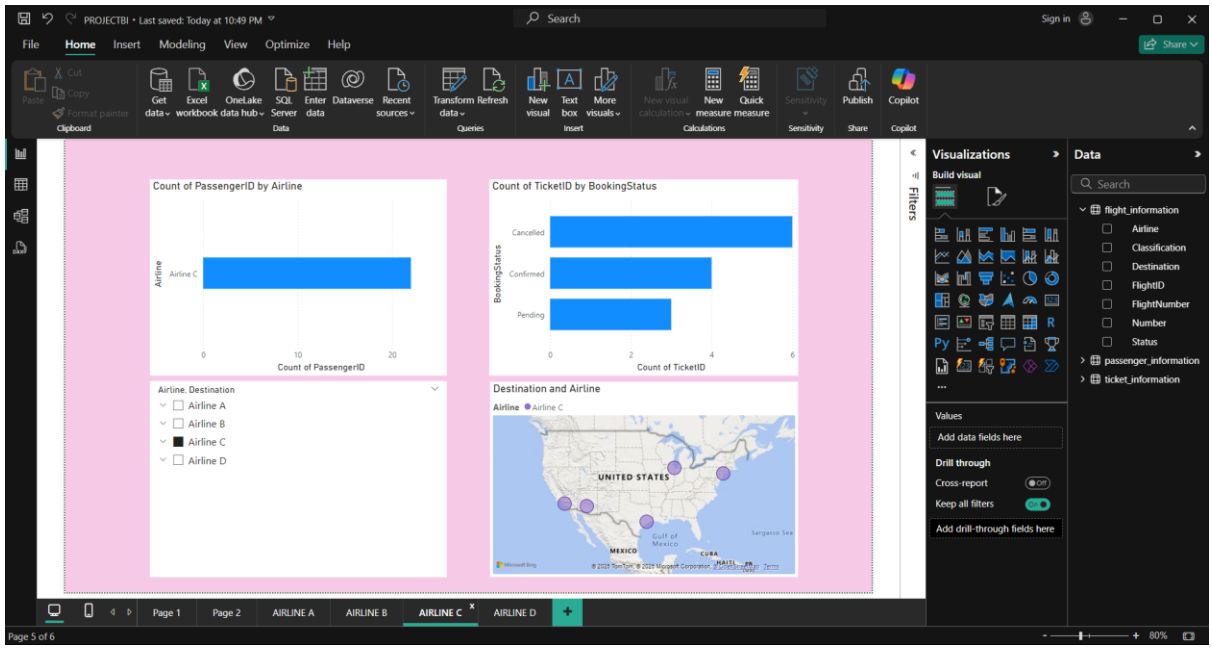
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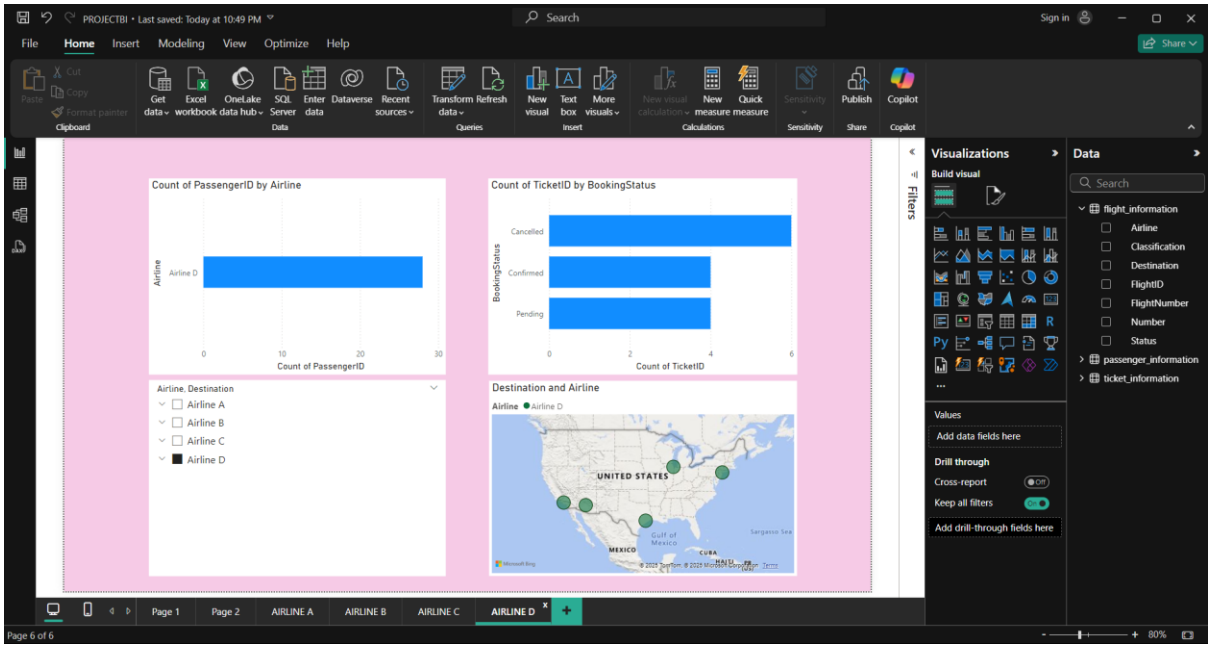
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Count of PassengerID
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Airline B
Airline C
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Page 1
Page 2
AIRLINE A
AIRLINE B
AIRLINE C
AIRLINE D
Page 6 of 6
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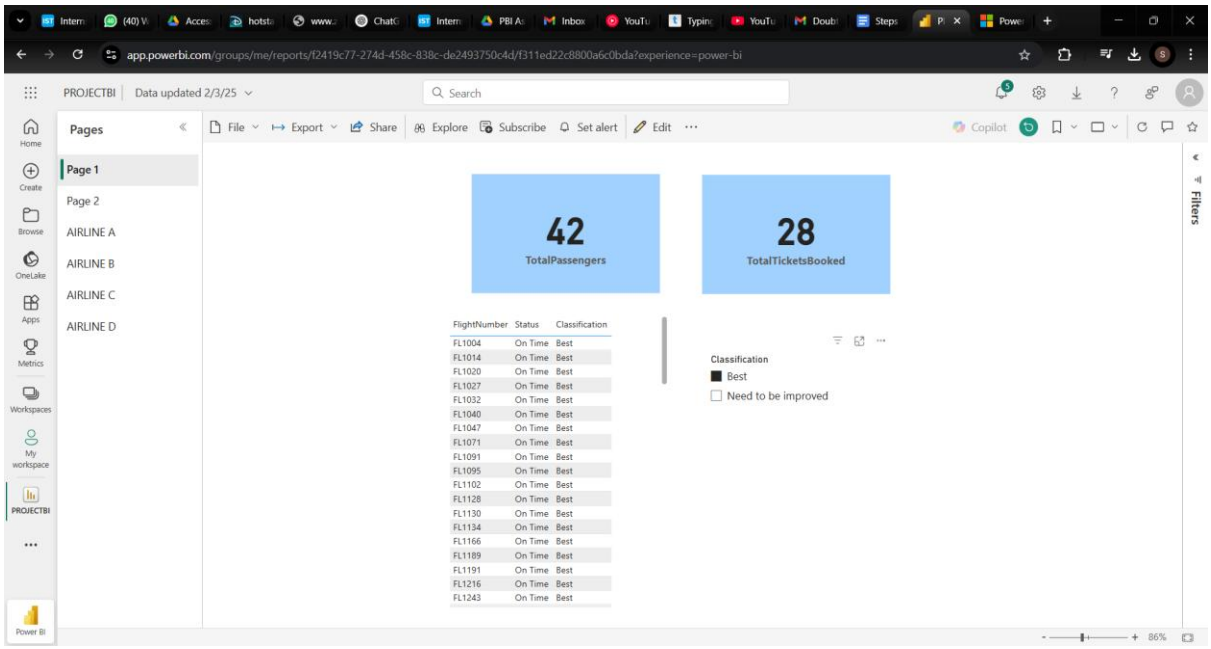
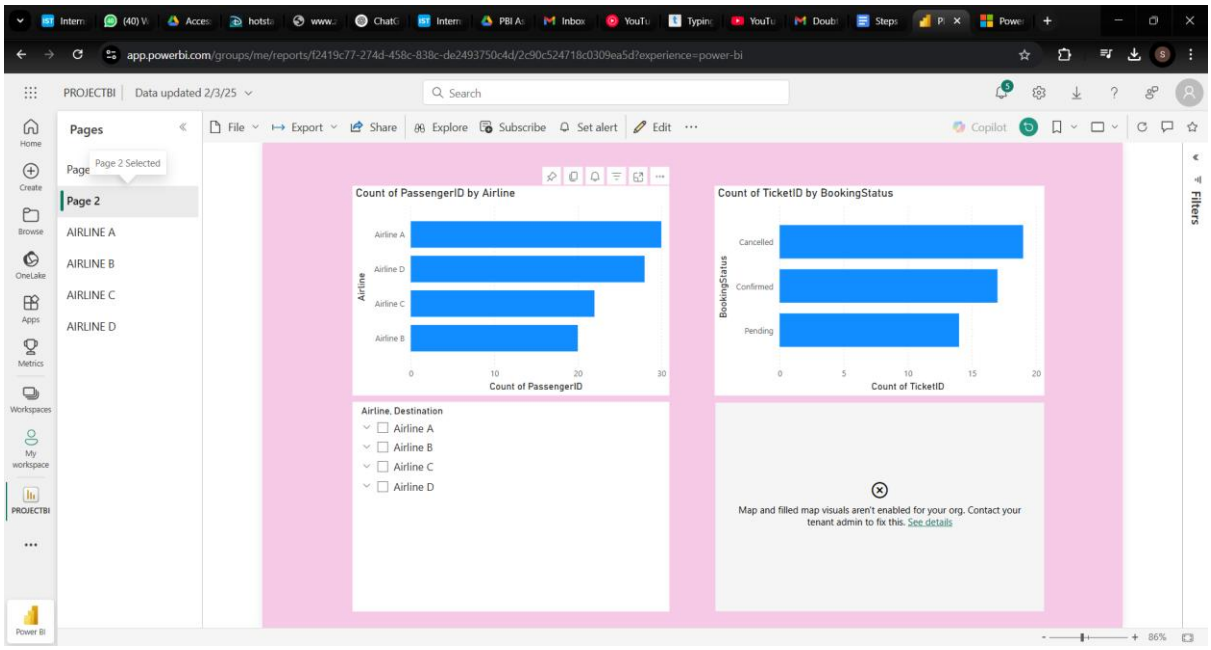
