VIDEOLINK

AIRLINE DATA MANAGEMENT AND ANALYSIS USING POWER BI [SOLUTIONS]

1. DATA PREPARATION AND CLEANING:

SCREENSHOTS OF CLEANED DATA IN POWER QUERY EDITOR:

TABLE 1:

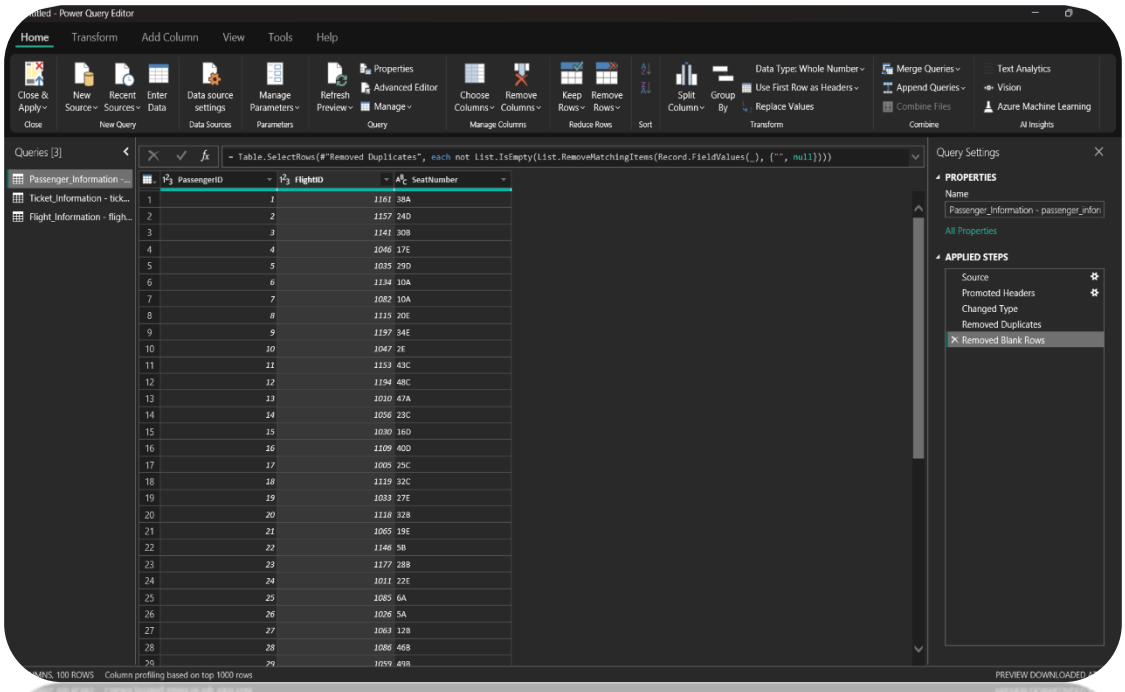


TABLE 2:

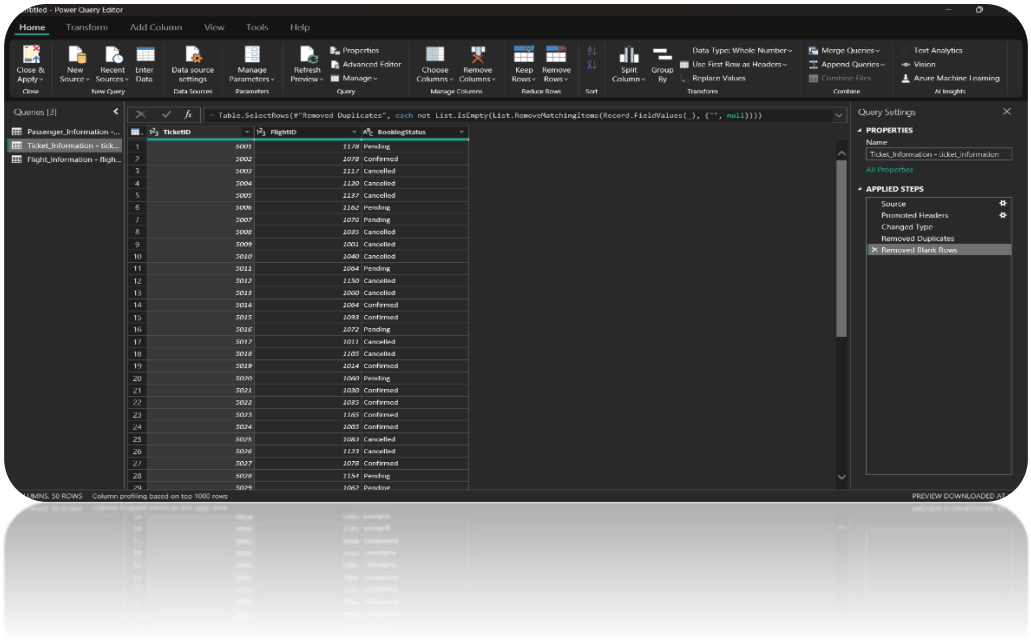
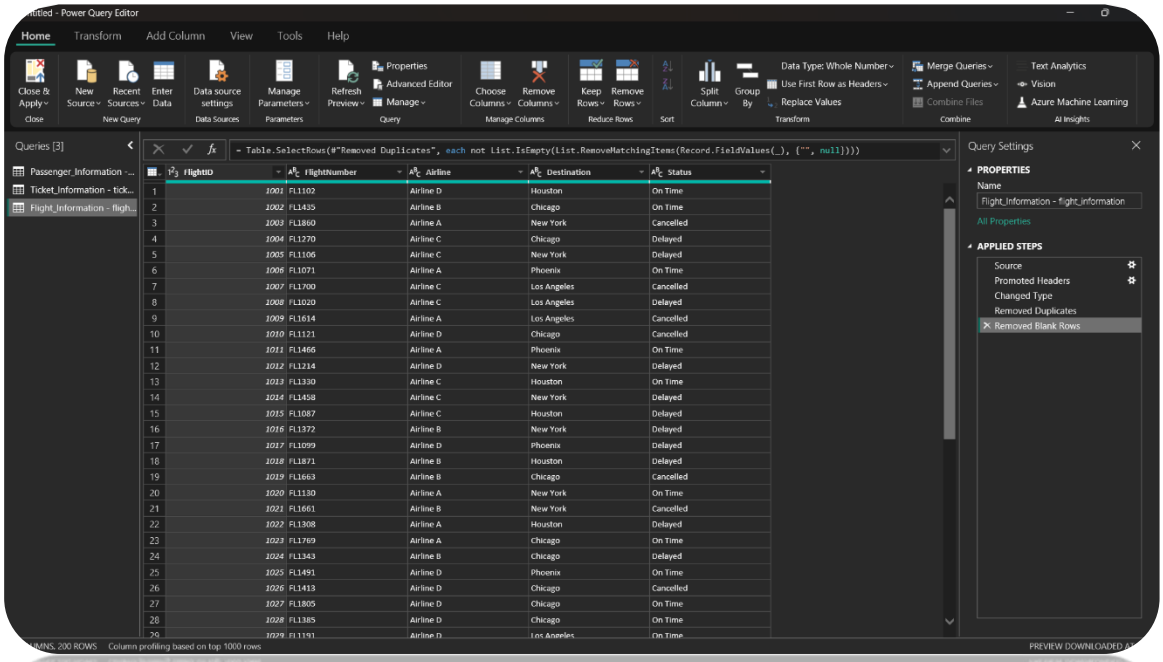
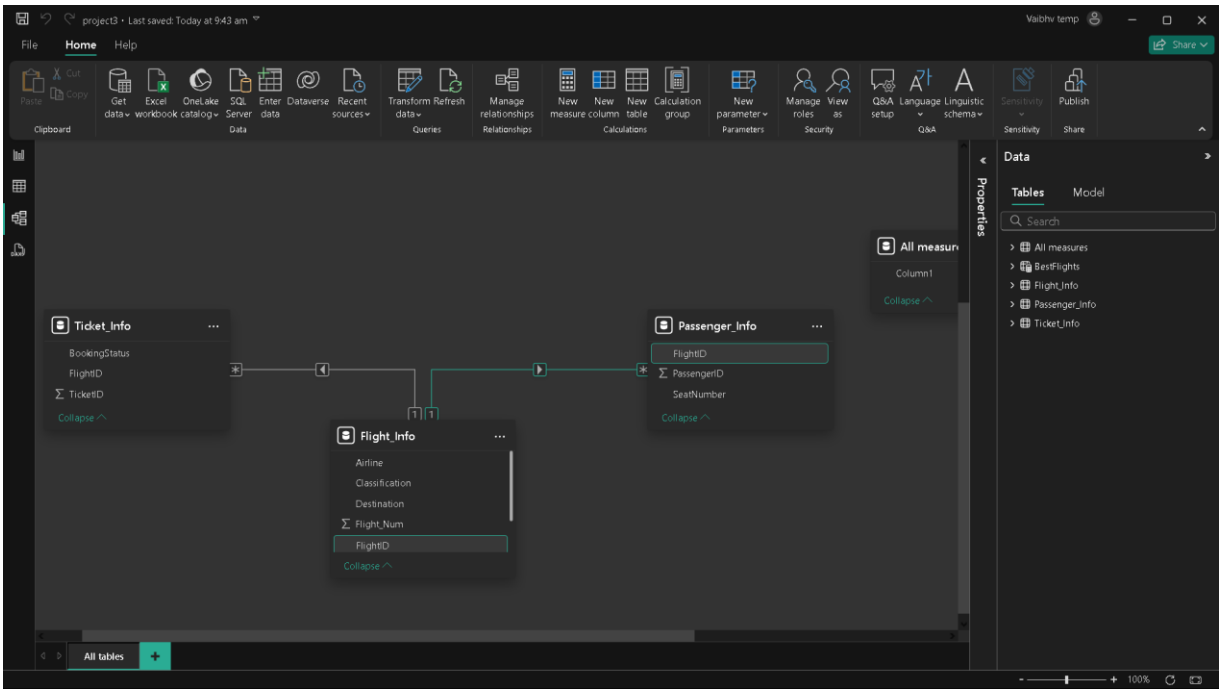


