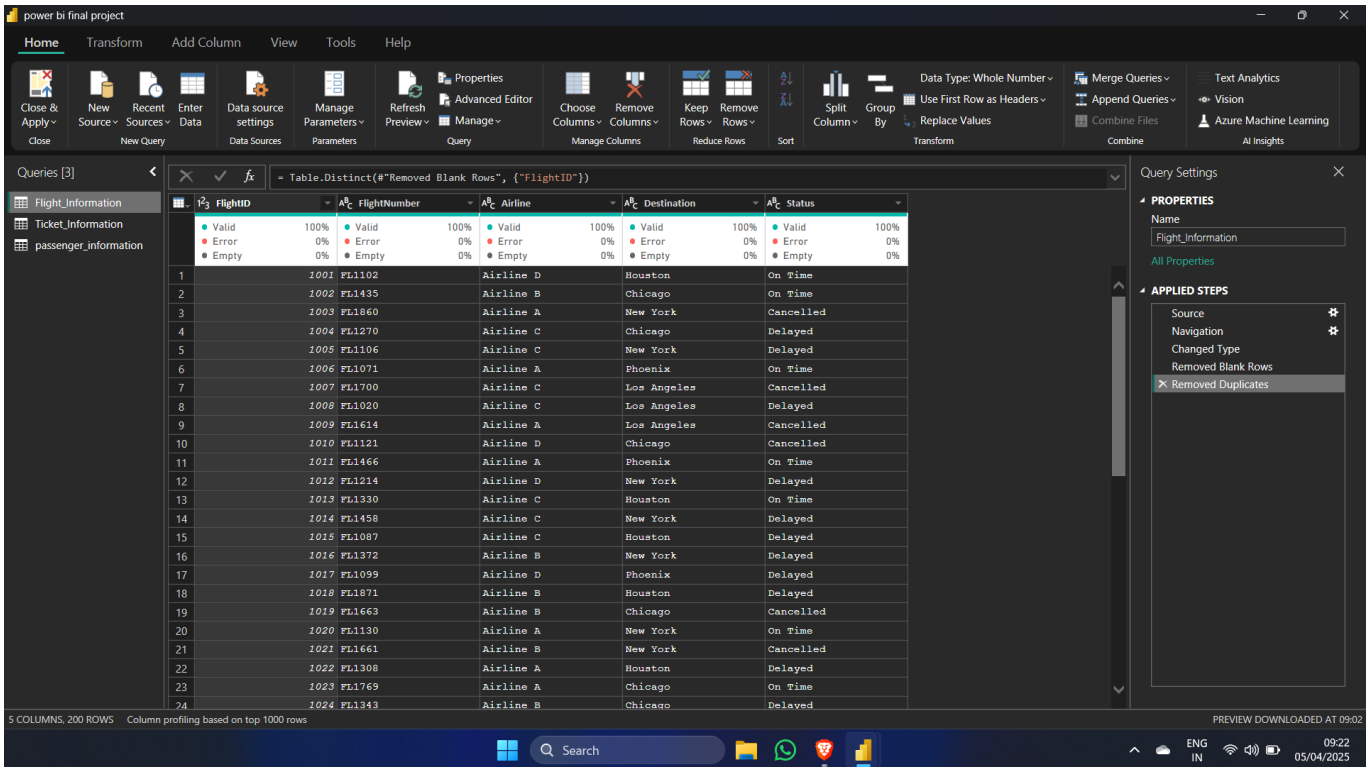
Power BI Final Project

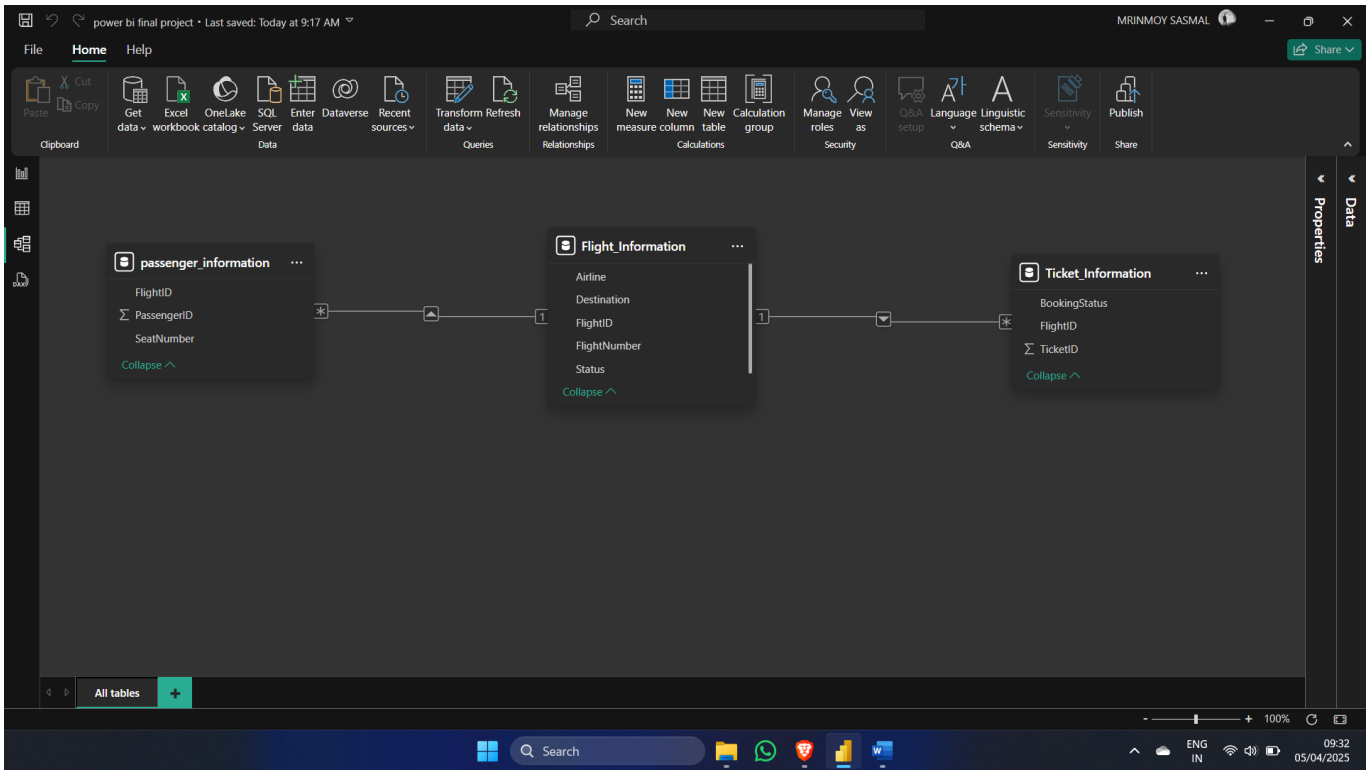
Task 1 .