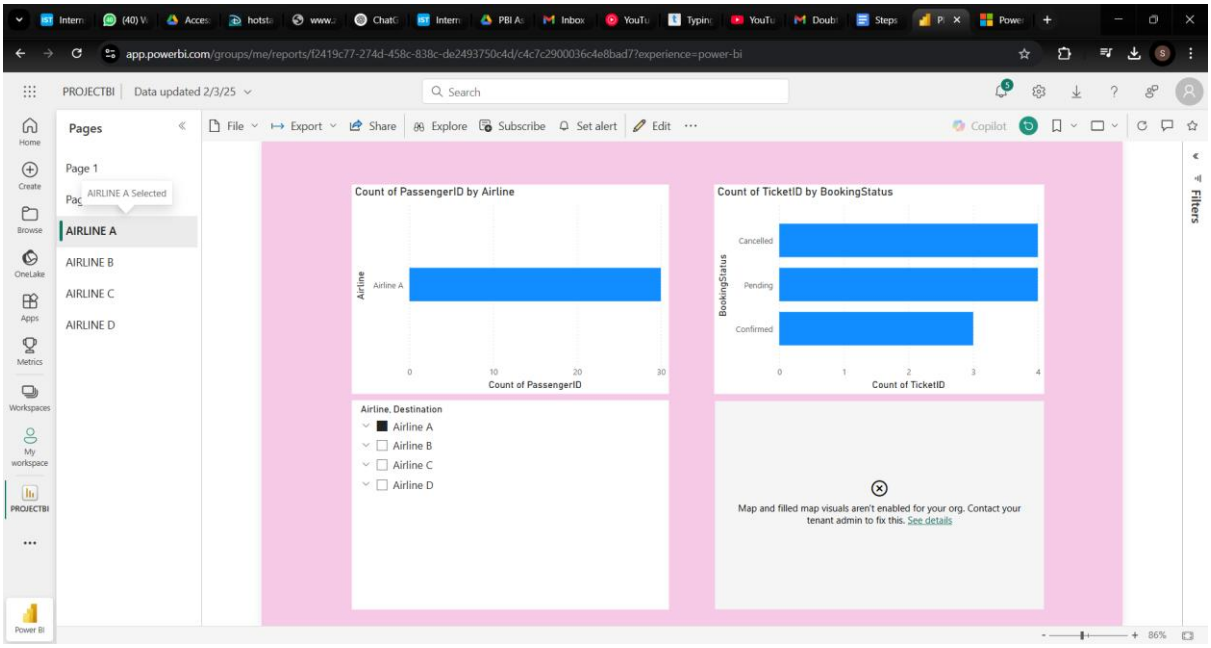
TASK 6:

DASHBOARD VIEW:



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PROJECTBI | Data updated 2/3/25
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File
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Count of PassengerID by Airline
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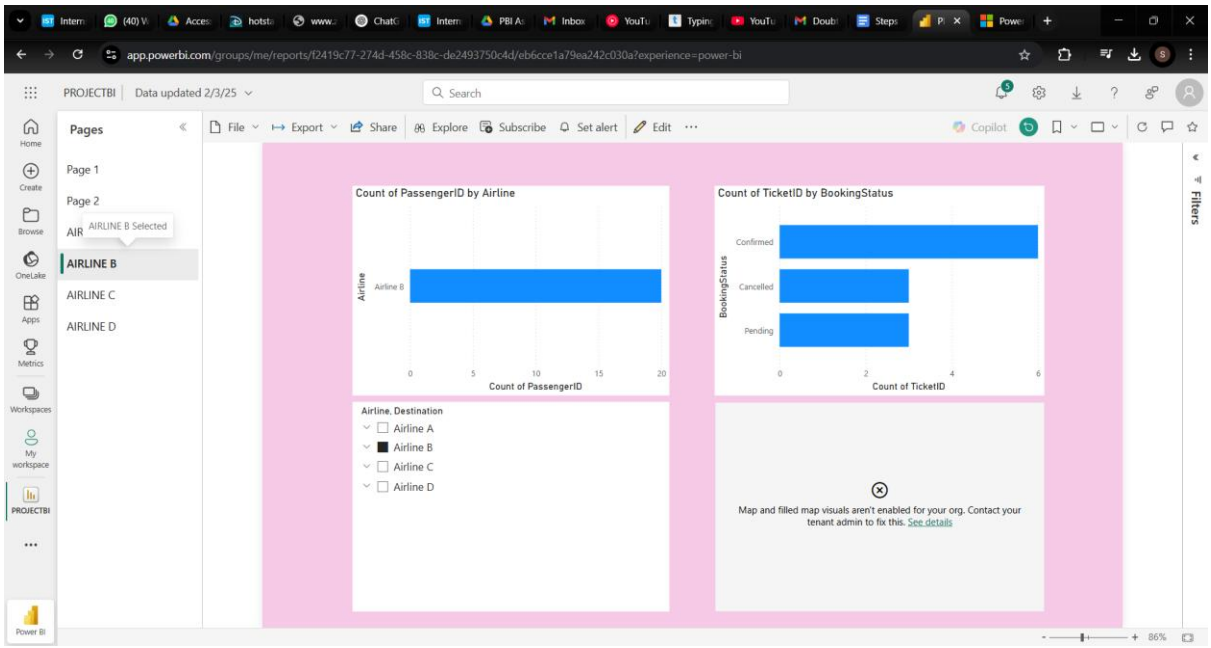
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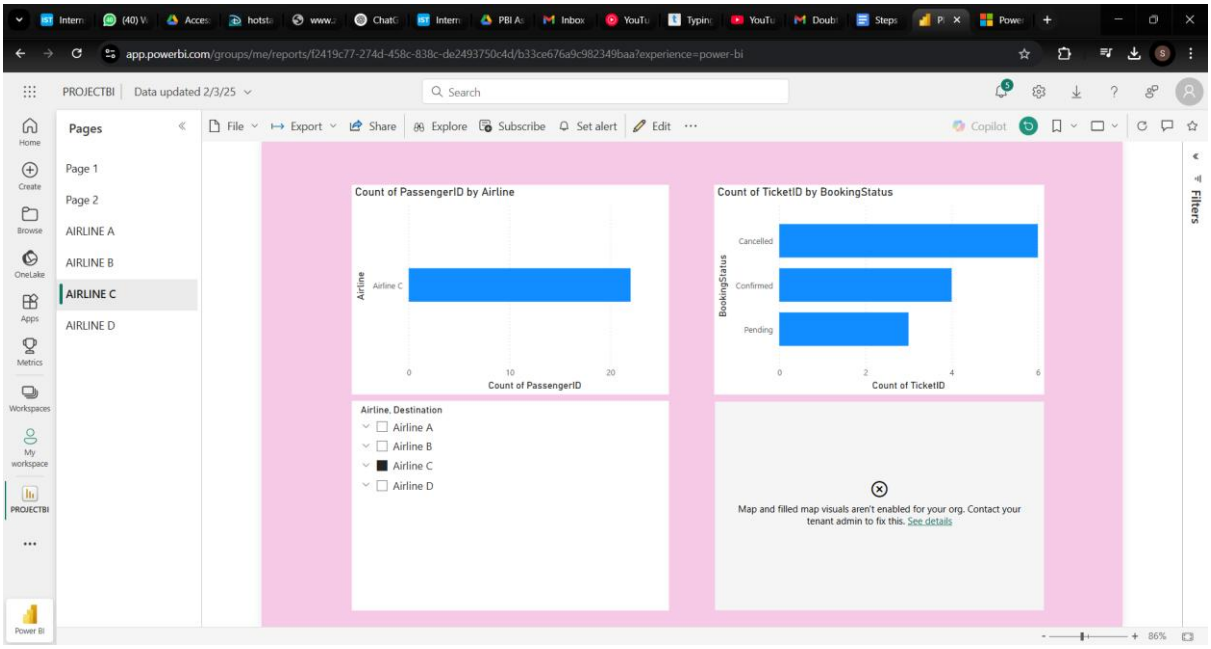