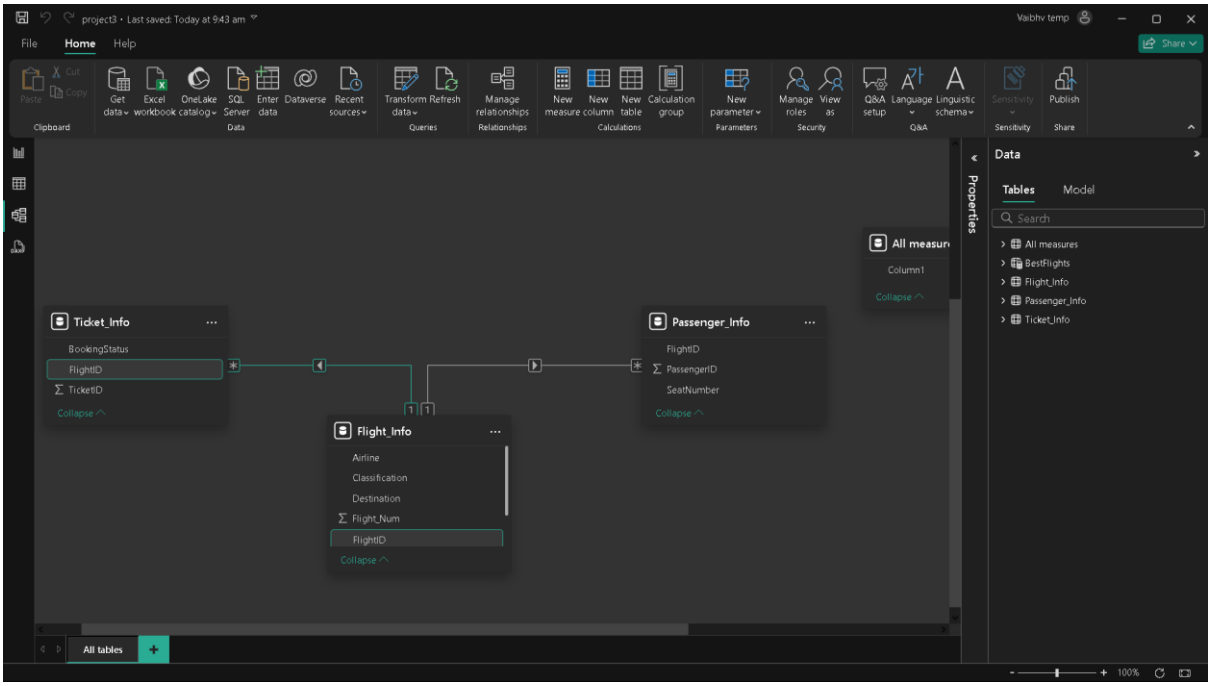
TABLE 3:



2. DATA MODELING:

SCREENSHOT OF THE DATA MODEL WITH RELATIONSHIPS.