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



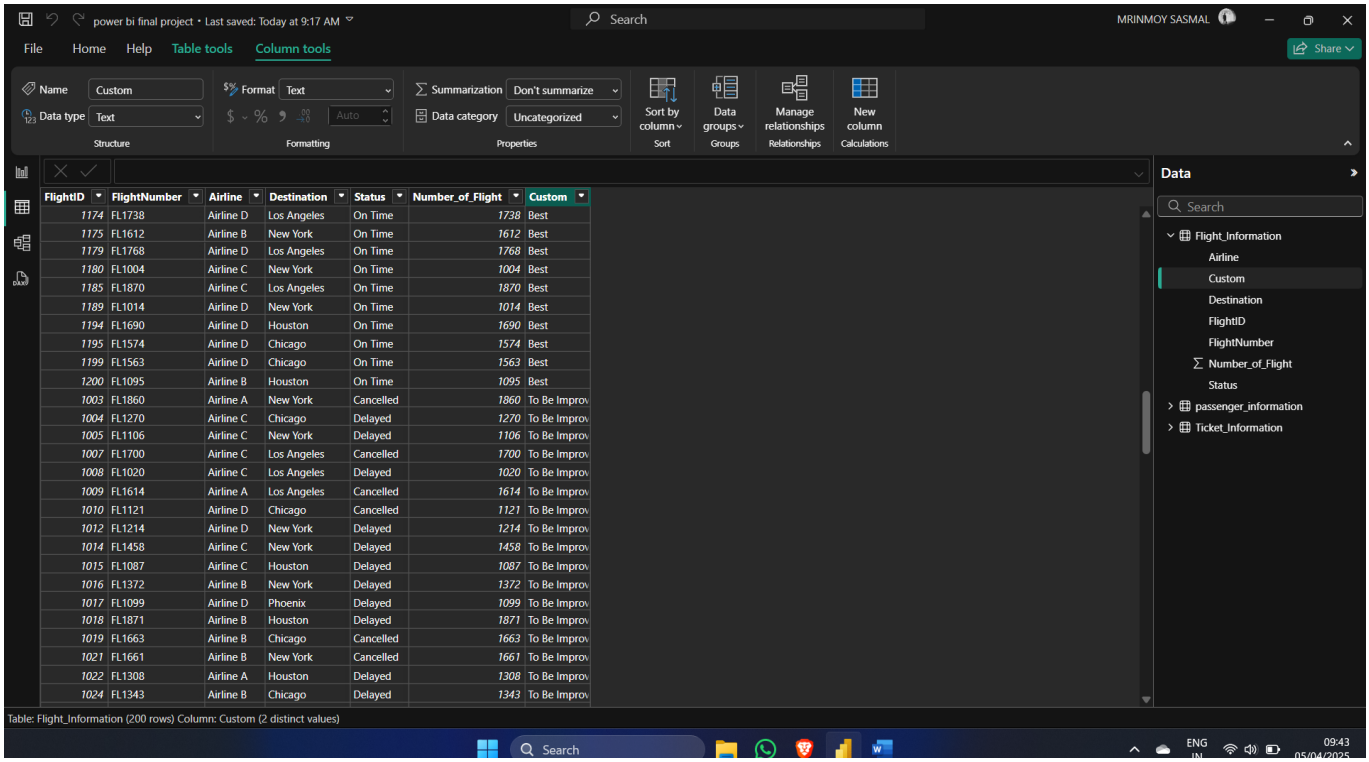
Task 2

- Created Relationship by using FlightID.



