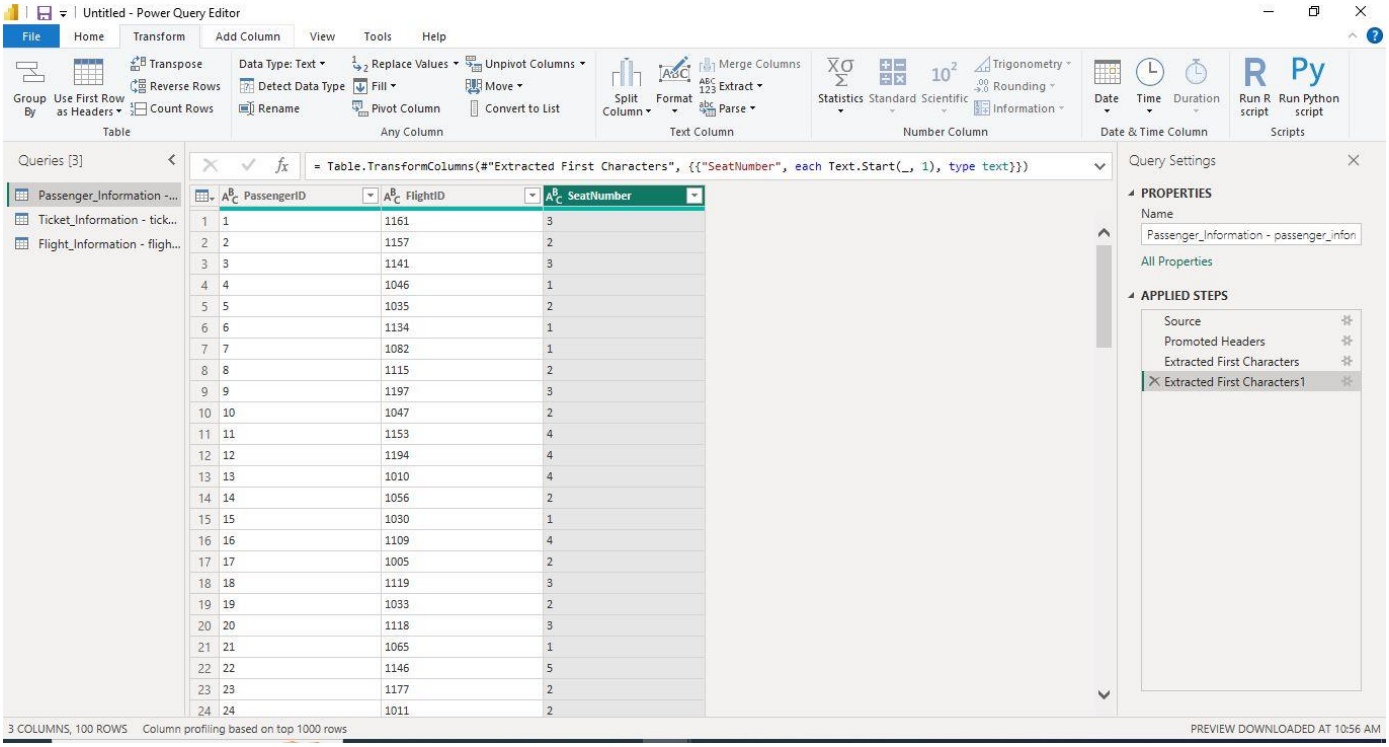
TASK-1. Data Preparation and Cleaning

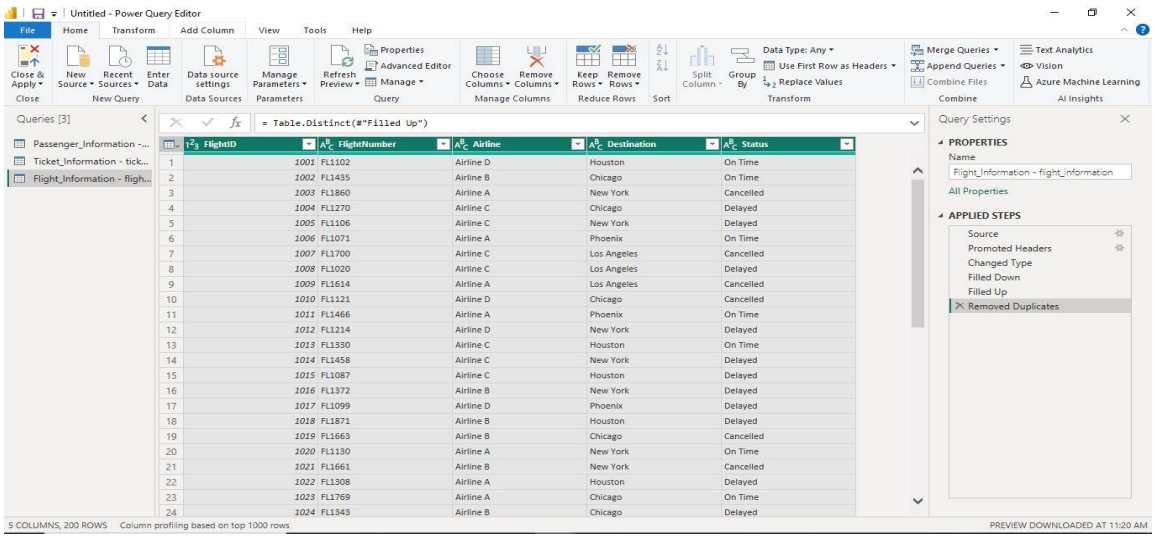
(a). Extract and transform data in Power Query.

ANS.



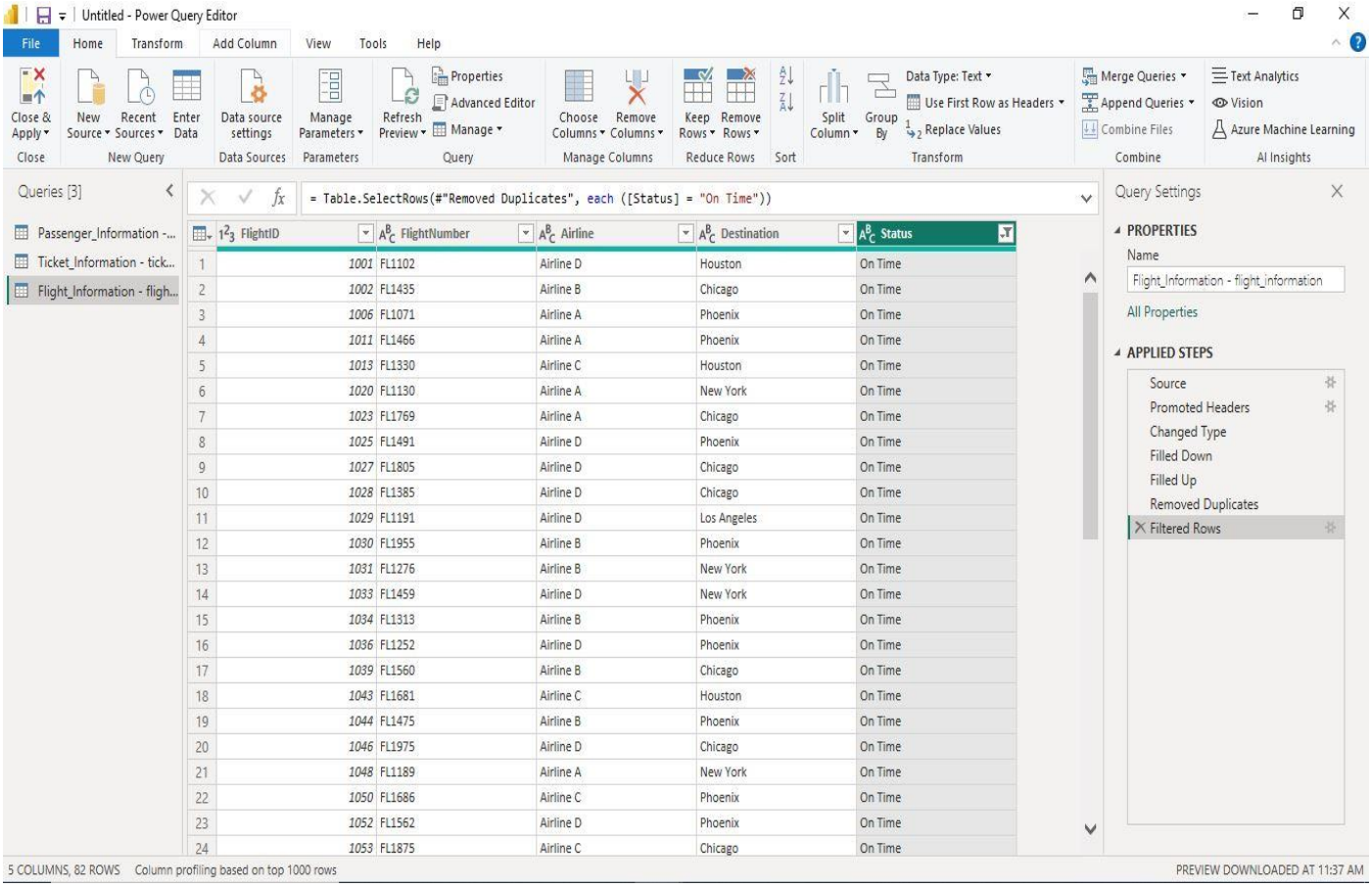
(b). Clean data: remove duplicates, handle missing values, and format columns?

ANS.



(C). Deliverables: Screenshot of Power Query Editor showing cleaned data.