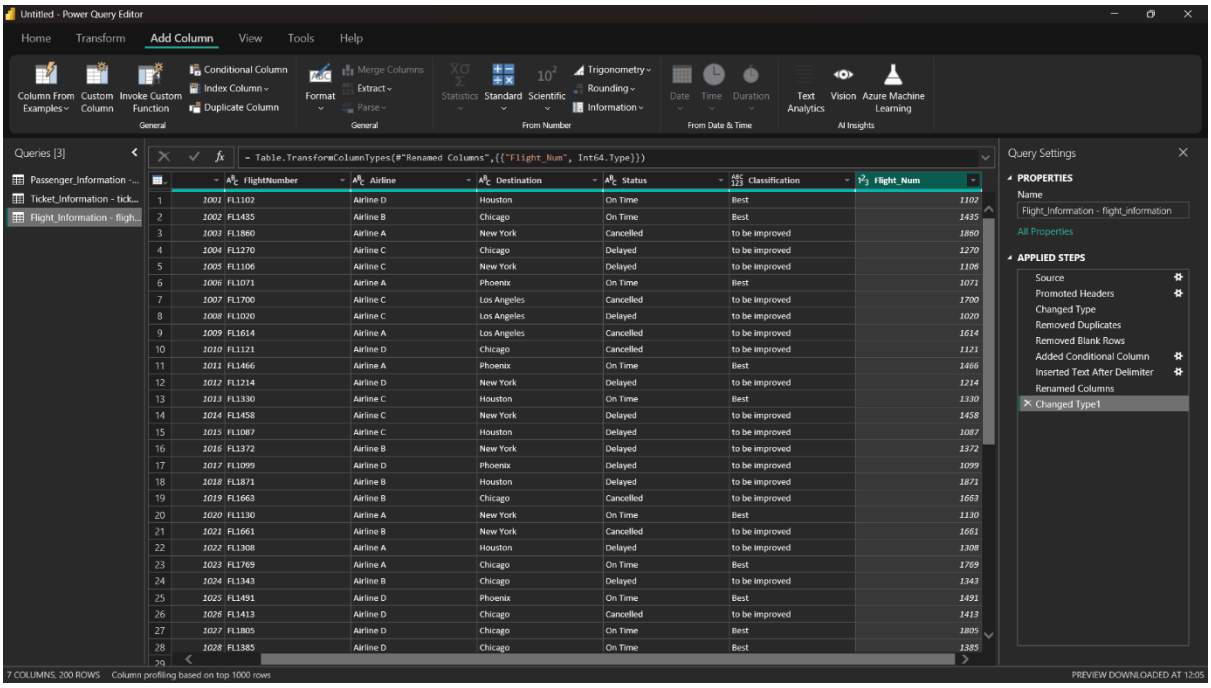




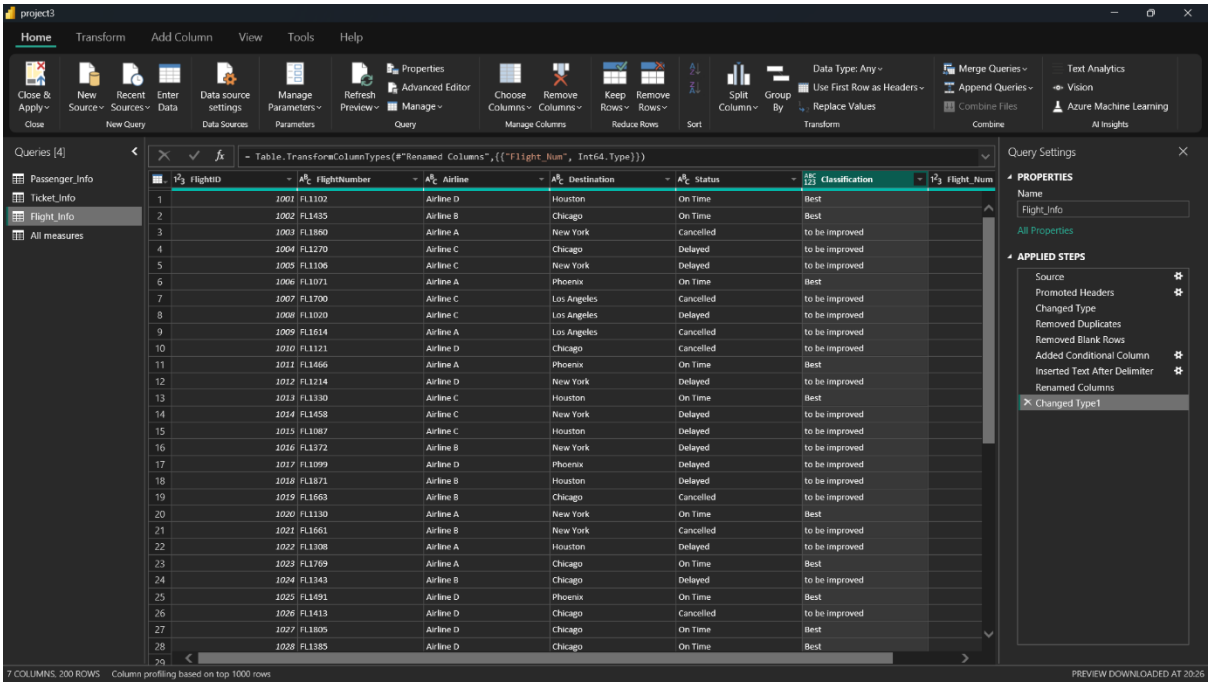
3. Enhanced Data Insights

Screenshot of the transformed data.

Column from Example:



Conditional Column:



4. CALCULATIONS USING DAX:

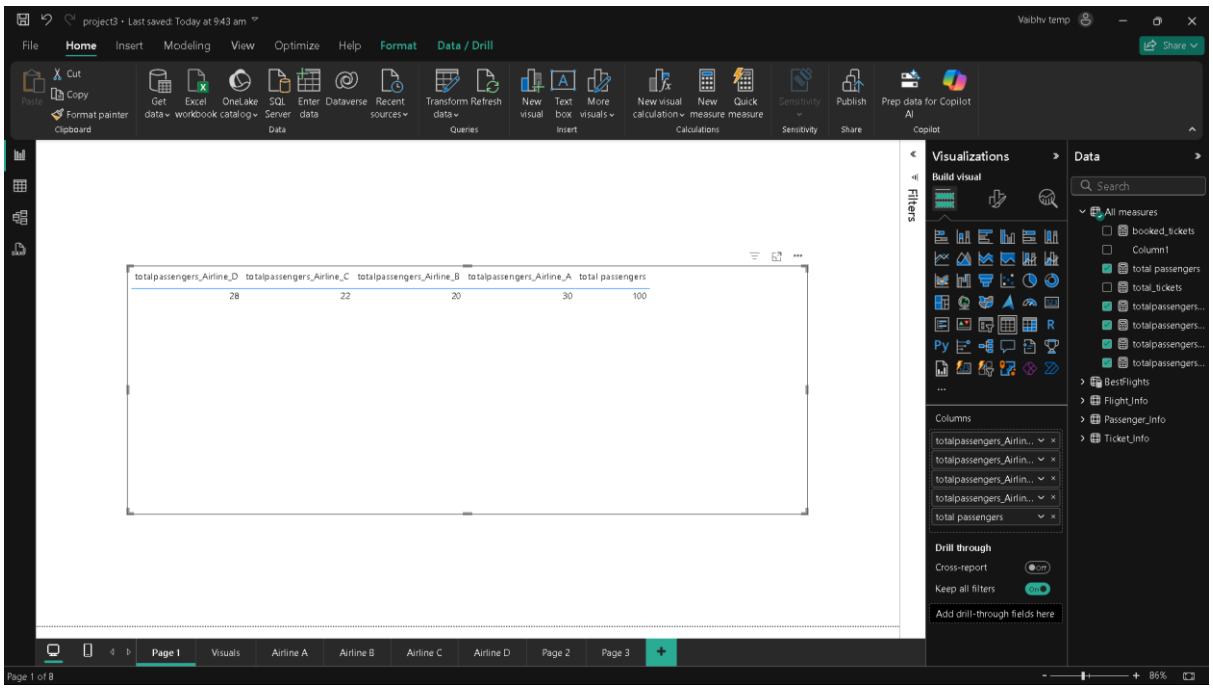
1. DAX: SPECIFIC AIRLINE(A,B,C,D)

TOTALPASSENGERS_AIRLINE_A = CALCULATE([TOTAL PASSENGERS],FLIGHT_INFO[AIRLINE] = "AIRLINE A")

TOTALPASSENGERS_AIRLINE_B = CALCULATE([TOTAL PASSENGERS],FLIGHT_INFO[AIRLINE] = "AIRLINE B")