Task 3

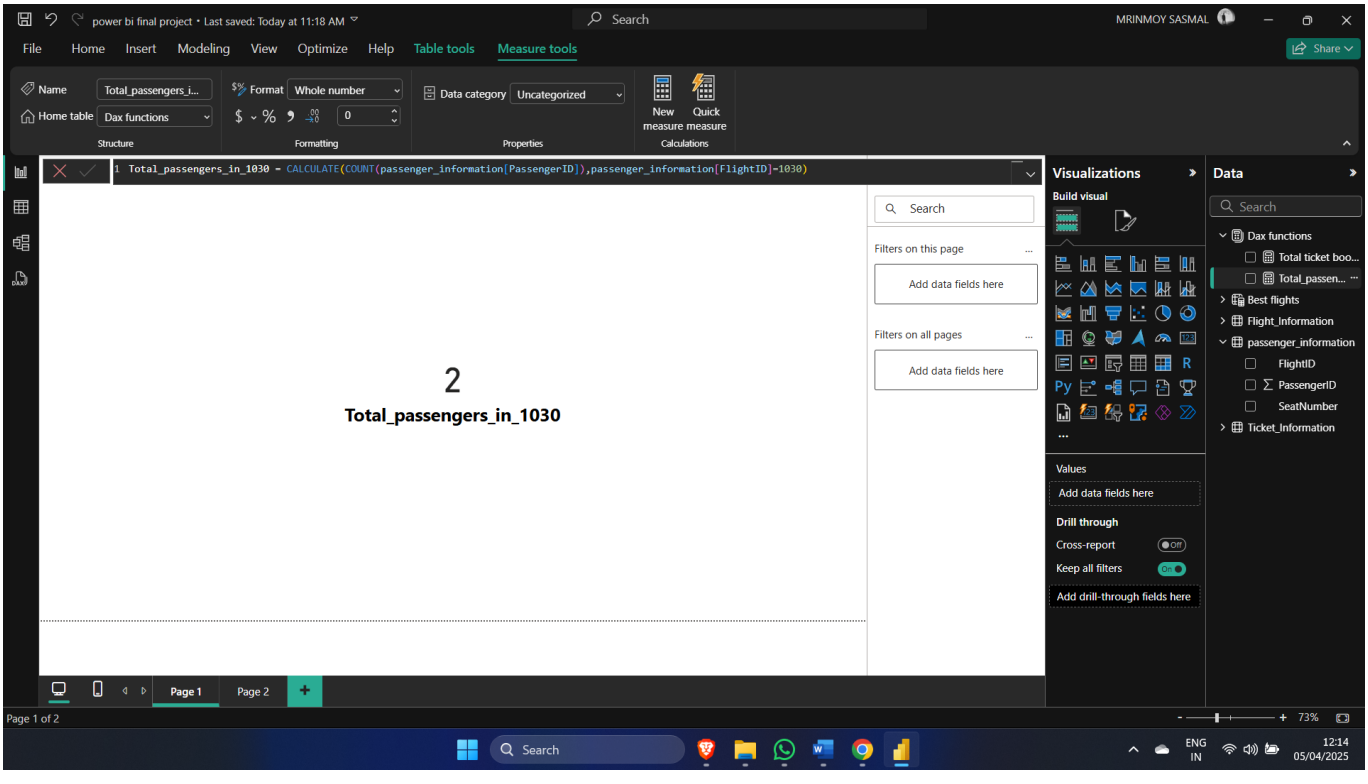
- Use conditional column, Set rule if the Flight is “On Time” then Output is “Best” and if the Flight is Delayed or Cancelled then output as “To Be Improved”
- Use column from Examples to extract number from FlightNumber.