ANS.

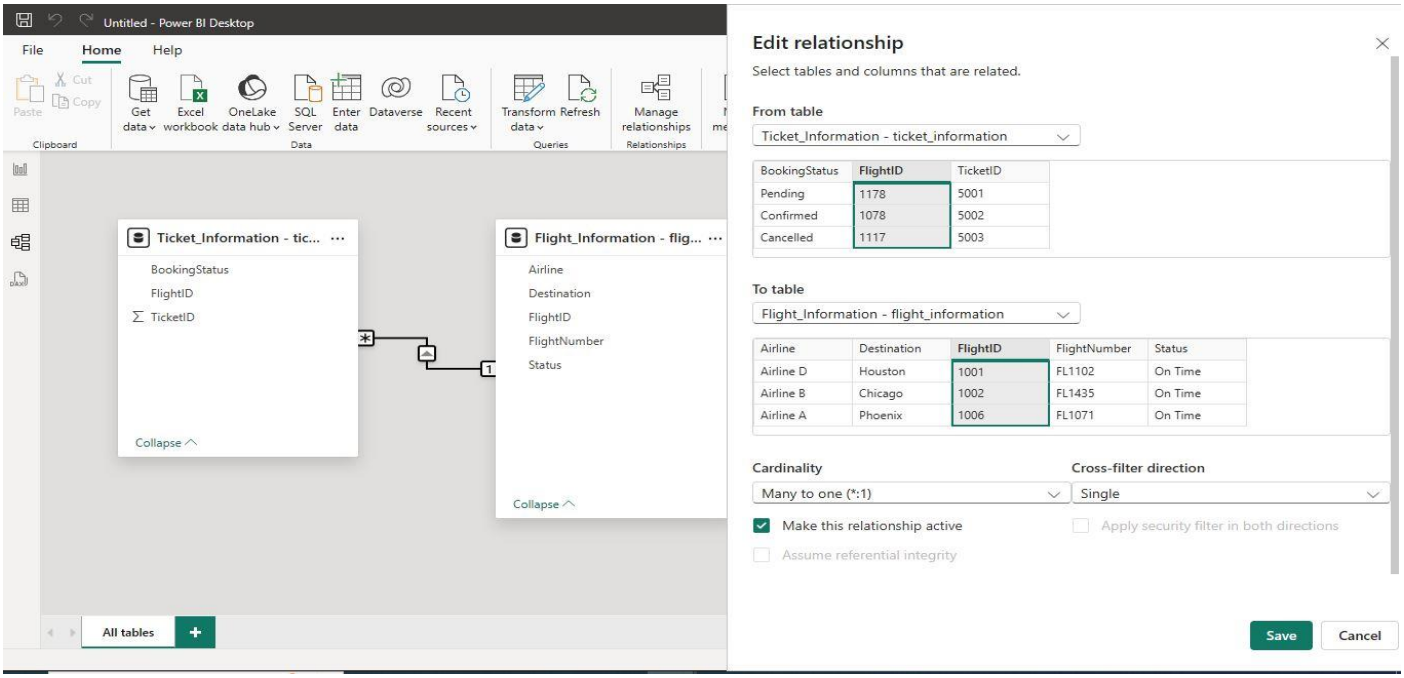


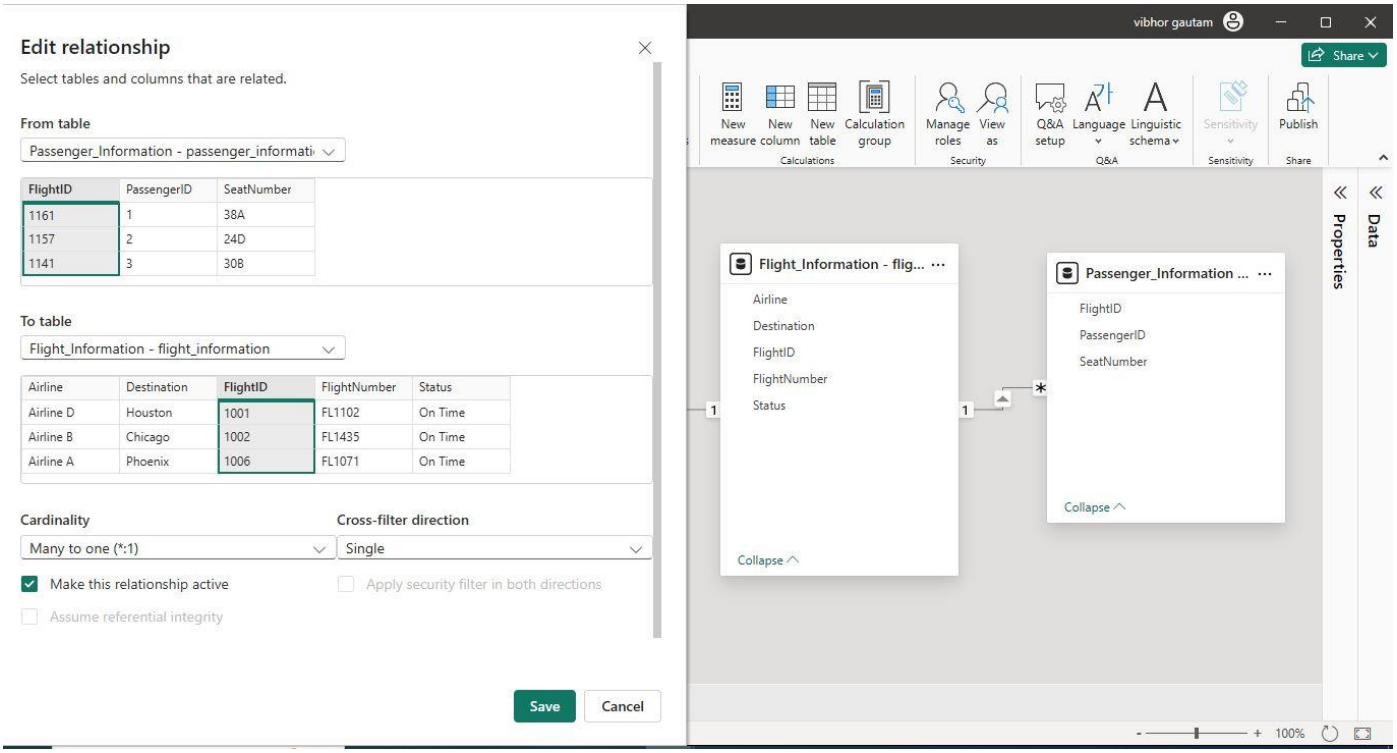
	FlightID	FlightNumber	Airline	Destination	Status
1	1001	FL1102	Airline D	Houston	On Time
2	1002	FL1435	Airline B	Chicago	On Time
3	1006	FL1071	Airline A	Phoenix	On Time
4	1011	FL1466	Airline A	Phoenix	On Time
5	1013	FL1330	Airline C	Houston	On Time
6	1020	FL1130	Airline A	New York	On Time
7	1023	FL1769	Airline A	Chicago	On Time
8	1025	FL1491	Airline D	Phoenix	On Time
9	1027	FL1805	Airline D	Chicago	On Time
10	1028	FL1385	Airline D	Chicago	On Time
11	1029	FL1191	Airline D	Los Angeles	On Time
12	1030	FL1955	Airline B	Phoenix	On Time
13	1031	FL1276	Airline B	New York	On Time
14	1033	FL1459	Airline D	New York	On Time
15	1034	FL1313	Airline B	Phoenix	On Time
16	1036	FL1252	Airline D	Phoenix	On Time
17	1039	FL1560	Airline B	Chicago	On Time
18	1043	FL1681	Airline C	Houston	On Time
19	1044	FL1475	Airline B	Phoenix	On Time
20	1046	FL1975	Airline D	Chicago	On Time
21	1048	FL1189	Airline A	New York	On Time
22	1050	FL1686	Airline C	Phoenix	On Time
23	1052	FL1562	Airline D	Phoenix	On Time
24	1053	FL1875	Airline C	Chicago	On Time

TASK-2. . Data Modeling .

(a). Create relationships between datasets (FlightID as the key).