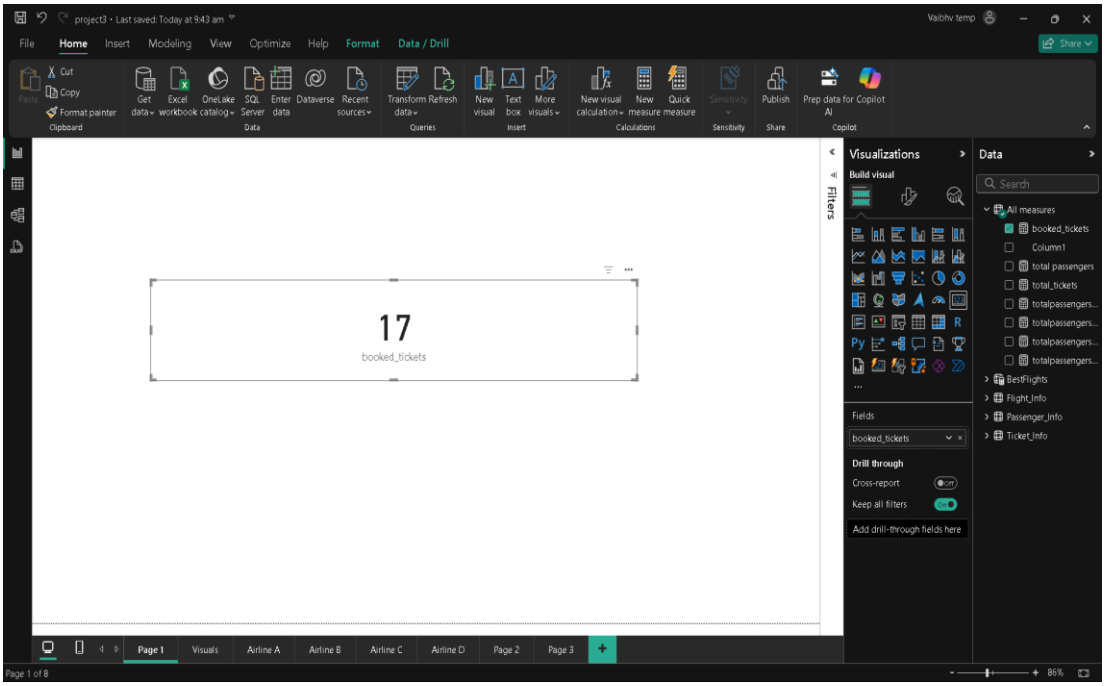
TOTALPASSENGERS_AIRLINE_C = CALCULATE([TOTAL PASSENGERS],FLIGHT_INFO[AIRLINE] = "AIRLINE C")

TOTALPASSENGERS_AIRLINE_D = CALCULATE([TOTAL PASSENGERS],FLIGHT_INFO[AIRLINE] = "AIRLINE D")



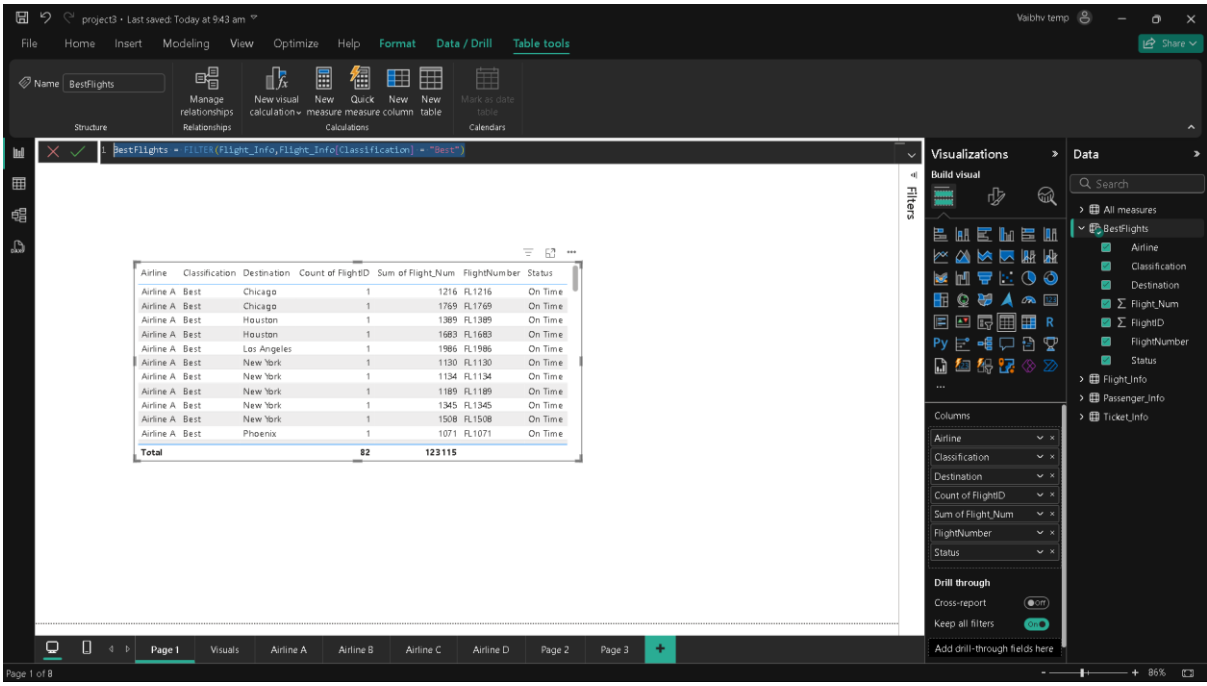
2: DAX:

BOOKED_TICKETS = CALCULATE([TOTAL_TICKETS],TICKET_INFO[BOOKINGSTATUS] = "CONFIRMED")



3: DAX : [TABLE]

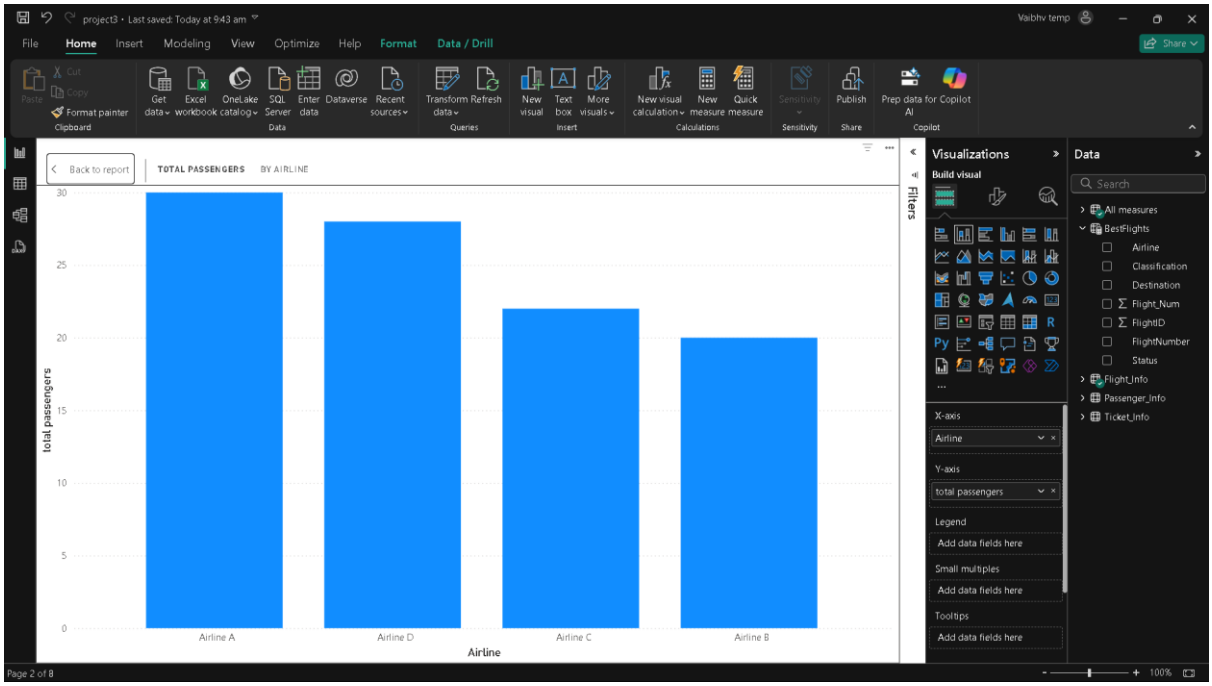
BESTFLIGHTS = FILTER(FLIGHT_INFO,FLIGHT_INFO[CLASSIFICATION] = "BEST")