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

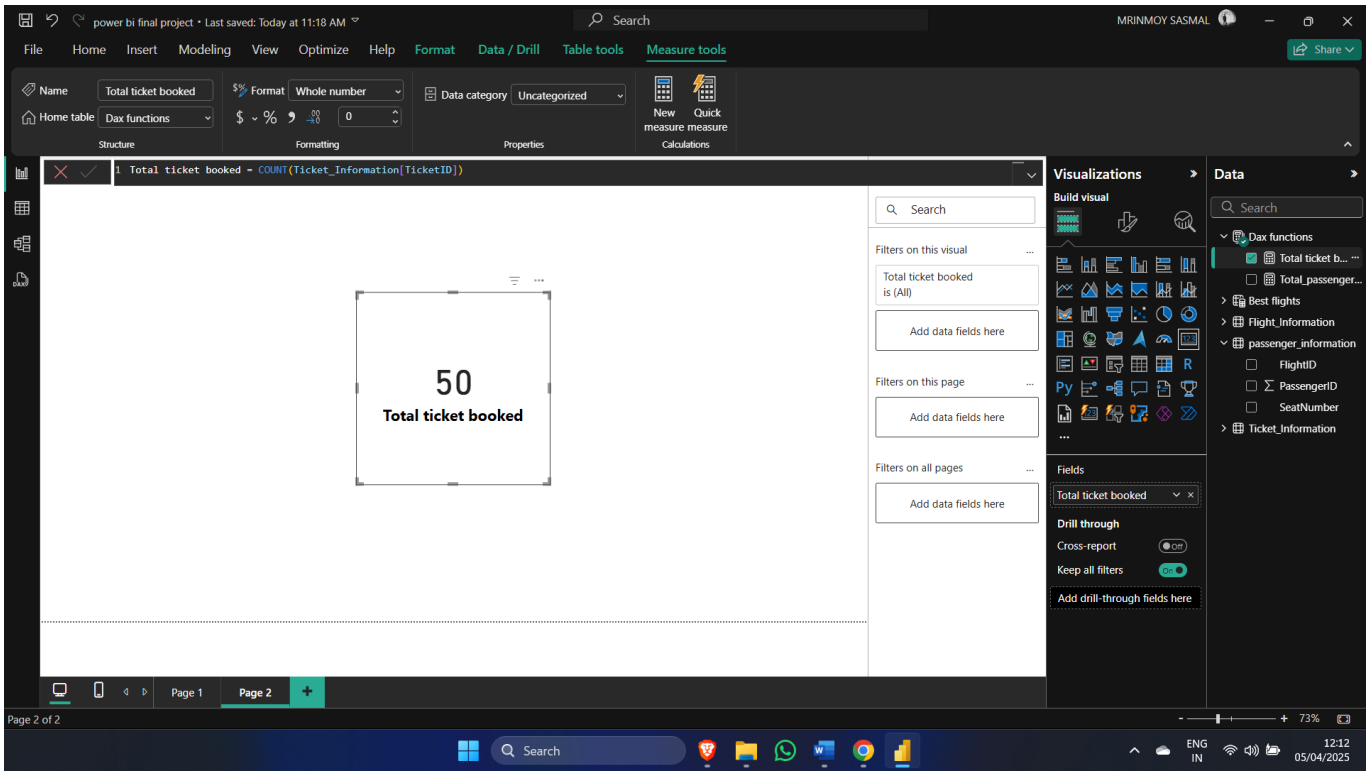
Task 4

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

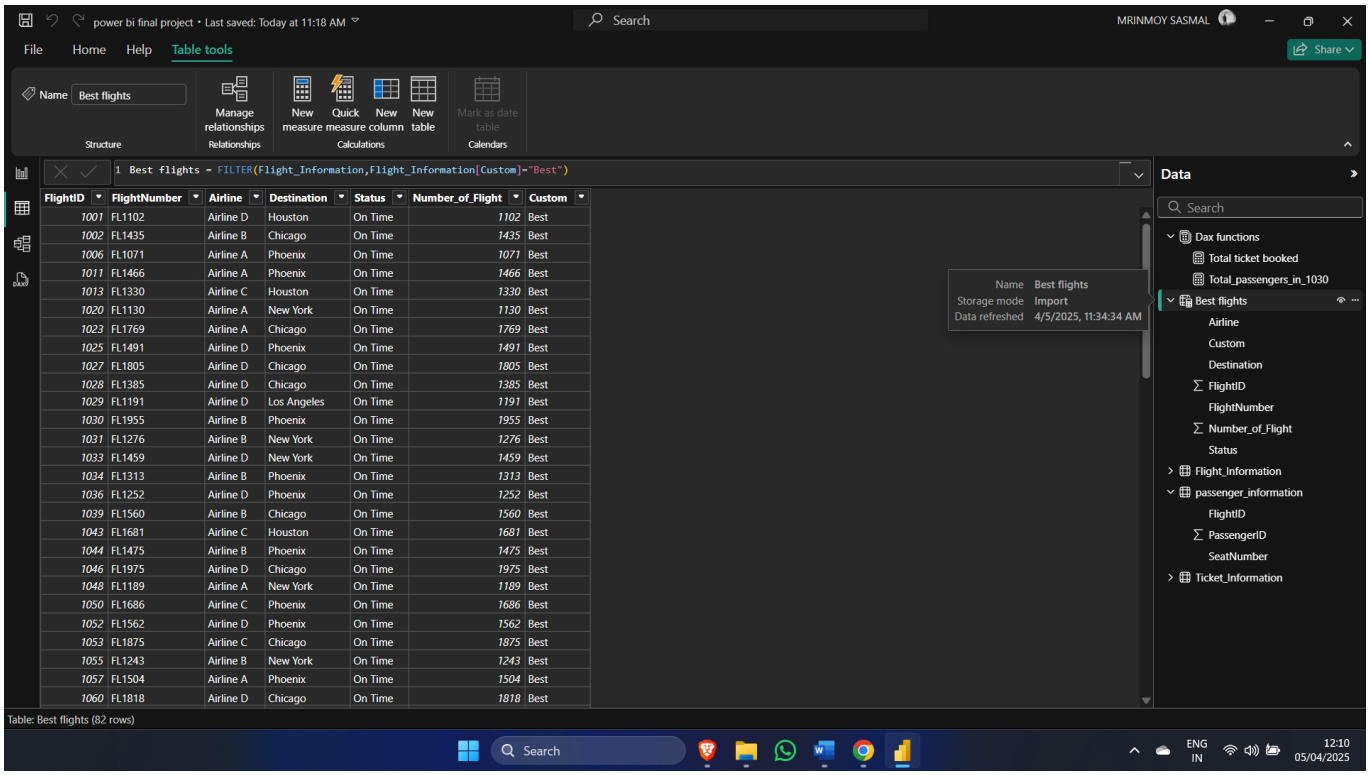


Task 4.2 : -

- 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")