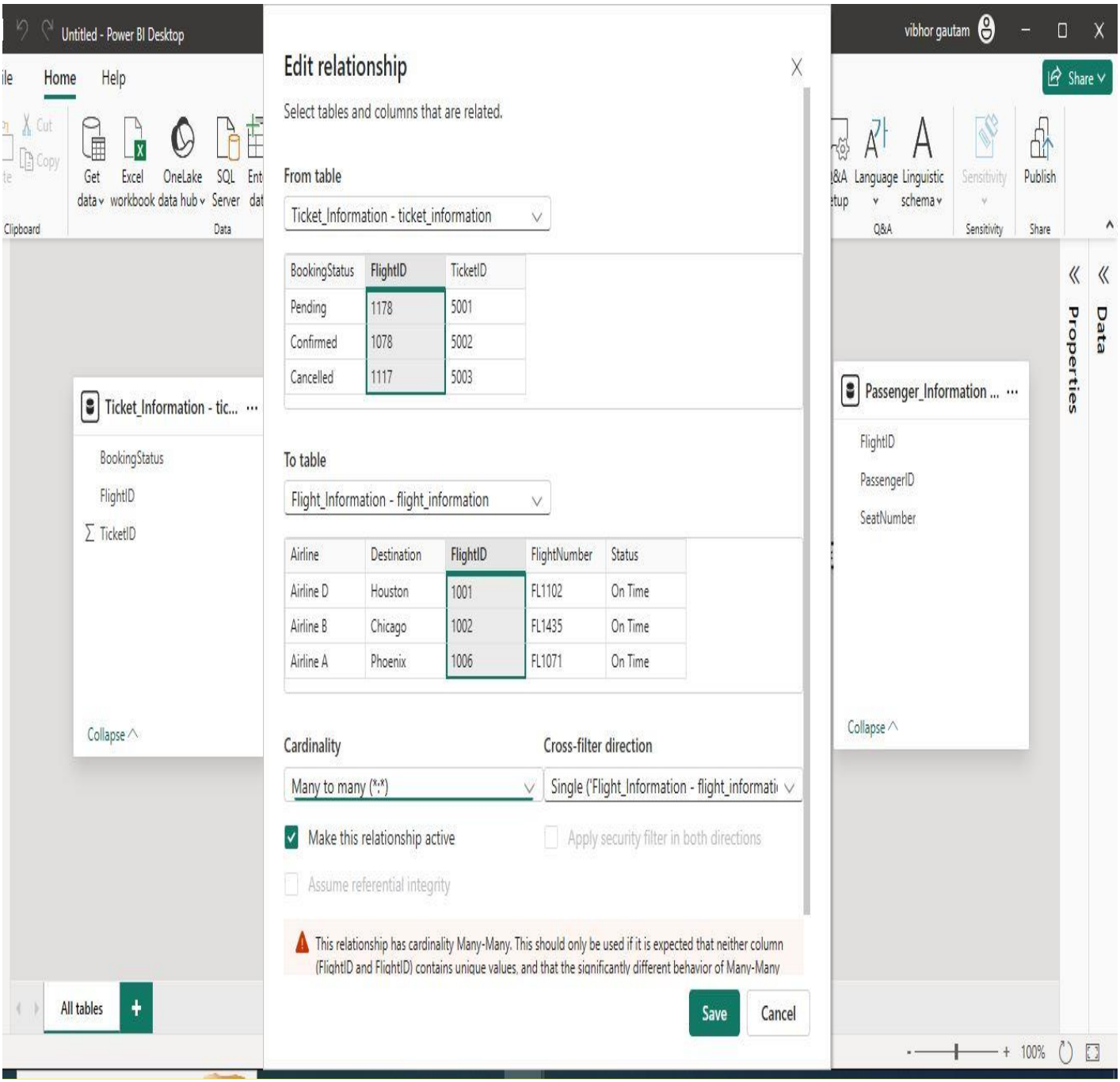
ANS.





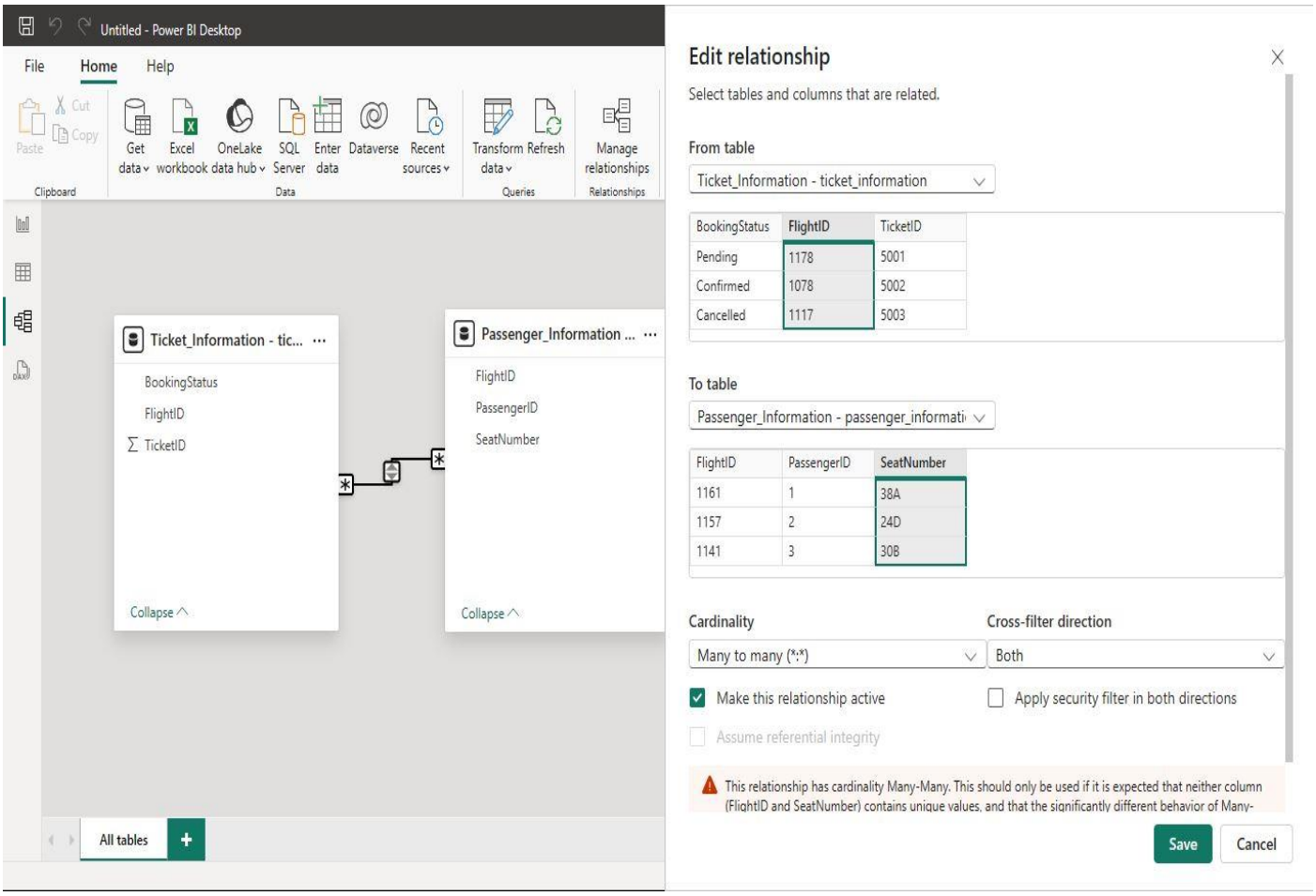
(b). Understand cardinality and configure the model appropriately.

ANS. Cardinality only use a many to one(*1). And not use a any cardinality .like a(one to one(1:1),one to many(1:*),many to many(*:*).



(C). Deliverables: Screenshot of the data model with relationships.

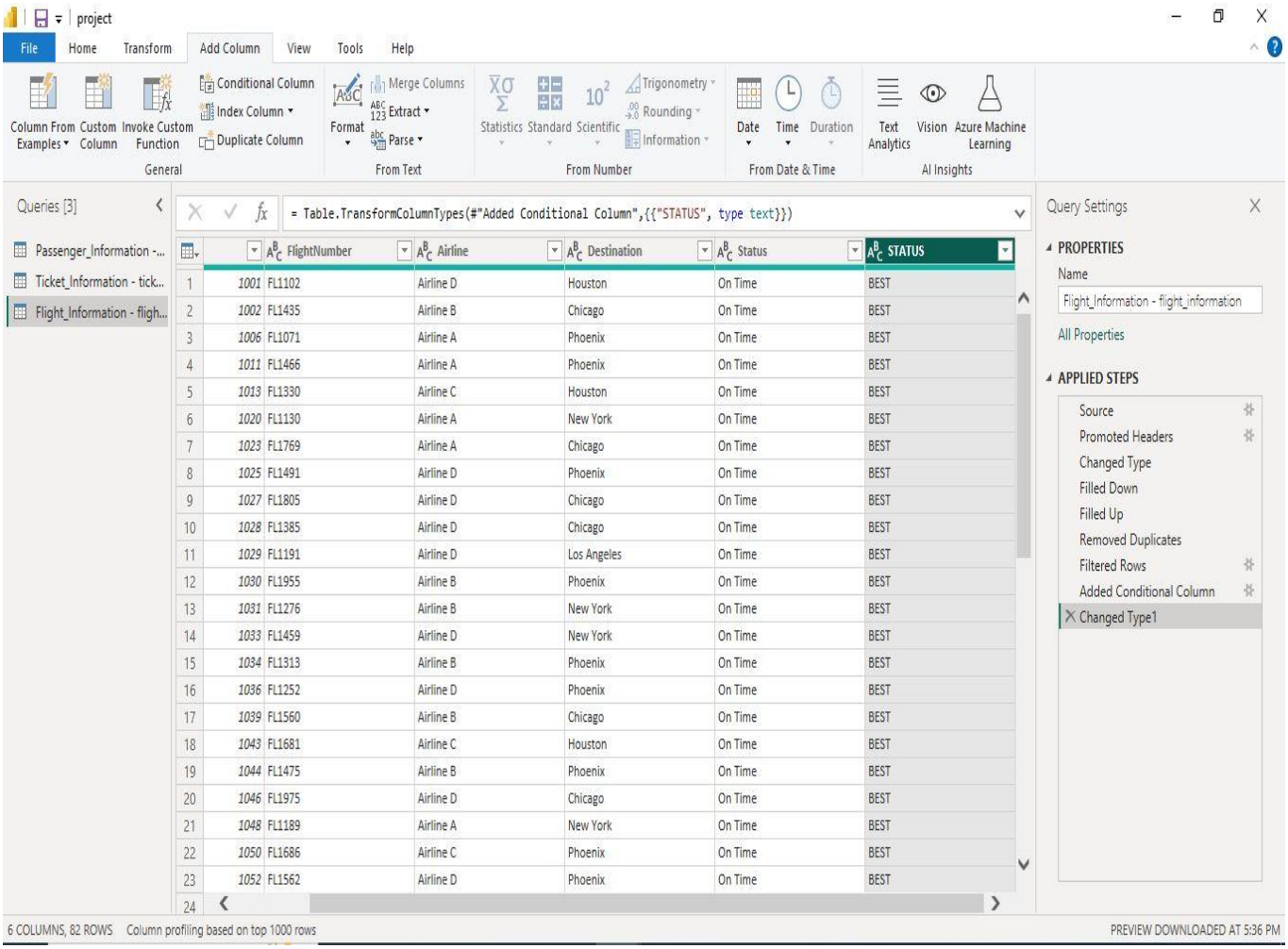
ANS. It is screenshot of the data model with relationship and cardinality relation is (many to many(*:*).