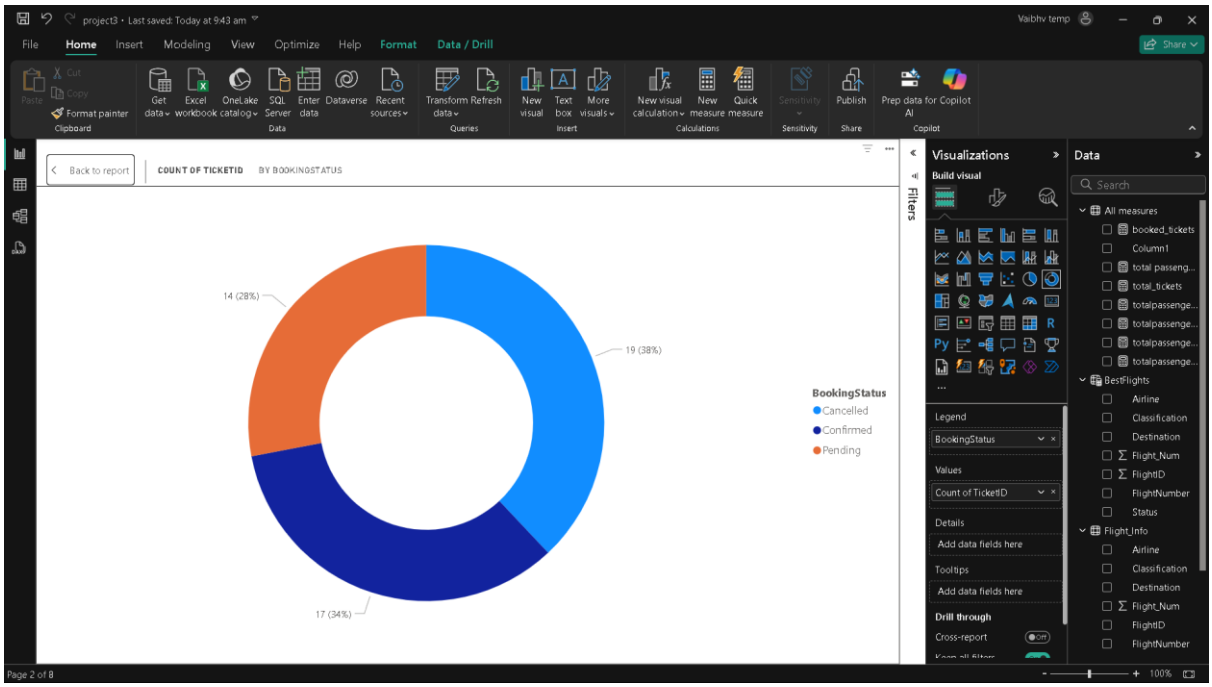
5 : VISUALIZATION AND INTERACTIVE FEATURES

1. VISUALS:

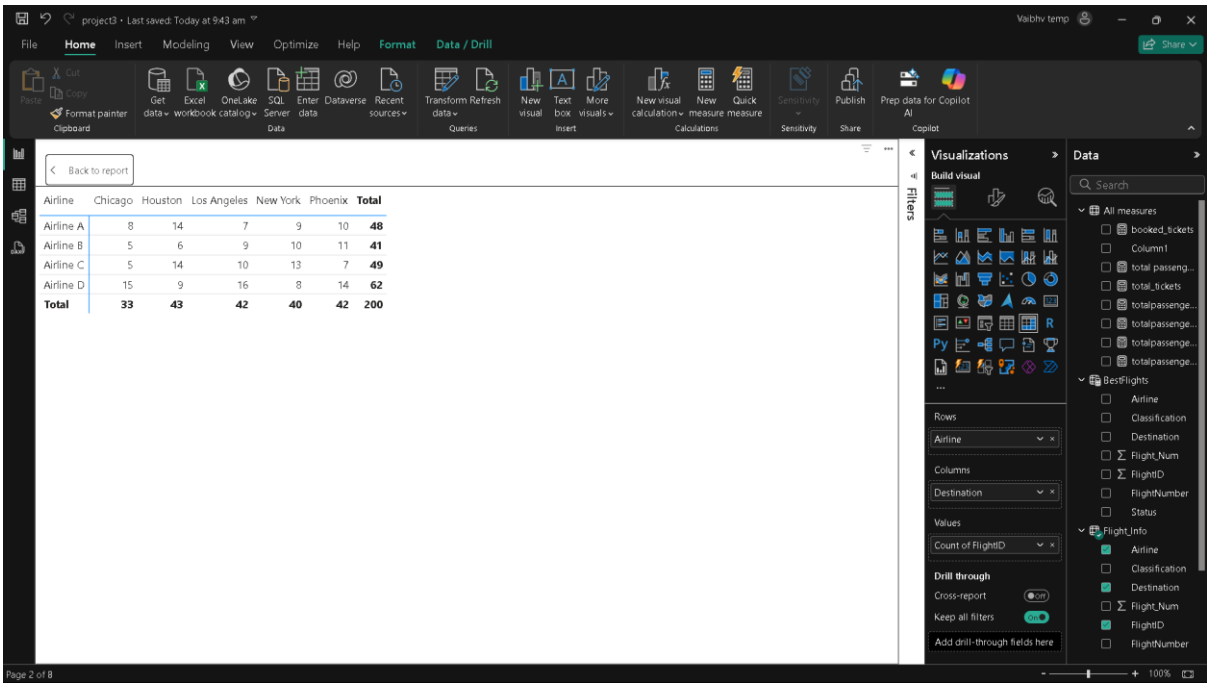
I. PASSENGER COUNT BY AIRLINE.