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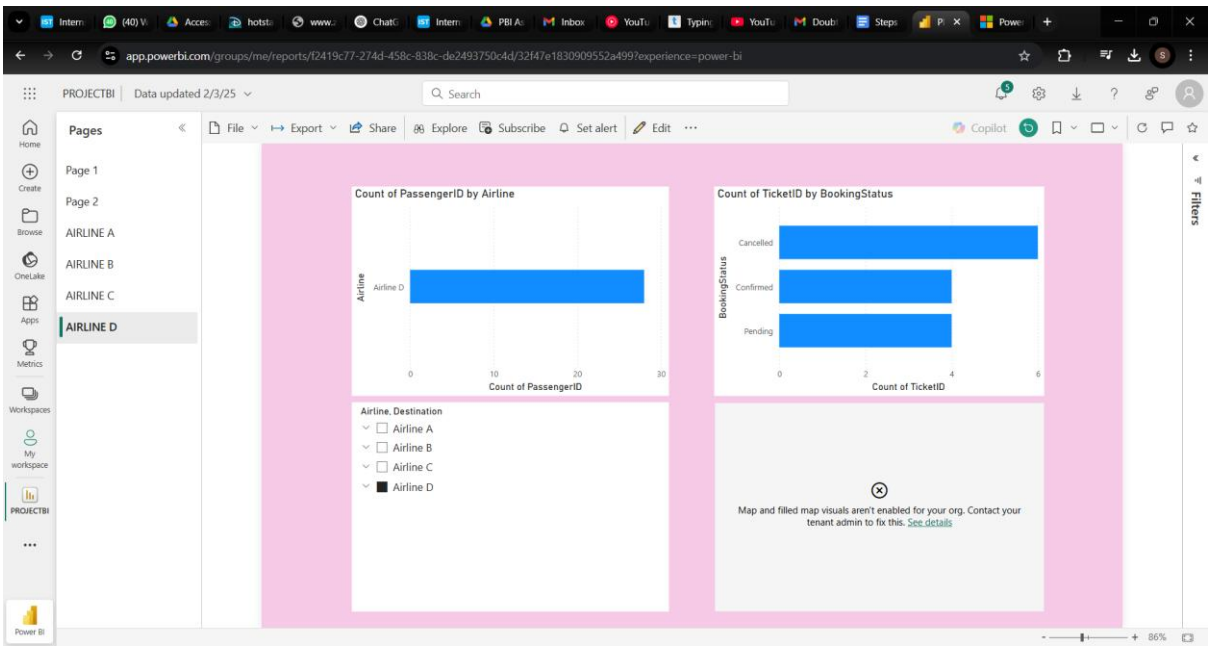
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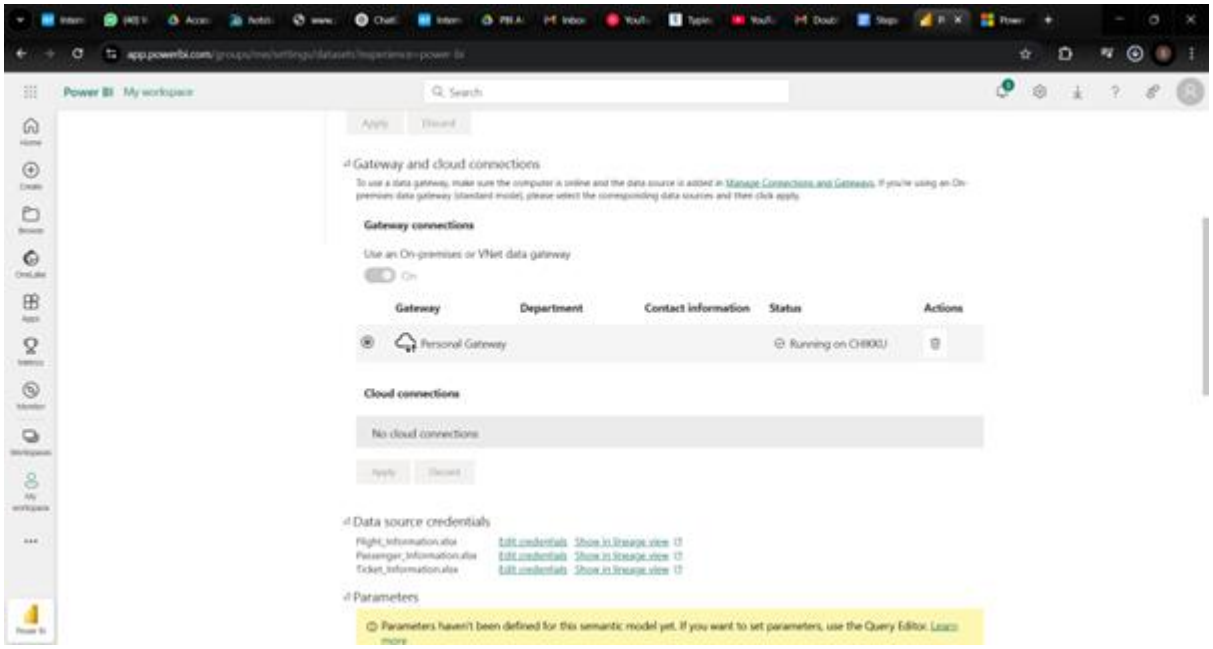
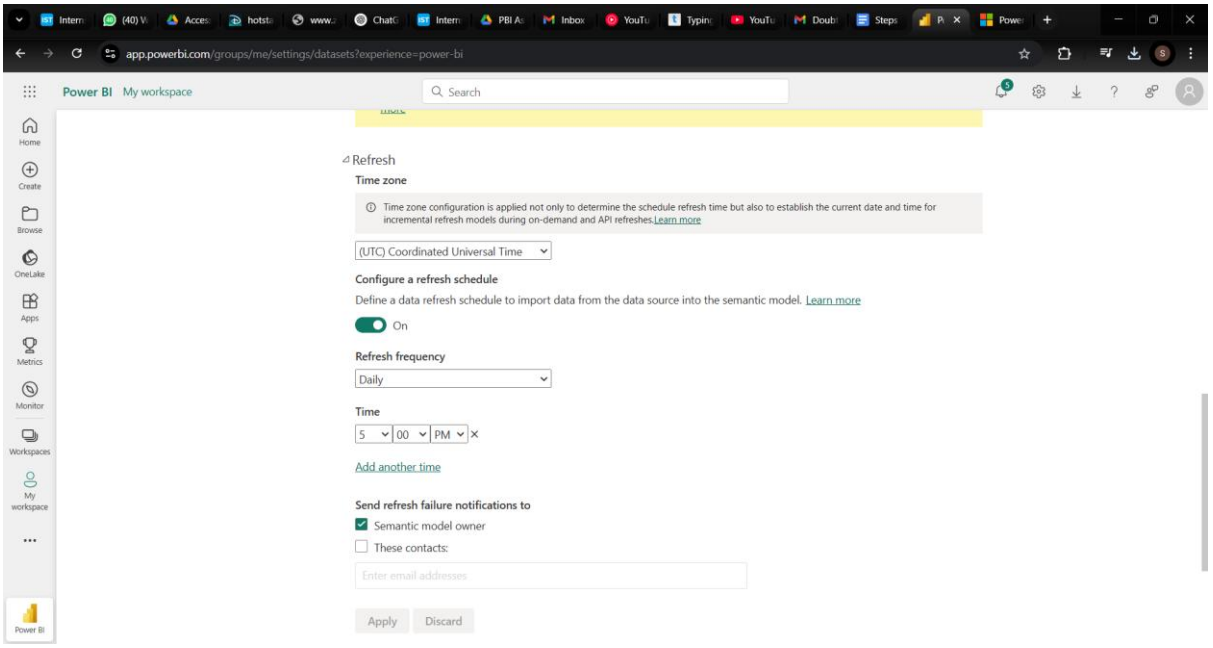
SCHEDULED REFRESH:





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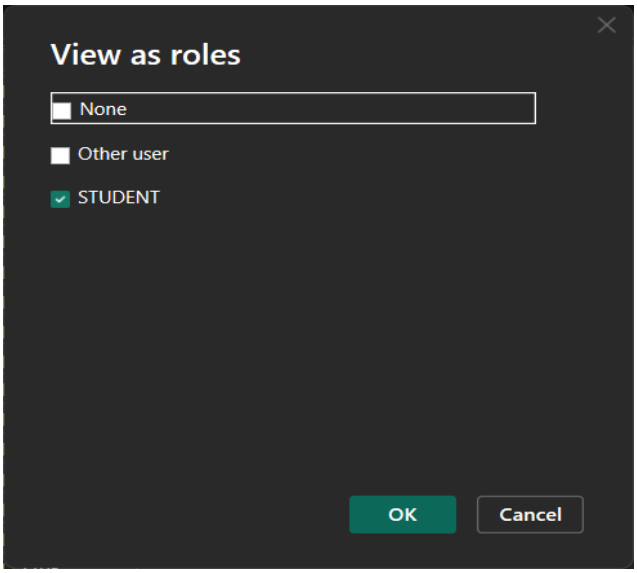
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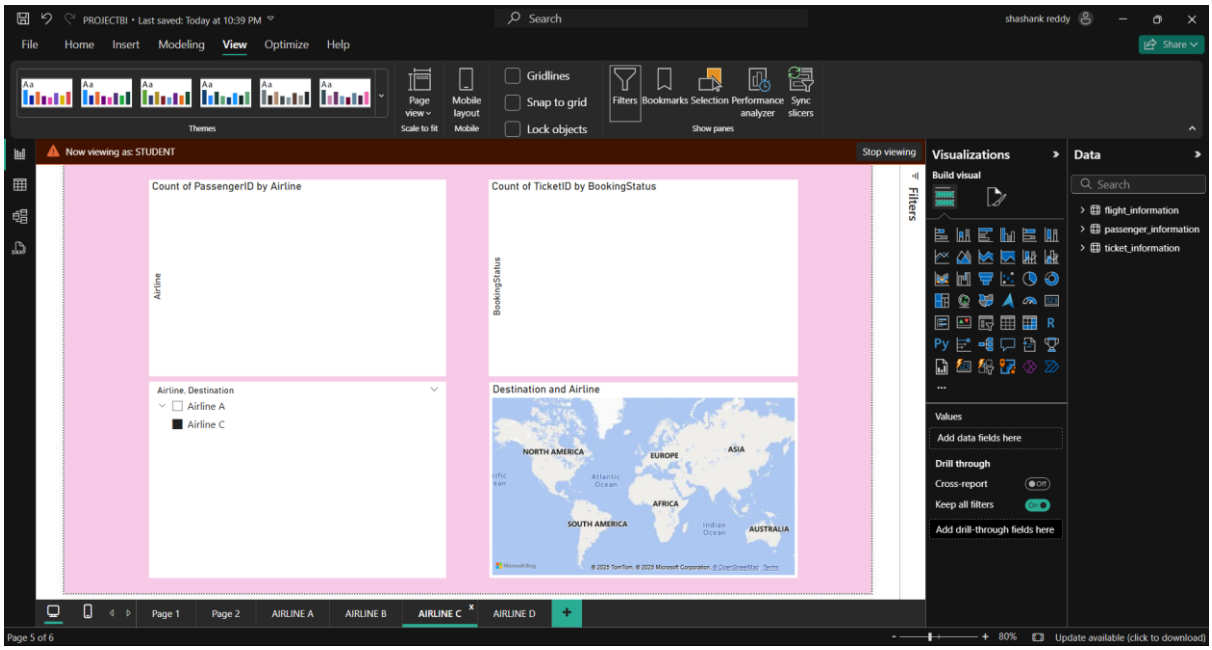
Other user
STUDENT
OK
Cancel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File
Home
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Modeling