Task 5

For Passenger count by airline

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

For Ticket booking statuses

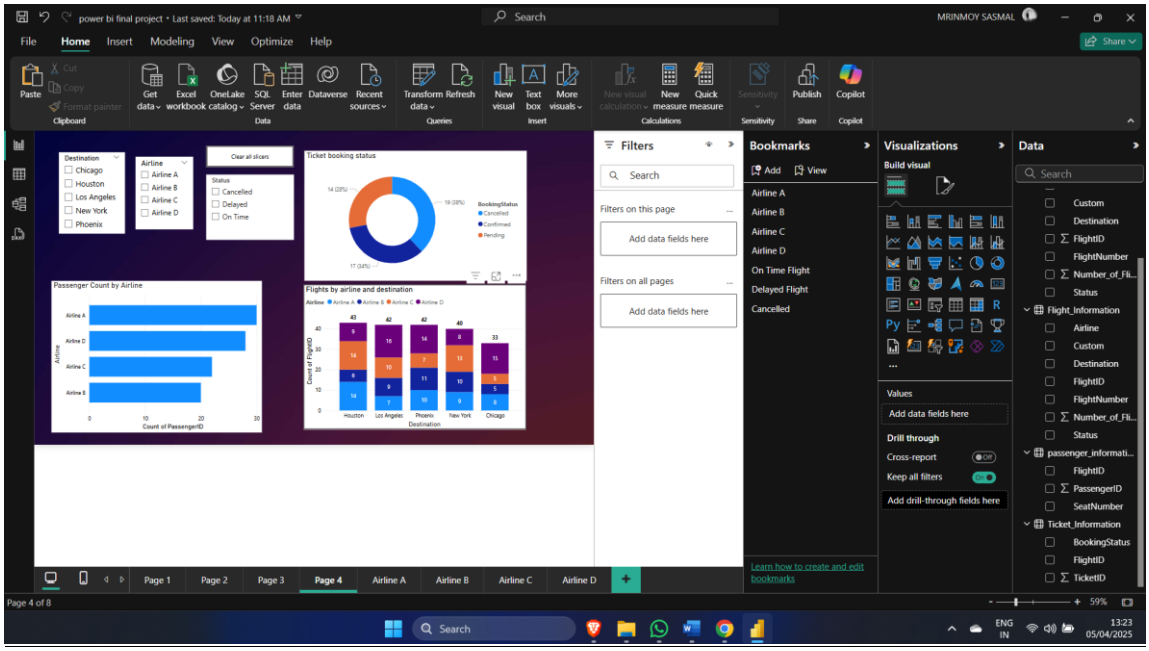
Donut chart: Legend = BookingStatus, Value = COUNTROWS(TicketInformation).