TASK-3. Enhanced Data Insights.

(a). Add a conditional column to classify flights as "Best" or "To Be Improved" based on status.

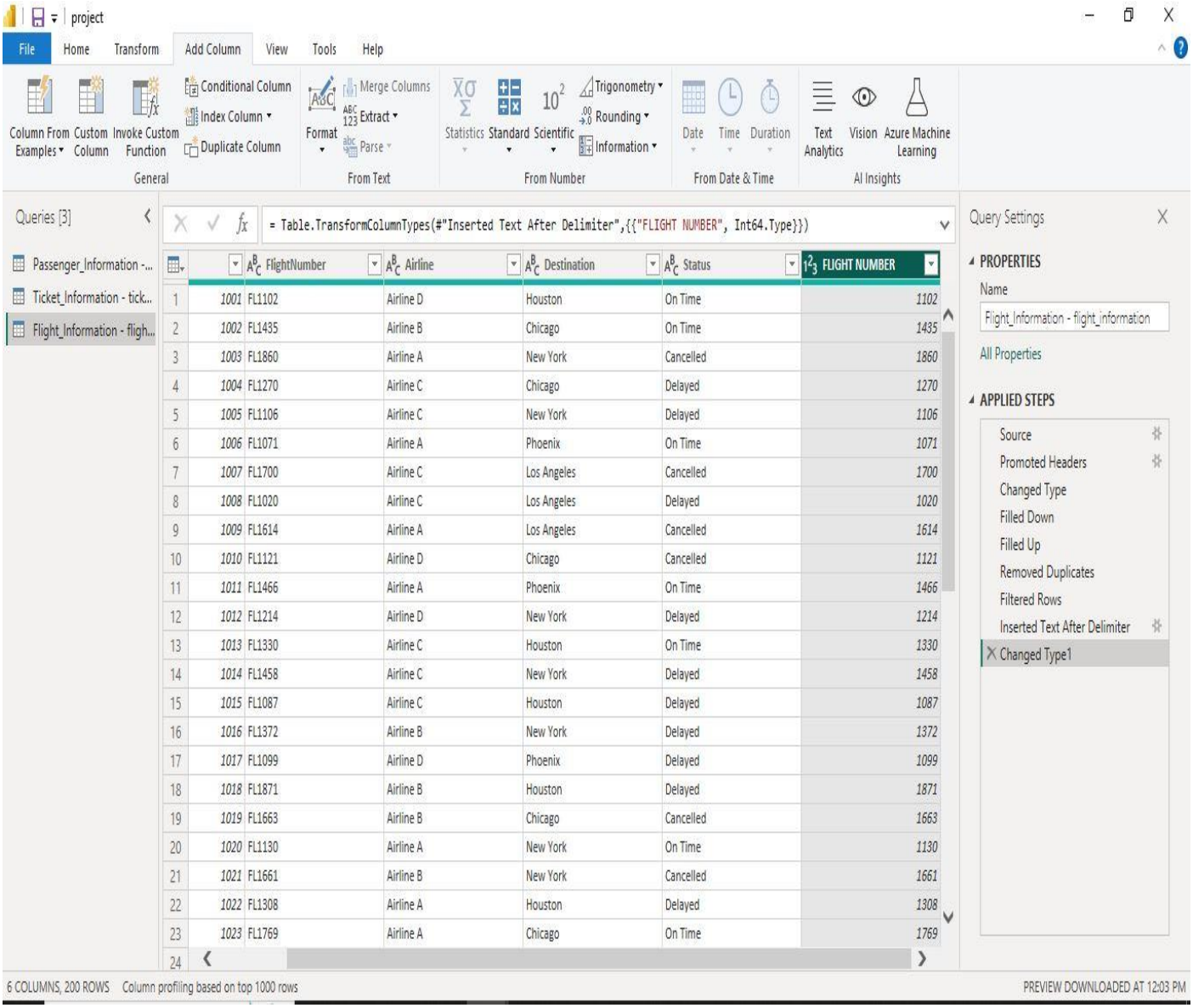
ANS.



	FlightNumber	Airline	Destination	Status	STATUS
1	1001	FL1102	Airline D	Houston	On Time	BEST
2	1002	FL1435	Airline B	Chicago	On Time	BEST
3	1006	FL1071	Airline A	Phoenix	On Time	BEST
4	1011	FL1466	Airline A	Phoenix	On Time	BEST
5	1013	FL1330	Airline C	Houston	On Time	BEST
6	1020	FL1130	Airline A	New York	On Time	BEST
7	1023	FL1769	Airline A	Chicago	On Time	BEST
8	1025	FL1491	Airline D	Phoenix	On Time	BEST
9	1027	FL1805	Airline D	Chicago	On Time	BEST
10	1028	FL1385	Airline D	Chicago	On Time	BEST
11	1029	FL1191	Airline D	Los Angeles	On Time	BEST
12	1030	FL1955	Airline B	Phoenix	On Time	BEST
13	1031	FL1276	Airline B	New York	On Time	BEST
14	1033	FL1459	Airline D	New York	On Time	BEST
15	1034	FL1313	Airline B	Phoenix	On Time	BEST
16	1036	FL1252	Airline D	Phoenix	On Time	BEST
17	1039	FL1560	Airline B	Chicago	On Time	BEST
18	1043	FL1681	Airline C	Houston	On Time	BEST
19	1044	FL1475	Airline B	Phoenix	On Time	BEST
20	1046	FL1975	Airline D	Chicago	On Time	BEST
21	1048	FL1189	Airline A	New York	On Time	BEST
22	1050	FL1686	Airline C	Phoenix	On Time	BEST
23	1052	FL1562	Airline D	Phoenix	On Time	BEST
24						

(b). Use "Column from Examples" to extract the flight number from FlightNumber.

ANS.

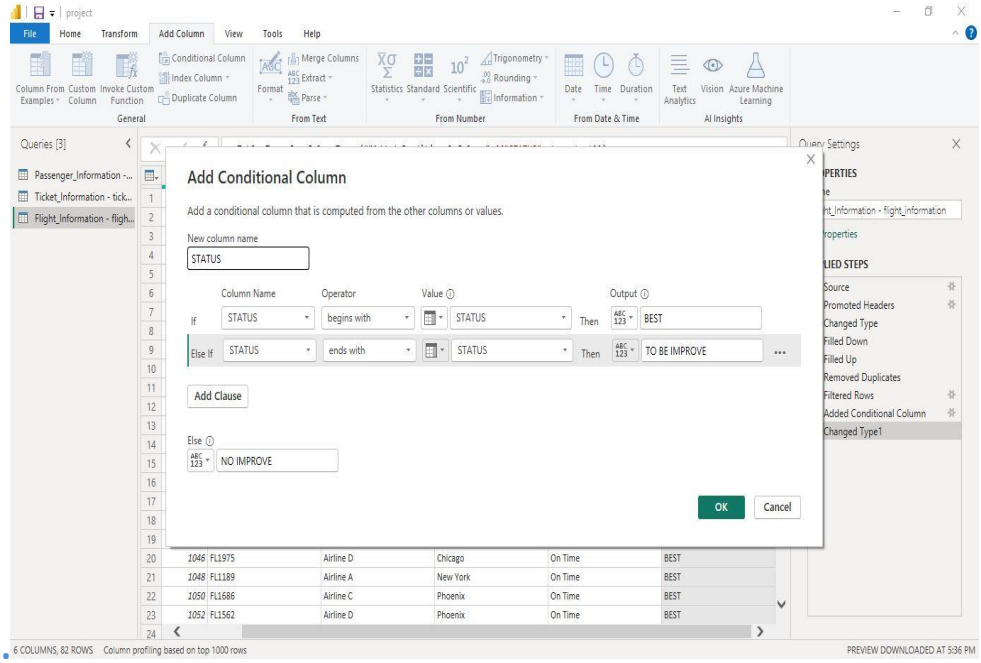


	FlightNumber	Airline	Destination	Status	FLIGHT NUMBER
1	1001 FL1102	Airline D	Houston	On Time	1102
2	1002 FL1435	Airline B	Chicago	On Time	1435
3	1003 FL1860	Airline A	New York	Cancelled	1860
4	1004 FL1270	Airline C	Chicago	Delayed	1270
5	1005 FL1106	Airline C	New York	Delayed	1106
6	1006 FL1071	Airline A	Phoenix	On Time	1071
7	1007 FL1700	Airline C	Los Angeles	Cancelled	1700
8	1008 FL1020	Airline C	Los Angeles	Delayed	1020
9	1009 FL1614	Airline A	Los Angeles	Cancelled	1614
10	1010 FL1121	Airline D	Chicago	Cancelled	1121
11	1011 FL1466	Airline A	Phoenix	On Time	1466
12	1012 FL1214	Airline D	New York	Delayed	1214
13	1013 FL1330	Airline C	Houston	On Time	1330
14	1014 FL1458	Airline C	New York	Delayed	1458
15	1015 FL1087	Airline C	Houston	Delayed	1087
16	1016 FL1372	Airline B	New York	Delayed	1372
17	1017 FL1099	Airline D	Phoenix	Delayed	1099
18	1018 FL1871	Airline B	Houston	Delayed	1871
19	1019 FL1663	Airline B	Chicago	Cancelled	1663
20	1020 FL1130	Airline A	New York	On Time	1130
21	1021 FL1661	Airline B	New York	Cancelled	1661
22	1022 FL1308	Airline A	Houston	Delayed	1308
23	1023 FL1769	Airline A	Chicago	On Time	1769
24					