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Themes
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Mobile layout
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Bookmarks
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Stop viewing
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Count of TicketID by BookingStatus
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Airline C
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Cross-report
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Add drill-through fields here
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passenger_information
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AIRLINE A
AIRLINE B
AIRLINE C
AIRLINE D
Page 5 of 6
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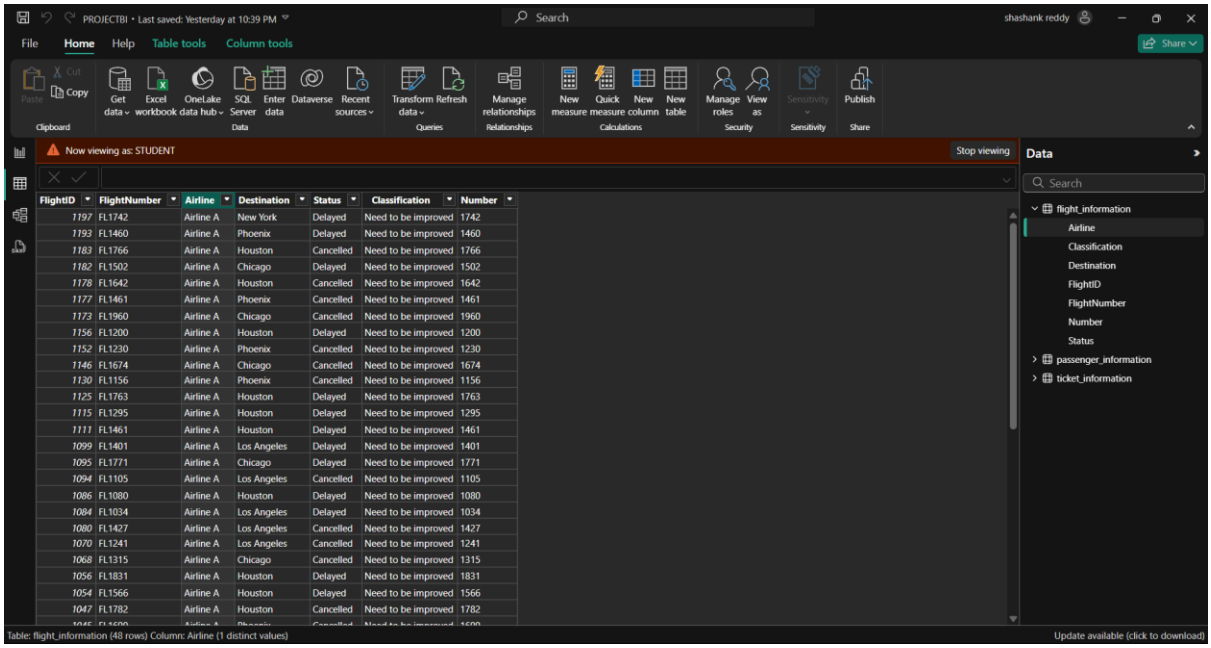
Update available (click to download)



FlightID	FlightNumber	Airline	Destination	Status	Classification	Number
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1193	FL1460	Airline A	Phoenix	Delayed	Need to be improved	1460