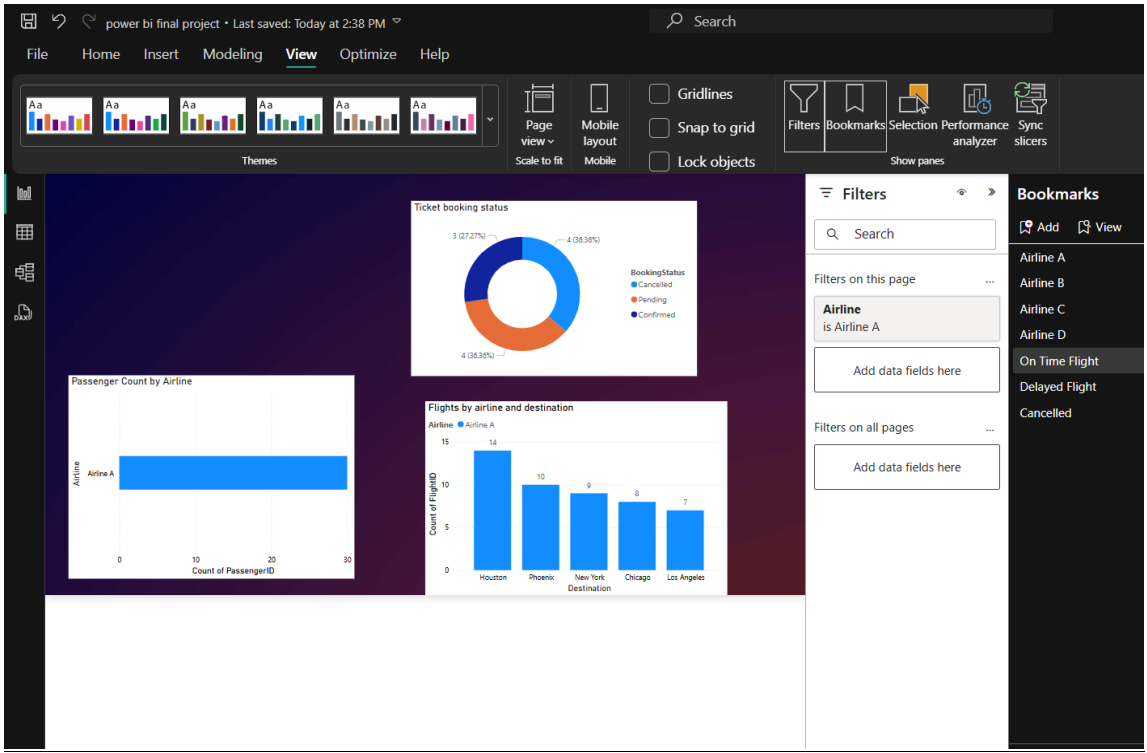
For Flights by airline and destination

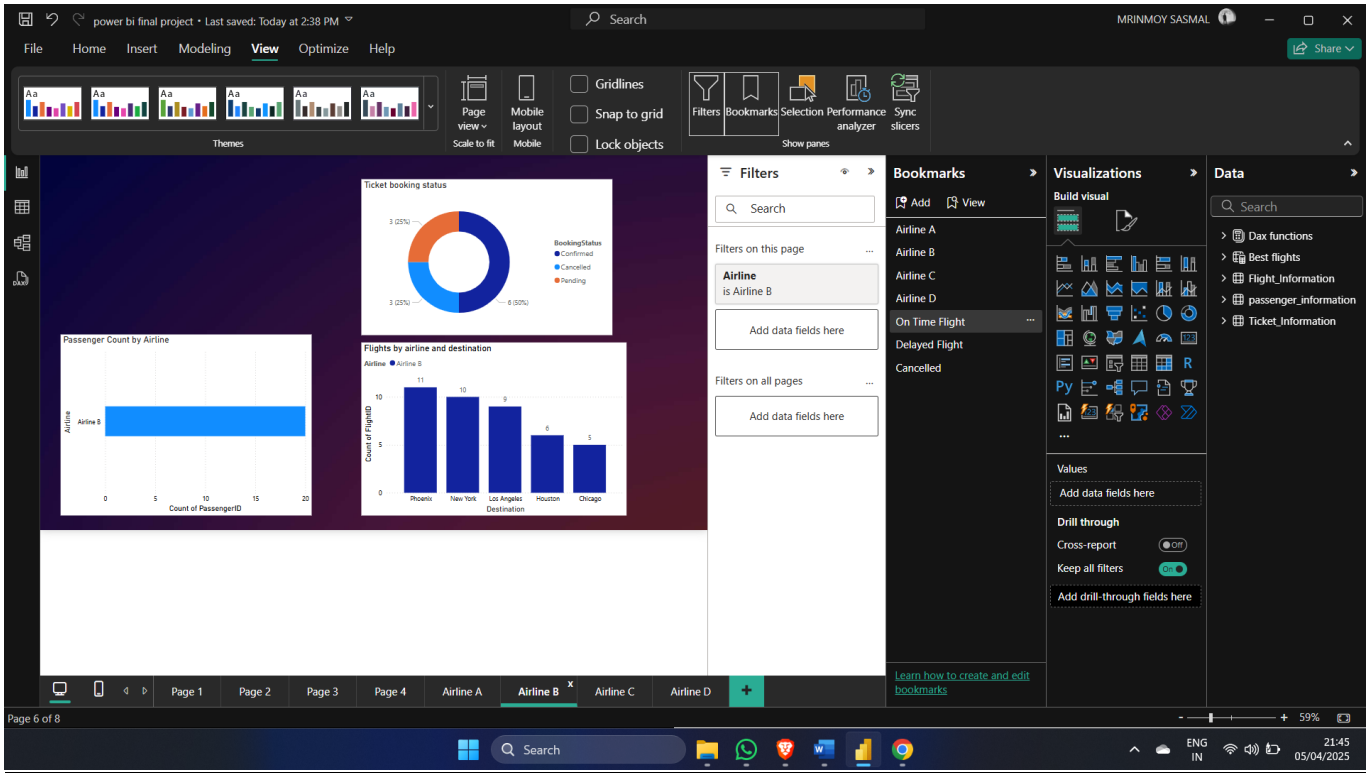
Clustered column :- Axis = Destination, Legend = Airline, Value =COUNTROWS(FlightInformation).

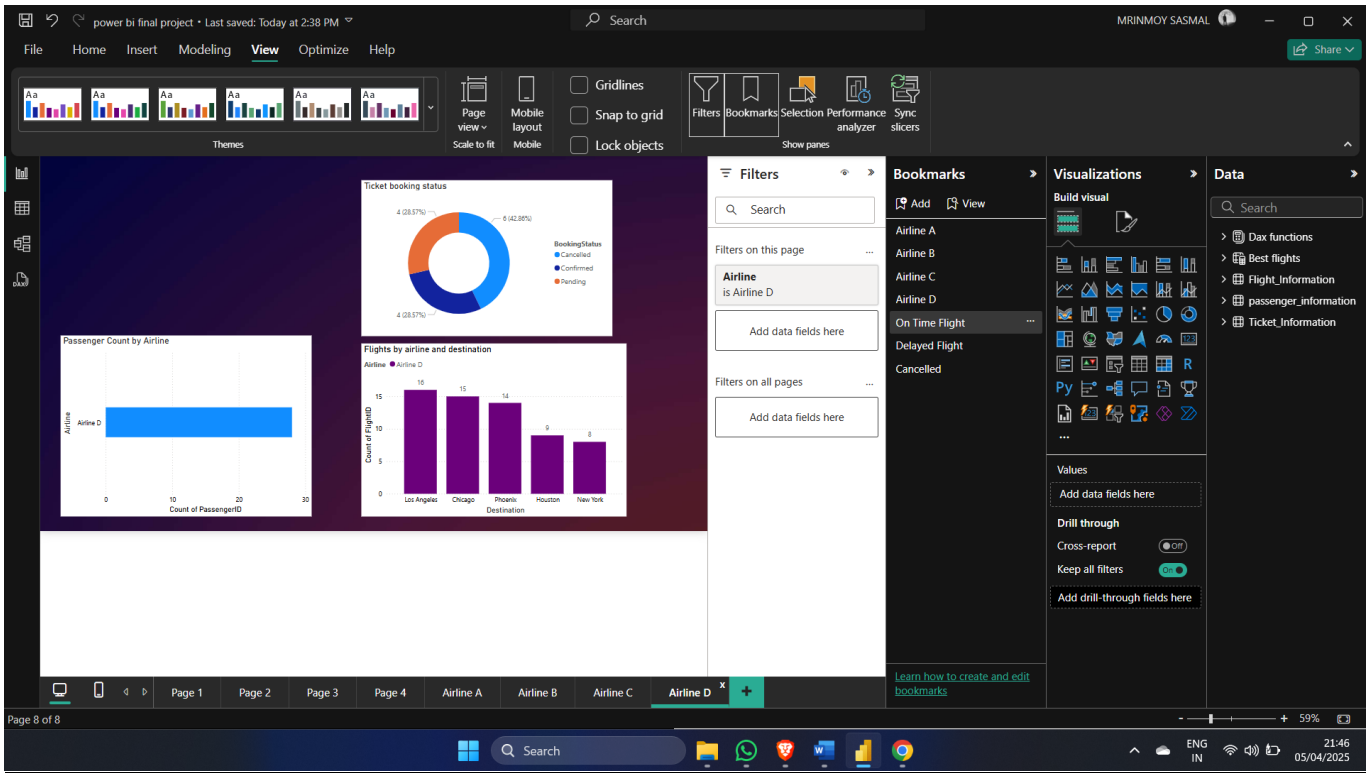
Interactive features

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"