II. TICKET BOOKING STATUSES.

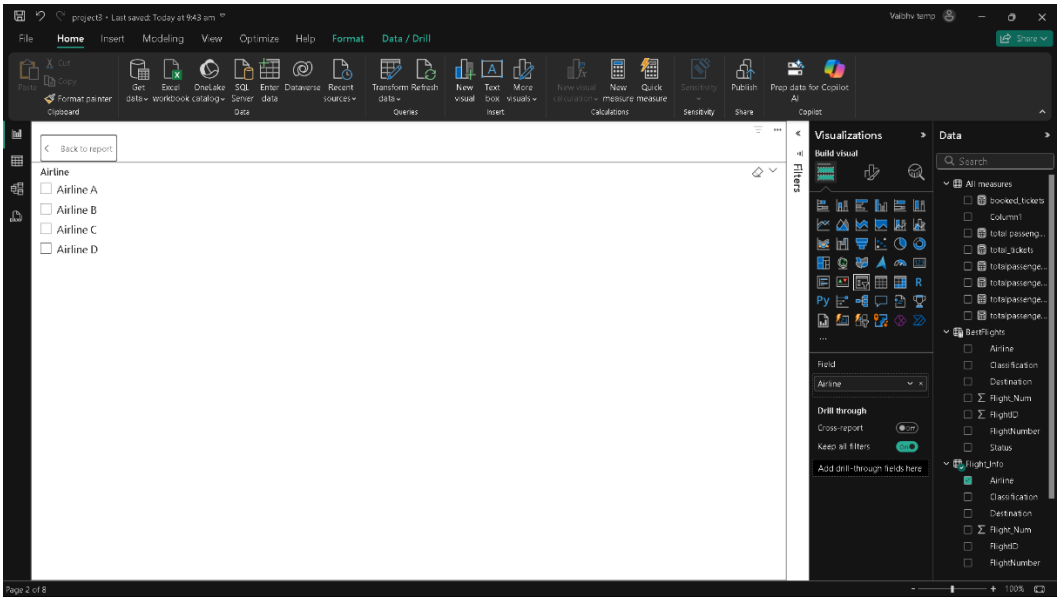


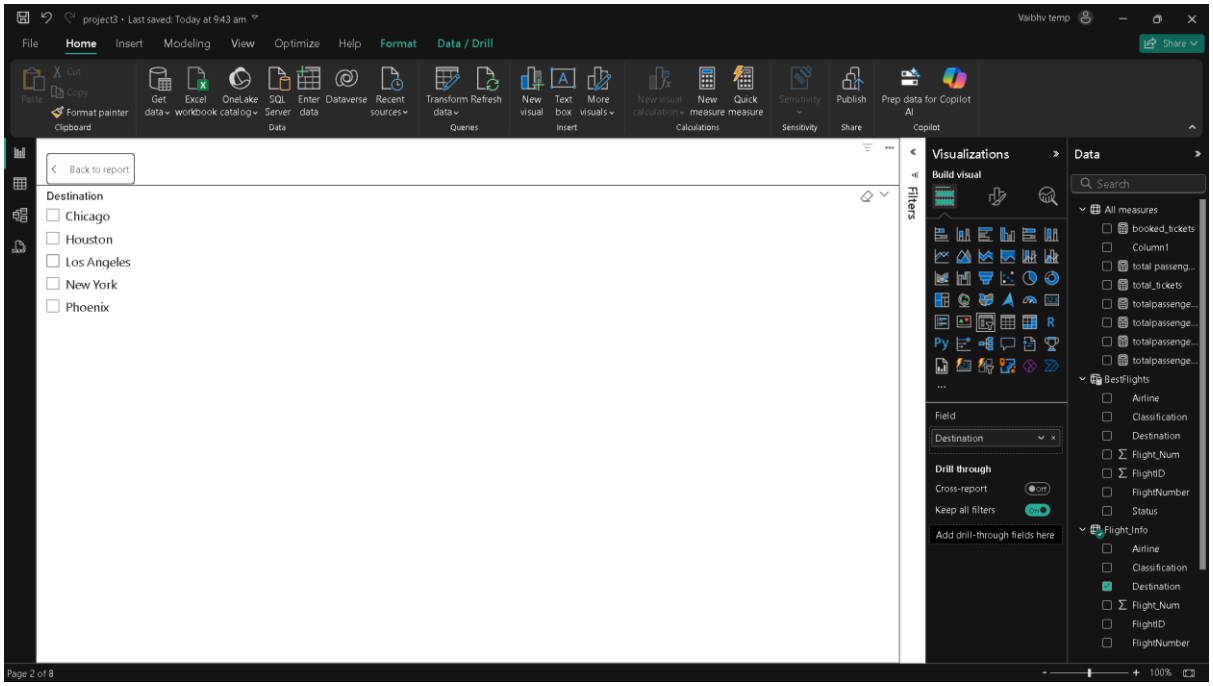
III. FLIGHTS BY AIRLINE AND DESTINATION.



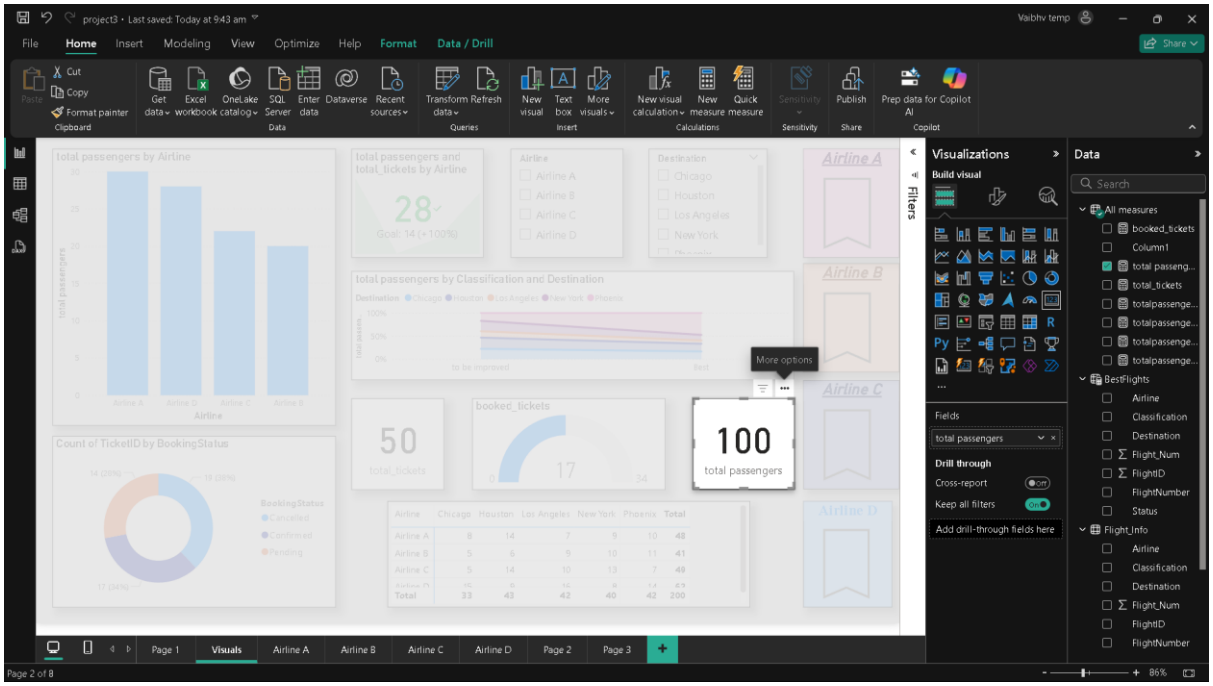
2.