1183	FL1766	Airline A	Houston	Cancelled	Need to be improved	1766
1182	FL1502	Airline A	Chicago	Delayed	Need to be improved	1502
1178	FL1642	Airline A	Houston	Cancelled	Need to be improved	1642
1177	FL1461	Airline A	Phoenix	Cancelled	Need to be improved	1461
1173	FL1960	Airline A	Chicago	Cancelled	Need to be improved	1960
1156	FL1200	Airline A	Houston	Delayed	Need to be improved	1200
1152	FL1230	Airline A	Phoenix	Cancelled	Need to be improved	1230
1146	FL1674	Airline A	Chicago	Cancelled	Need to be improved	1674
1130	FL1156	Airline A	Phoenix	Cancelled	Need to be improved	1156
1125	FL1763	Airline A	Houston	Delayed	Need to be improved	1763
1115	FL1295	Airline A	Houston	Delayed	Need to be improved	1295
1111	FL1461	Airline A	Houston	Delayed	Need to be improved	1461
1099	FL1401	Airline A	Los Angeles	Delayed	Need to be improved	1401
1095	FL1771	Airline A	Chicago	Delayed	Need to be improved	1771
1094	FL1105	Airline A	Los Angeles	Cancelled	Need to be improved	1105
1086	FL1080	Airline A	Houston	Delayed	Need to be improved	1080
1084	FL1034	Airline A	Los Angeles	Delayed	Need to be improved	1034
1080	FL1427	Airline A	Los Angeles	Cancelled	Need to be improved	1427
1070	FL1241	Airline A	Los Angeles	Cancelled	Need to be improved	1241
1068	FL1315	Airline A	Chicago	Cancelled	Need to be improved	1315
1056	FL1831	Airline A	Houston	Delayed	Need to be improved	1831
1054	FL1566	Airline A	Houston	Delayed	Need to be improved	1566
1047	FL1782	Airline A	Houston	Cancelled	Need to be improved	1782

Video link:
https://drive.google.com/file/d/1ZZUa0PKF05sbZnPpd1Pazr_cNbffv9B7/view?usp=drive_link