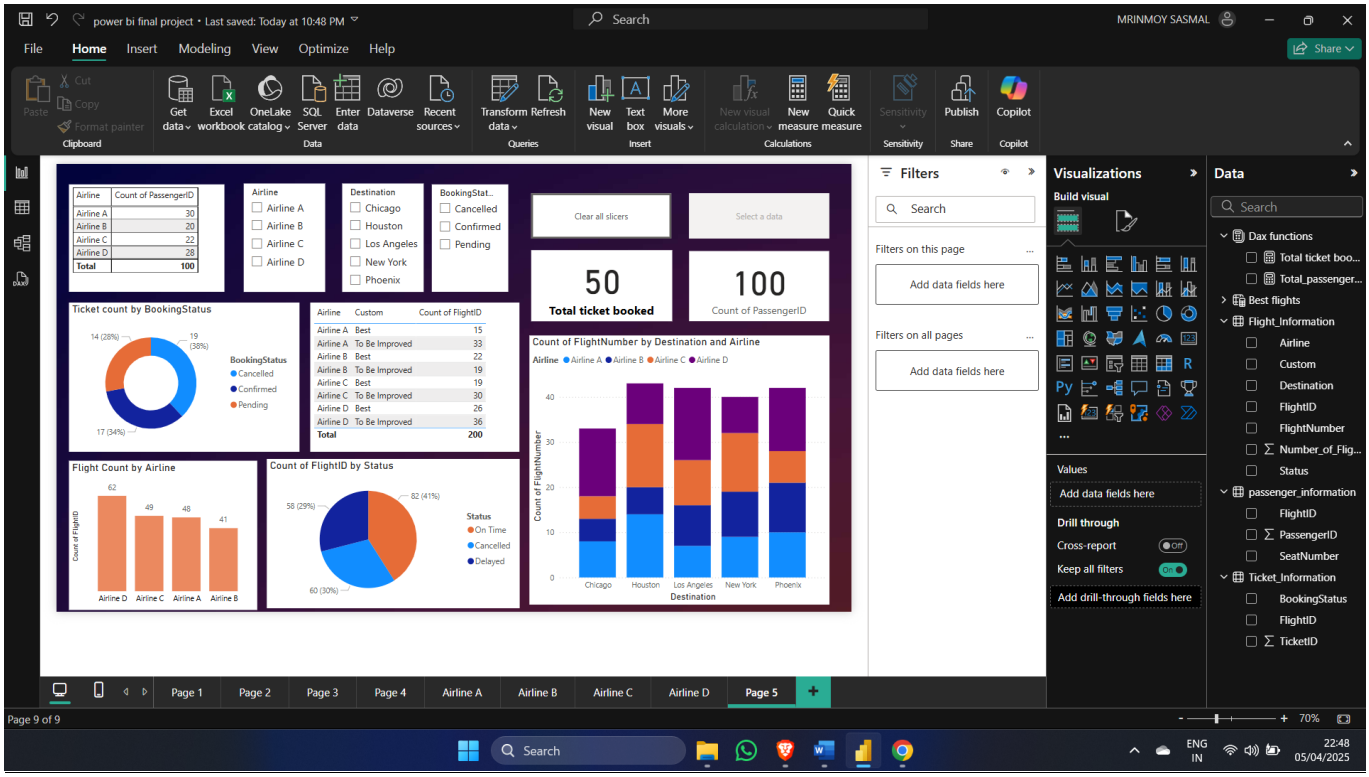
- Published it to Workspace In Power BI Service→ workspace → Security→assign the relevant user to “AirlineA.”