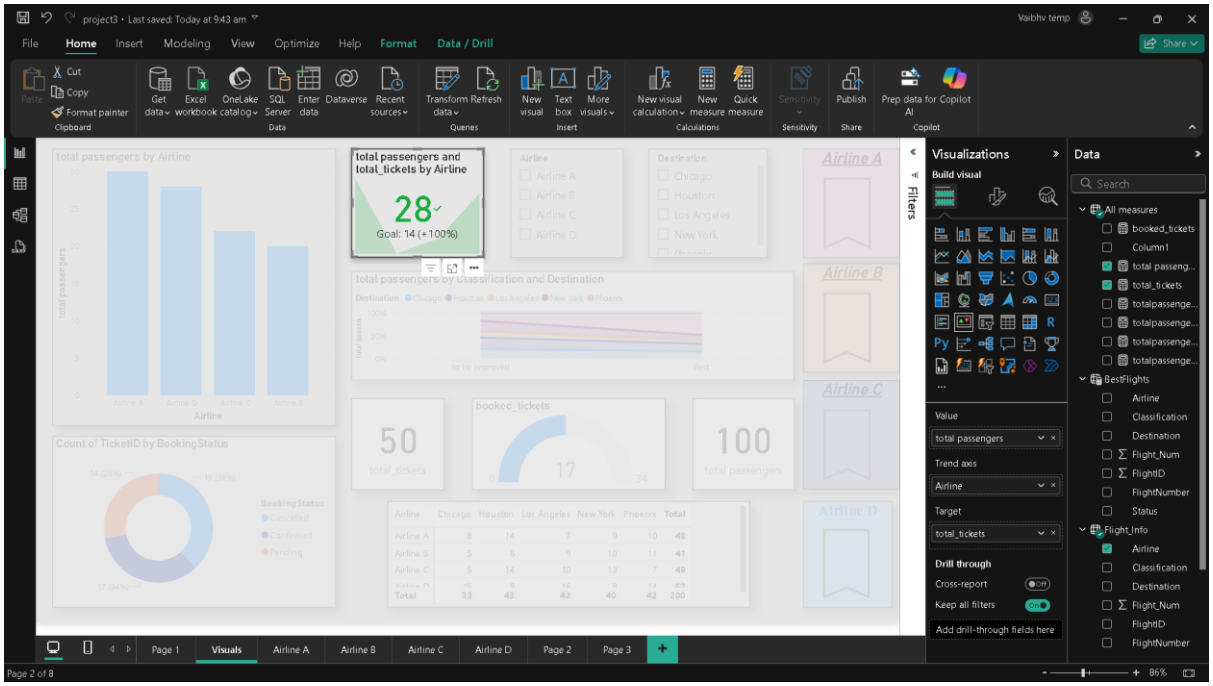
I. SLICERS FOR DESTINATION AND AIRLINE -[IN FOCUS MODE]





II. KPI AND CARDS AS QUICK VIEWS: -[SPOTLIGHT MODE]

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New visual Text box More visuals
New visual calculation New measure Quick measure
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Clipboard Data Queries Insert Calculations Sensitivity Share Copilot
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total passengers and total_tickets by Airline
28
Goal: 14 (+100%)
total passengers by Classification and Destination
booked_tickets
50
total_tickets
17
100
total passengers
Count of TicketID by BookingStatus
Airline A
Airline B
Airline C
Airline D
Visualizations
Build visual
Value
total passengers
Trend axis
Airline
Target
total_tickets
Drill through
Cross-report
Keep all filters
Add drill-through fields here
Data
Search
All measures
booked_tickets
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total_tickets
totalpassenge...
BestFlights
Airline
Classification
Destination
Flight_Num
FlightID
FlightNumber
Status
Flight_Info
Filters
Page 1 Visuals Airline A Airline B Airline C Airline D Page 2 Page 3
Page 2 of 8
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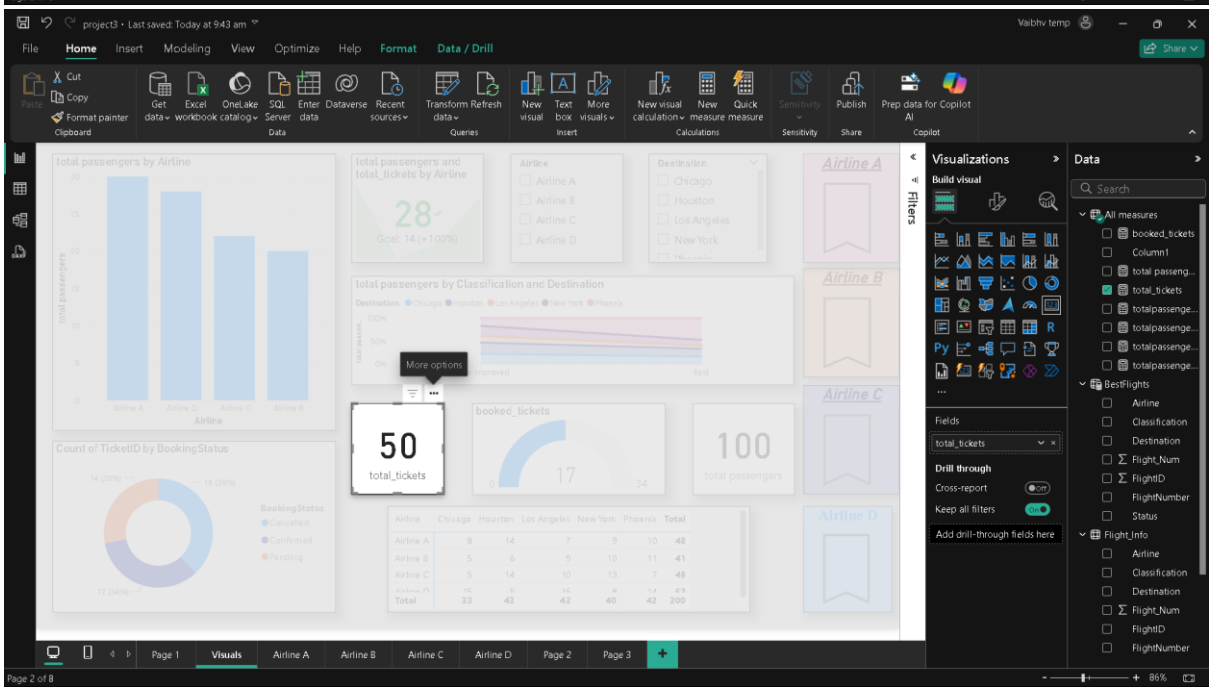
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Add drill-through fields here
Page 1 Visuals Airline A Airline B Airline C Airline D Page 2 Page 3
Page 2 of 8
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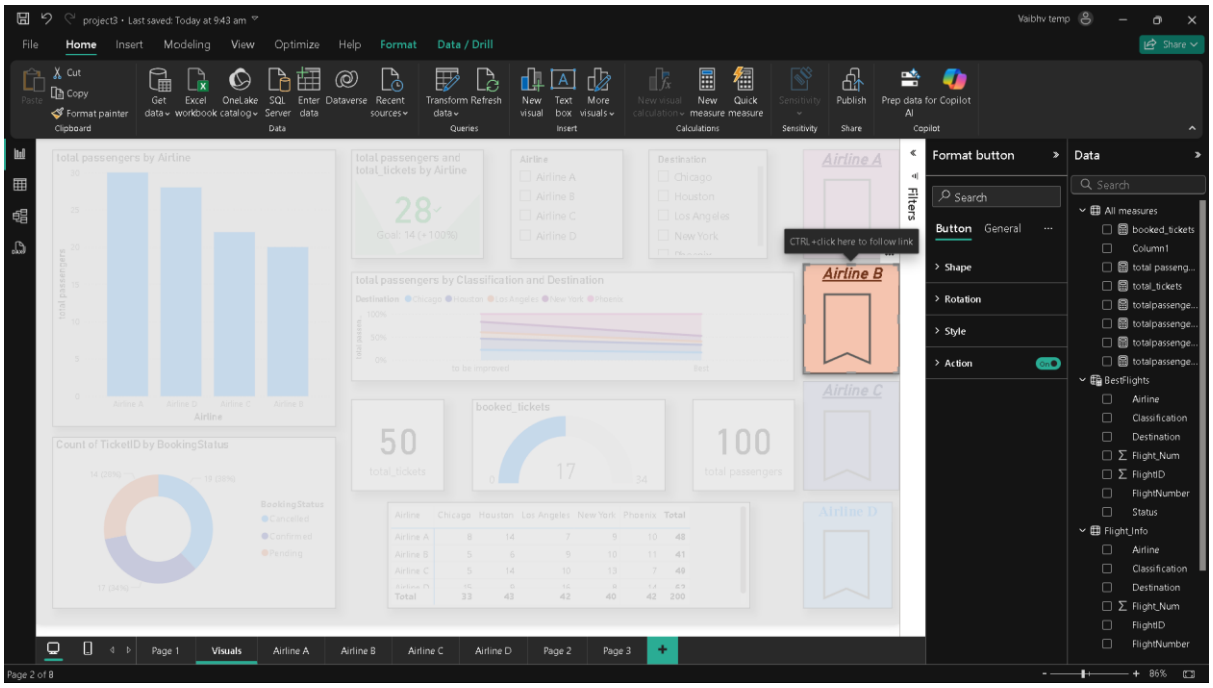
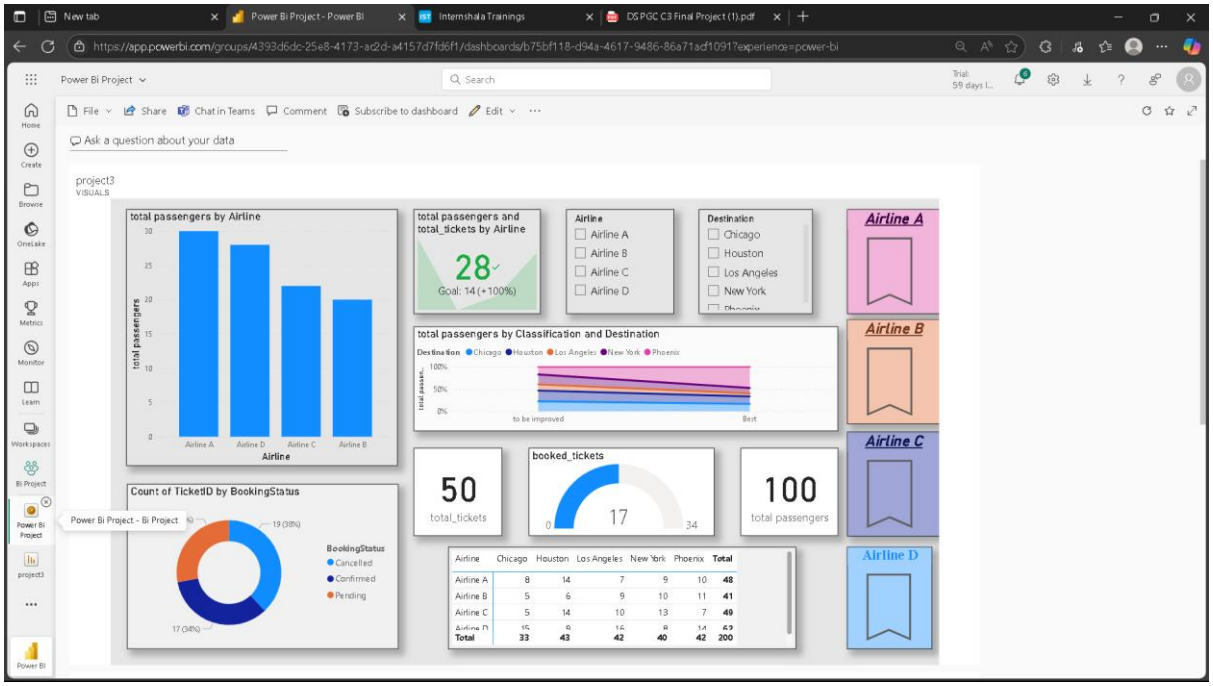
III. BOOKMARKS TO REDIRECT FOR SPECIFIC FLIGHT PAGES:

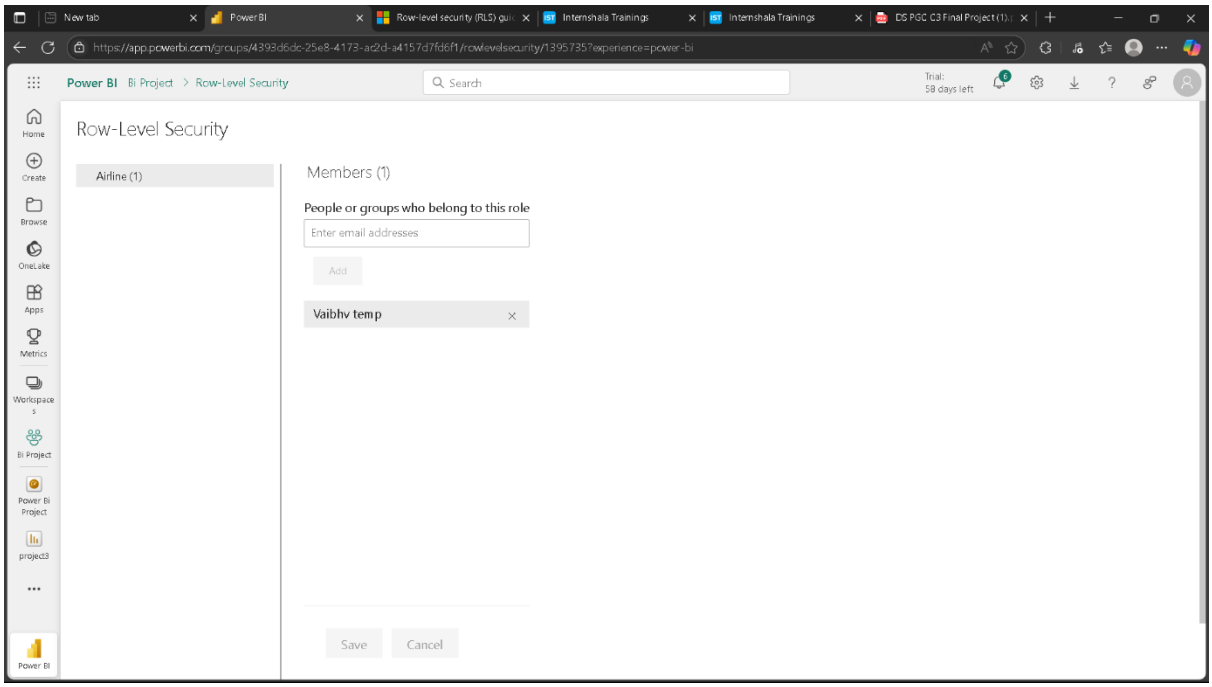


6: FINAL DASHBOARD AND POWER BI SERVICE

1. COMPREHENSIVE DASHBOARD



2. Row-Level Security (RLS)



3. Scheduled Refresh at 5 PM