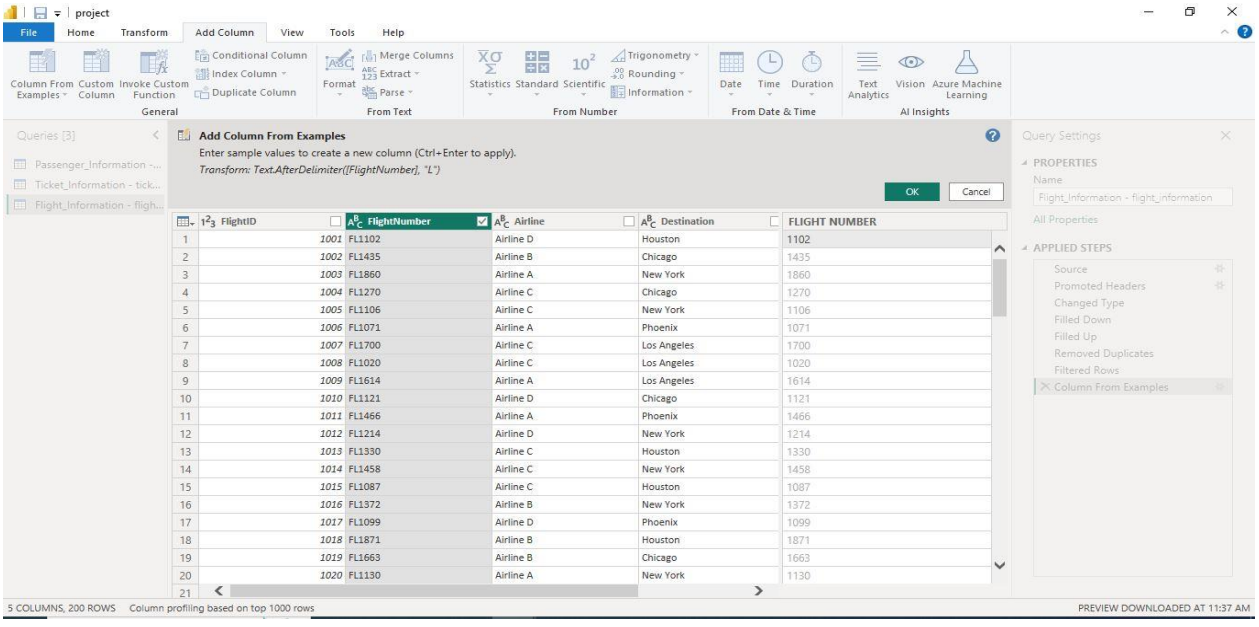
(c). Deliverables: Screenshot of the transformed data

(A).

ANS.



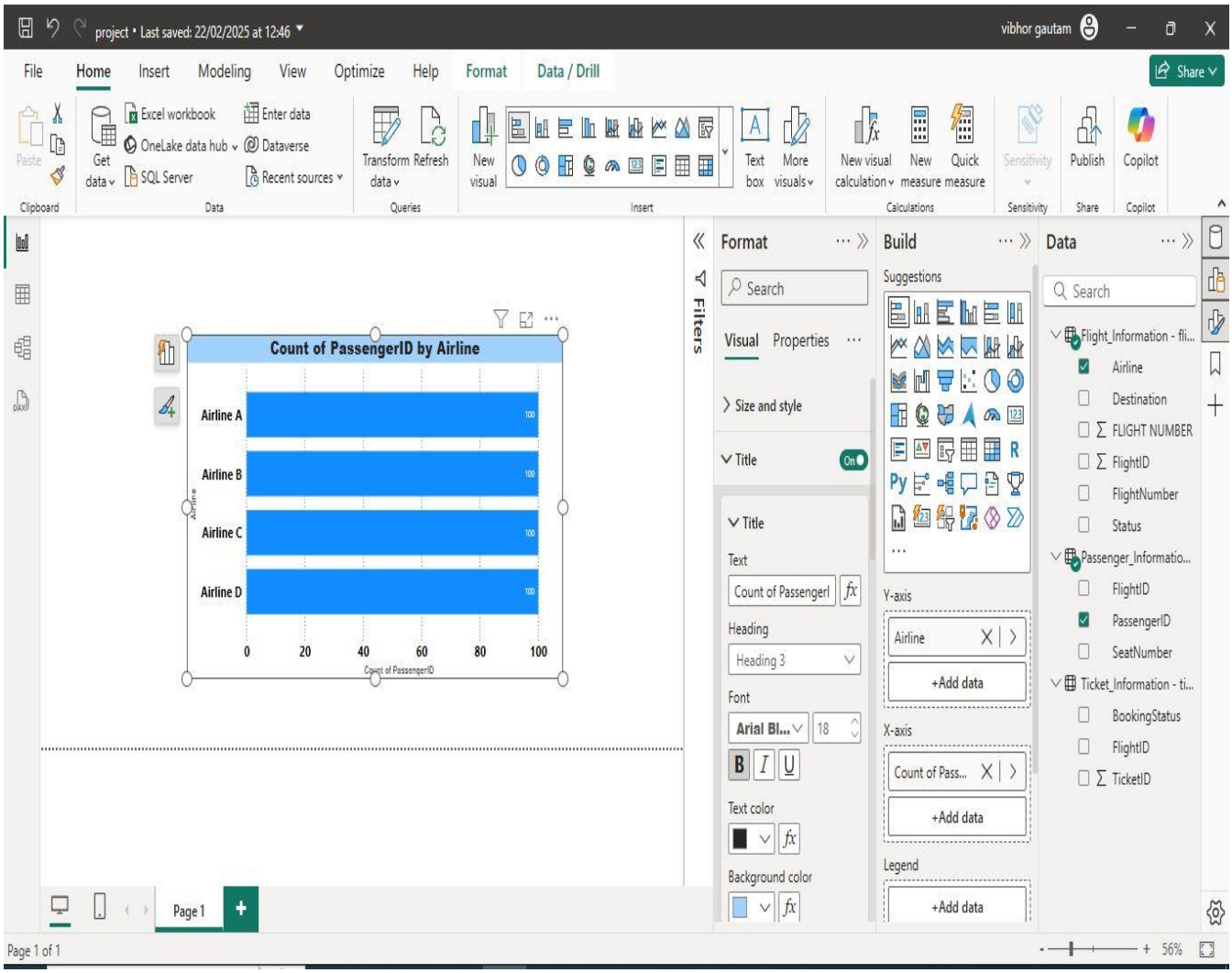
(B).



TASK-5.(A) Create visuals for.

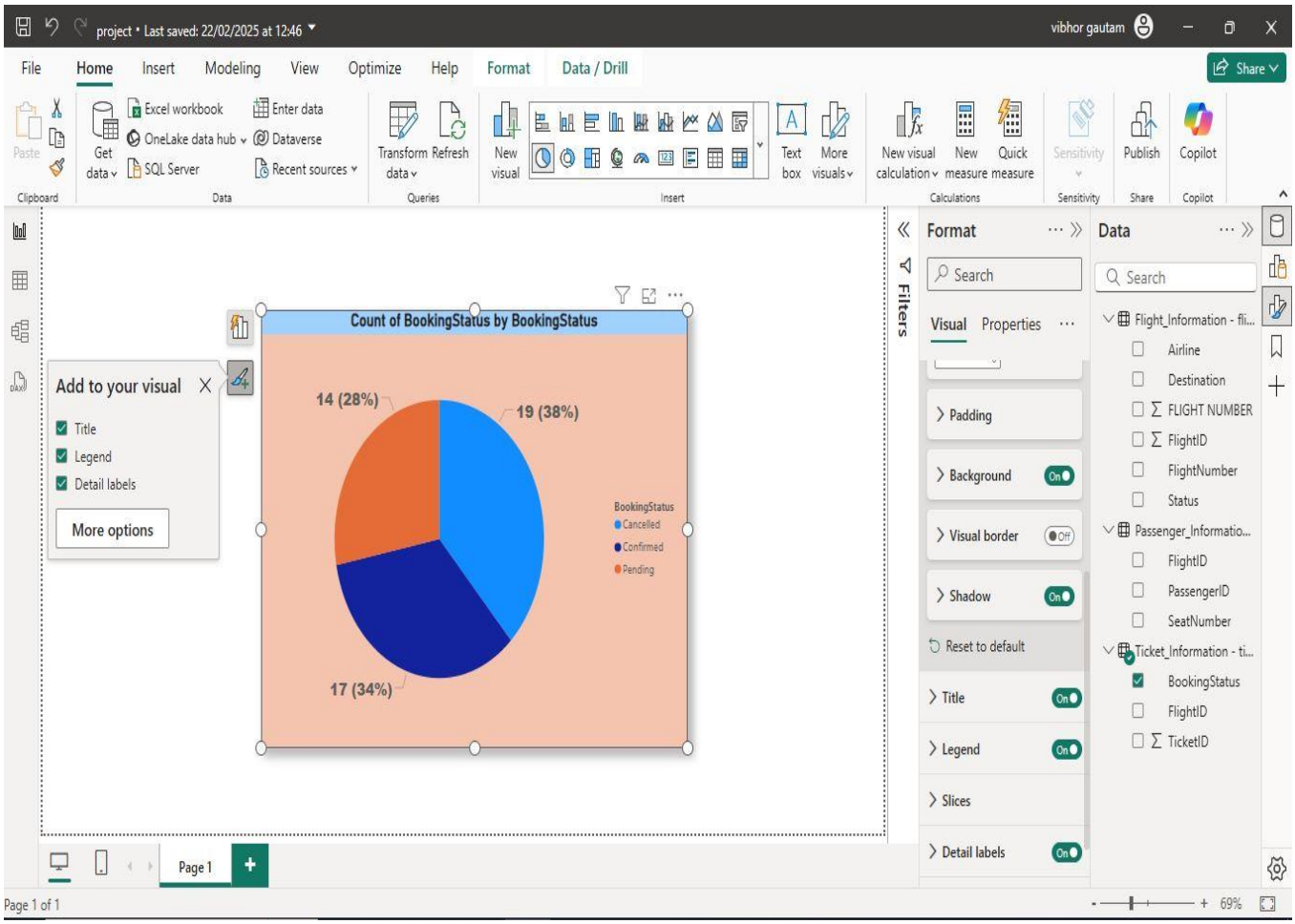
1. Passenger count by airline.