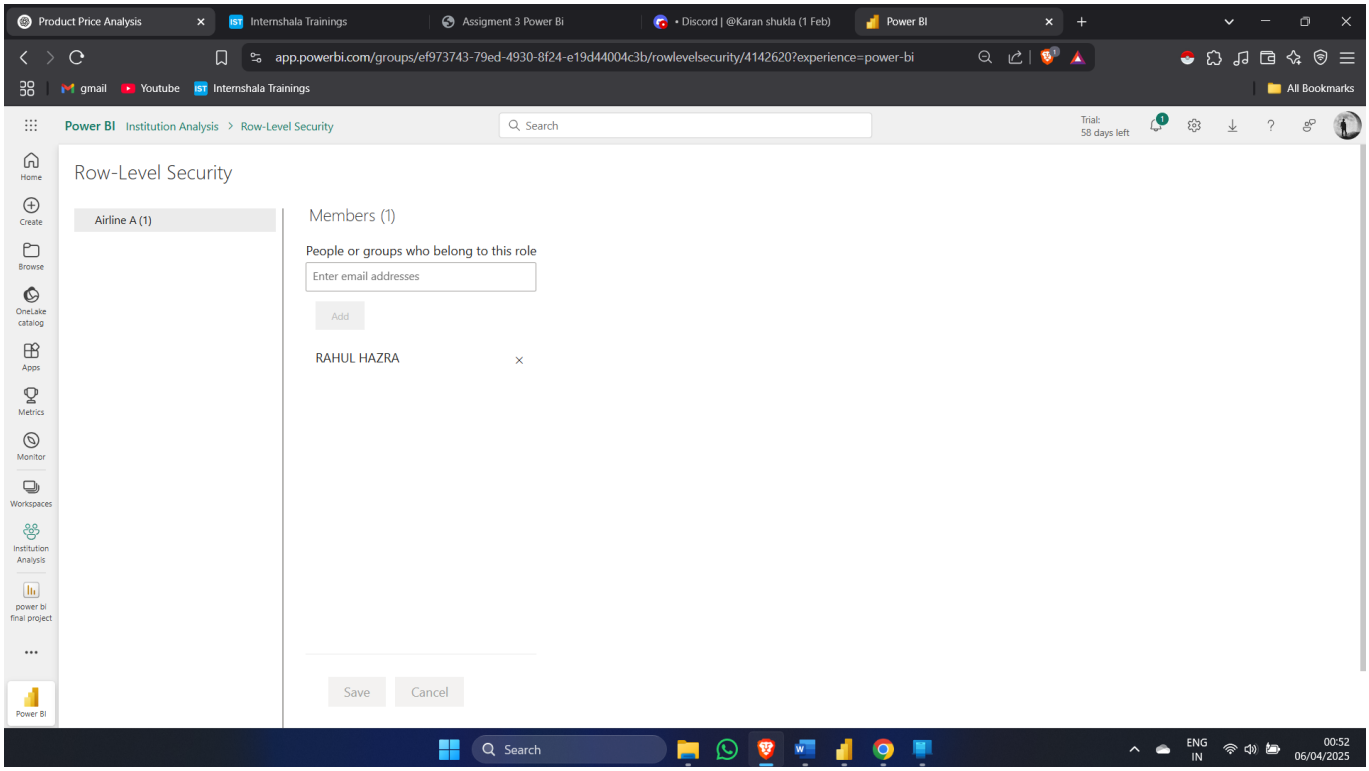
Task 6.3

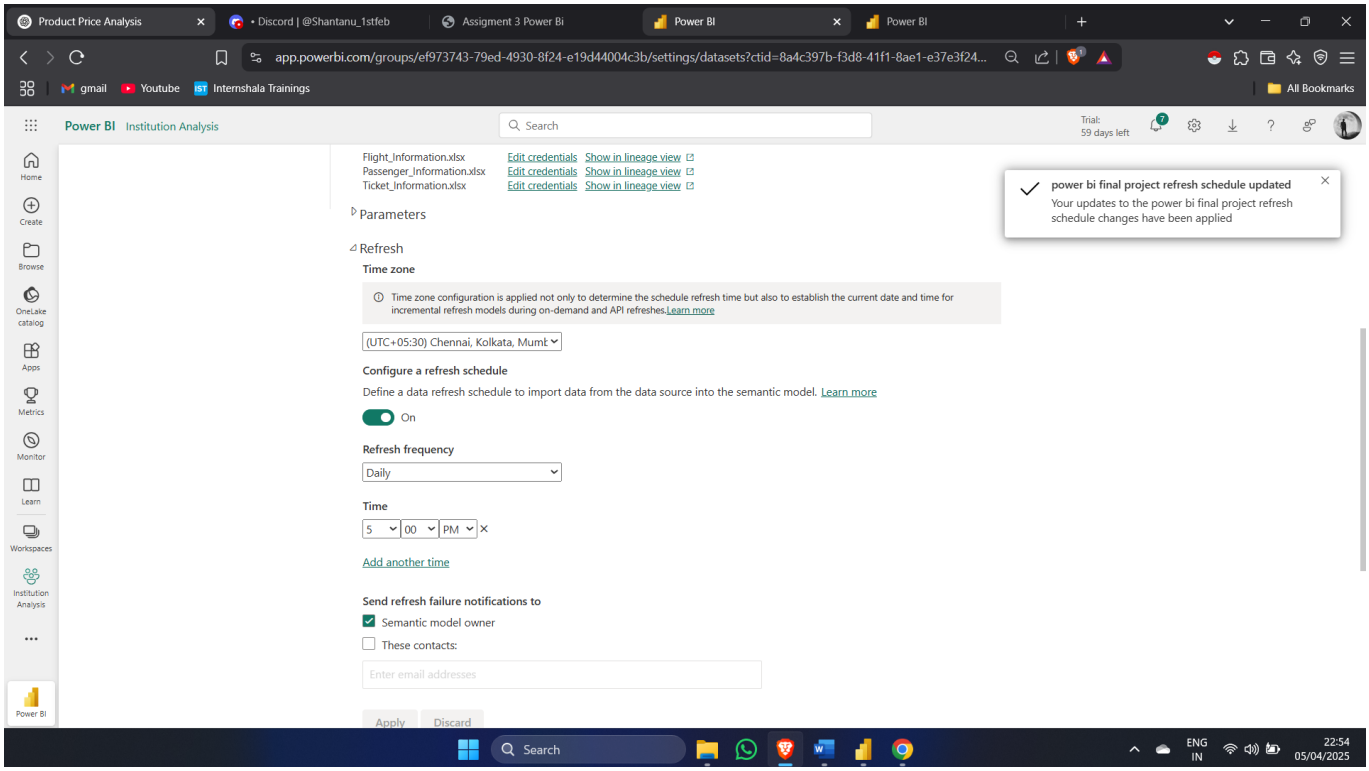
- In Power BI Service, under your dataset’s “Schedule refresh” settings:

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

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







Video Link - For video Click Here