ANS.



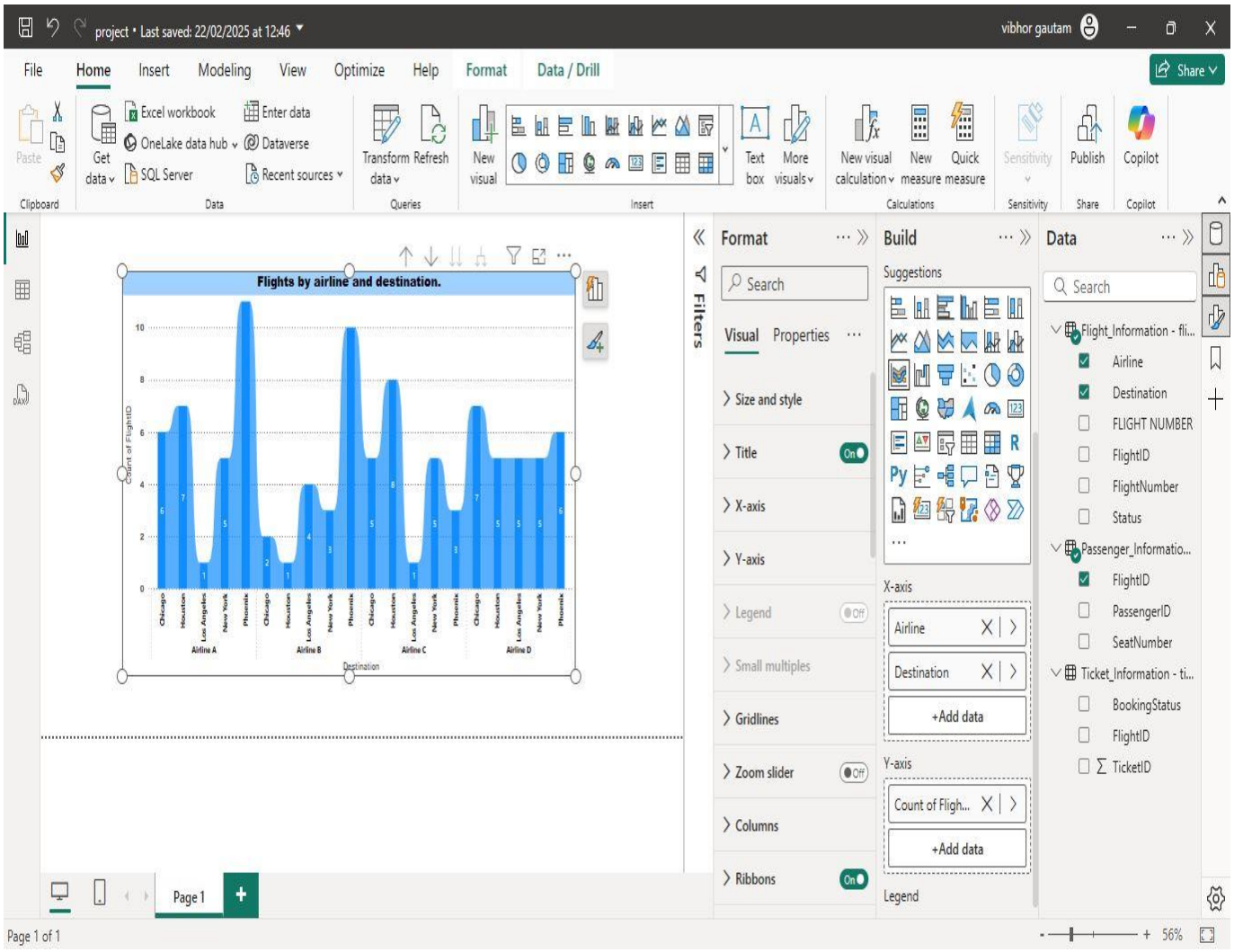
2. Ticket booking statuses.

ANS.



3. Flights by airline and destination.

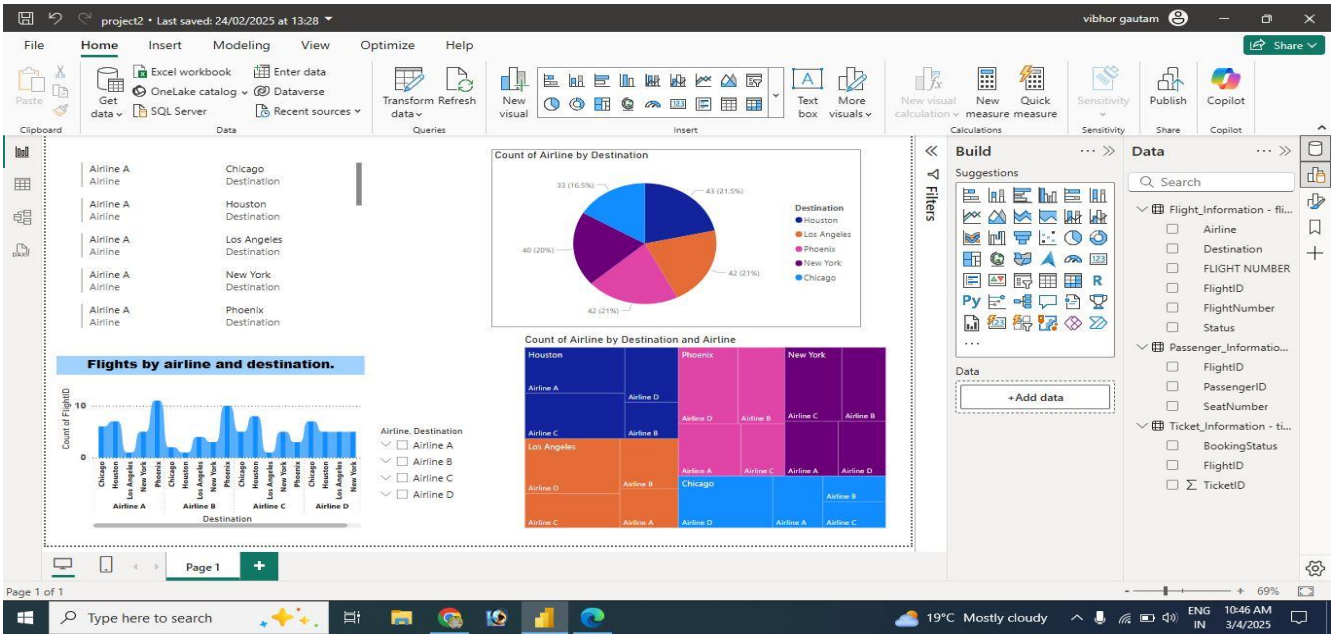
ANS.



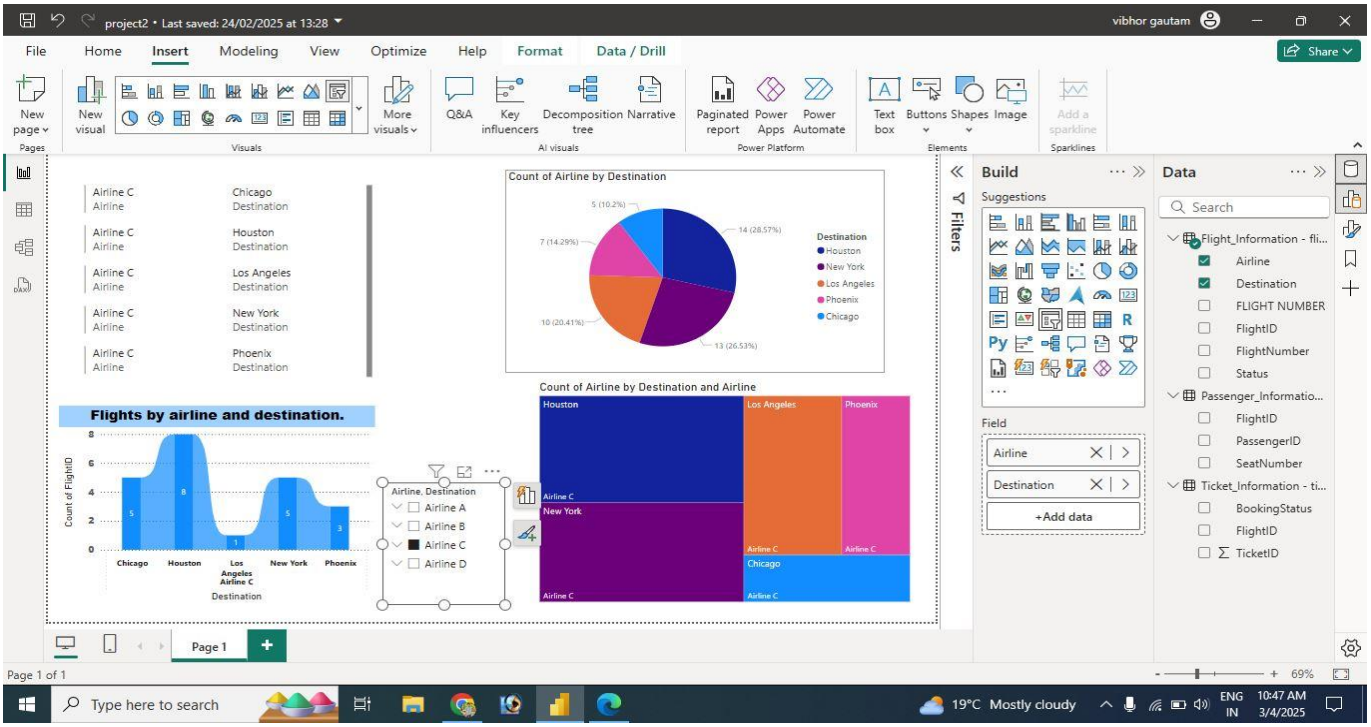
(B). Add interactive features for:

1. Destination and Airline.

ANS.

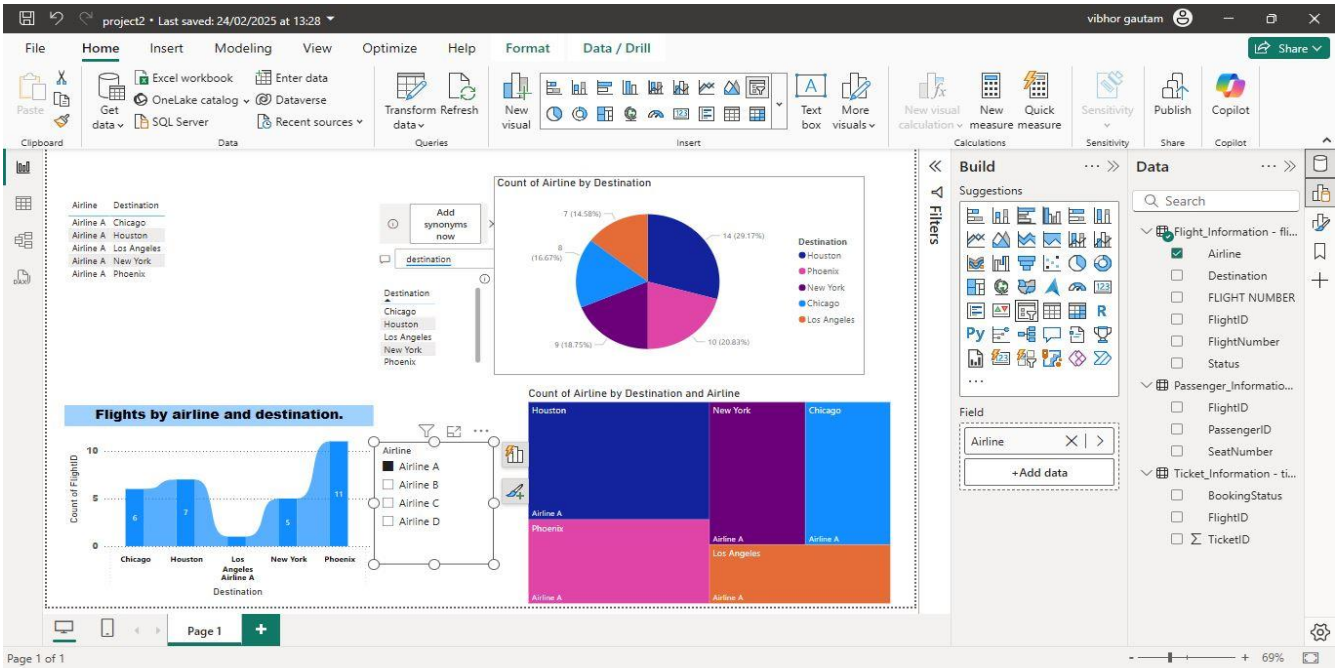


USE INTERACTIVE FEATURES.



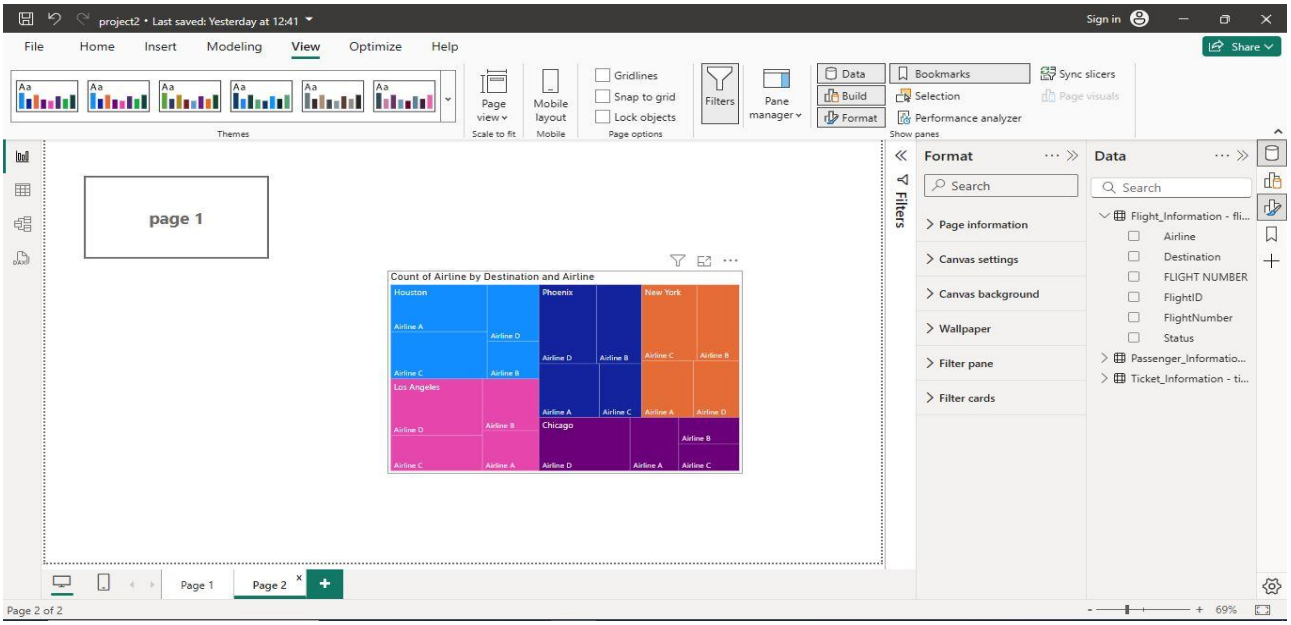
2. Quick views.

ANS. Quick views by airline a

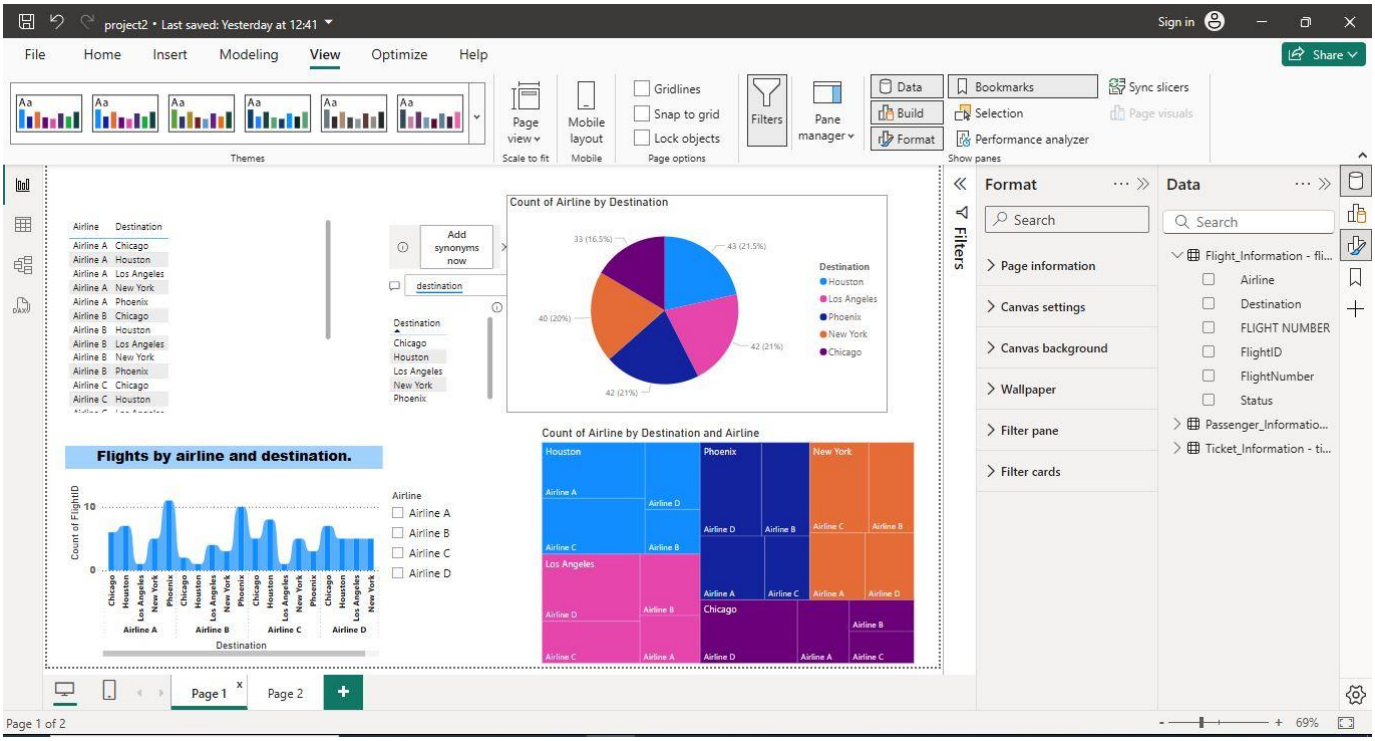


3. Airline-specific pages.

ANS. I am use a page 2 and click blank page button .and fill the text file name is PAGE 1 and go to the format button.



After.


project2 • Last saved: Yesterday at 12:41
Sign in
File
Home
Insert
Modeling
View
Optimize
Help
Share
Themes
Page view
Scale to fit
Mobile layout
Mobile
Gridlines
Snap to grid
Lock objects
Page options
Filters
Pane manager
Data
Bookmarks
Sync slicers
Build
Selection
Page visuals
Format
Performance analyzer
Show panes
Count of Airline by Destination
Destination
Houston
Los Angeles
Phoenix
New York
Chicago
33 (16.5%)
43 (21.5%)
40 (20%)
42 (21%)
42 (21%)
Add synonyms now
destination
Flights by airline and destination.
Count of FlightID
Airline
Airline A
Airline B
Airline C
Airline D
Count of Airline by Destination and Airline
Format
Search
Page information
Canvas settings
Canvas background
Wallpaper
Filter pane
Filter cards
Filters
Data
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FlightNumber
Status
Passenger_Informatio...
Ticket_Information - ti...
Page 1
Page 2
Page 1 of 2
69%

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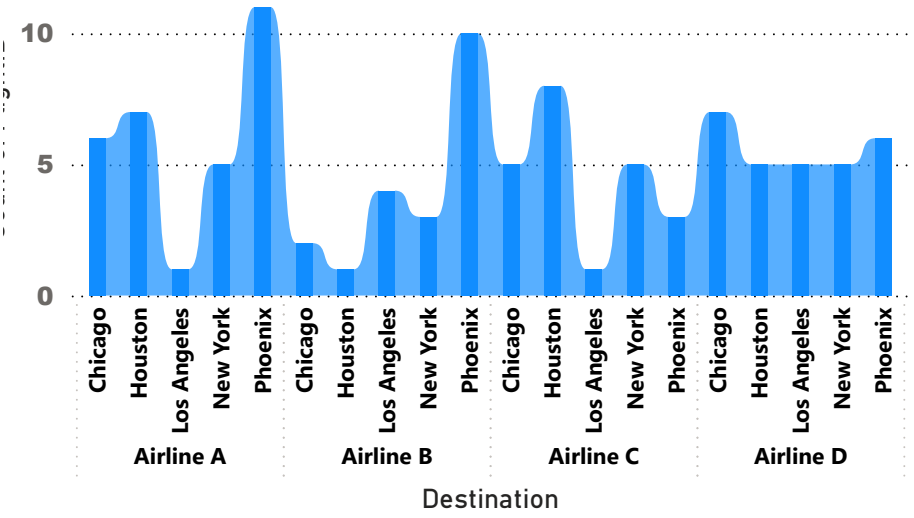
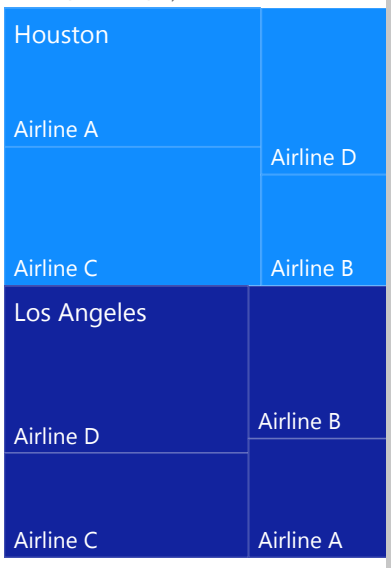
Ask a question about your data

Airline C	Houston
Airline C	Los Angeles
Airline C	New York
Airline C	Phoenix
Airline D	Chicago
Airline D	Houston
Airline D	Los Angeles
Airline D	New York
Airline D	Phoenix

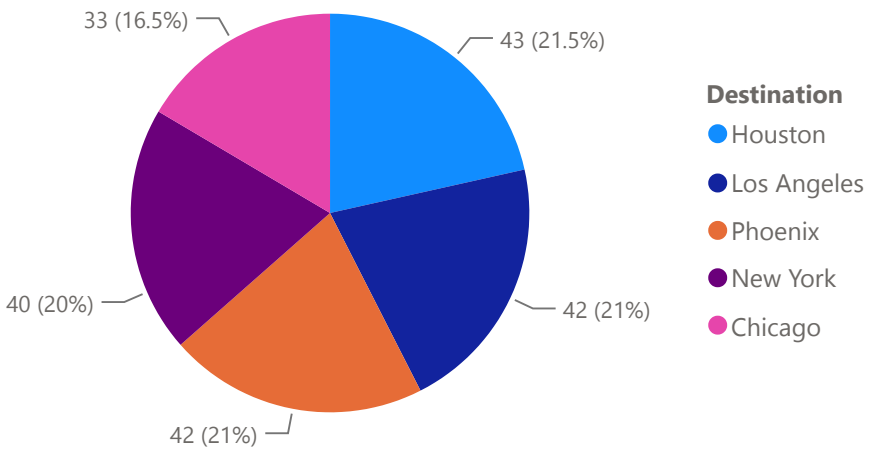
ights by airline and destination.



Count of Airline
BY DESTINATION, AIRLINE



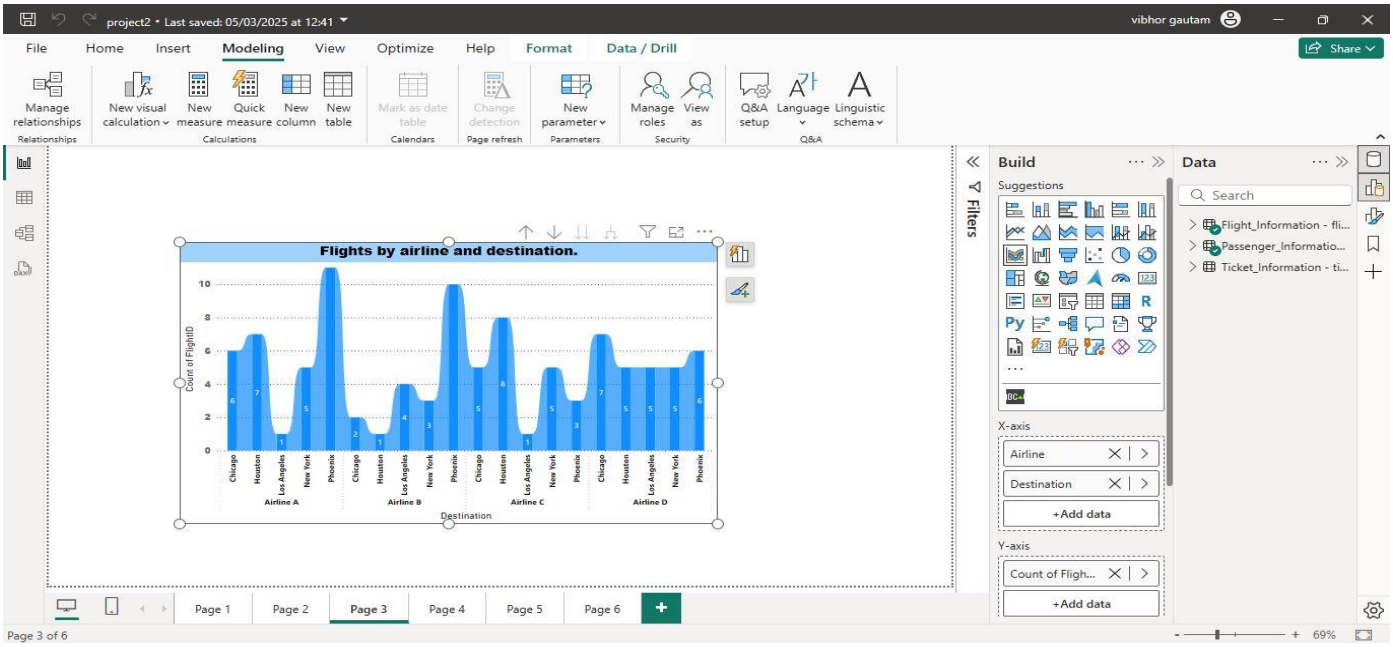
ount of Airline
DESTINATION



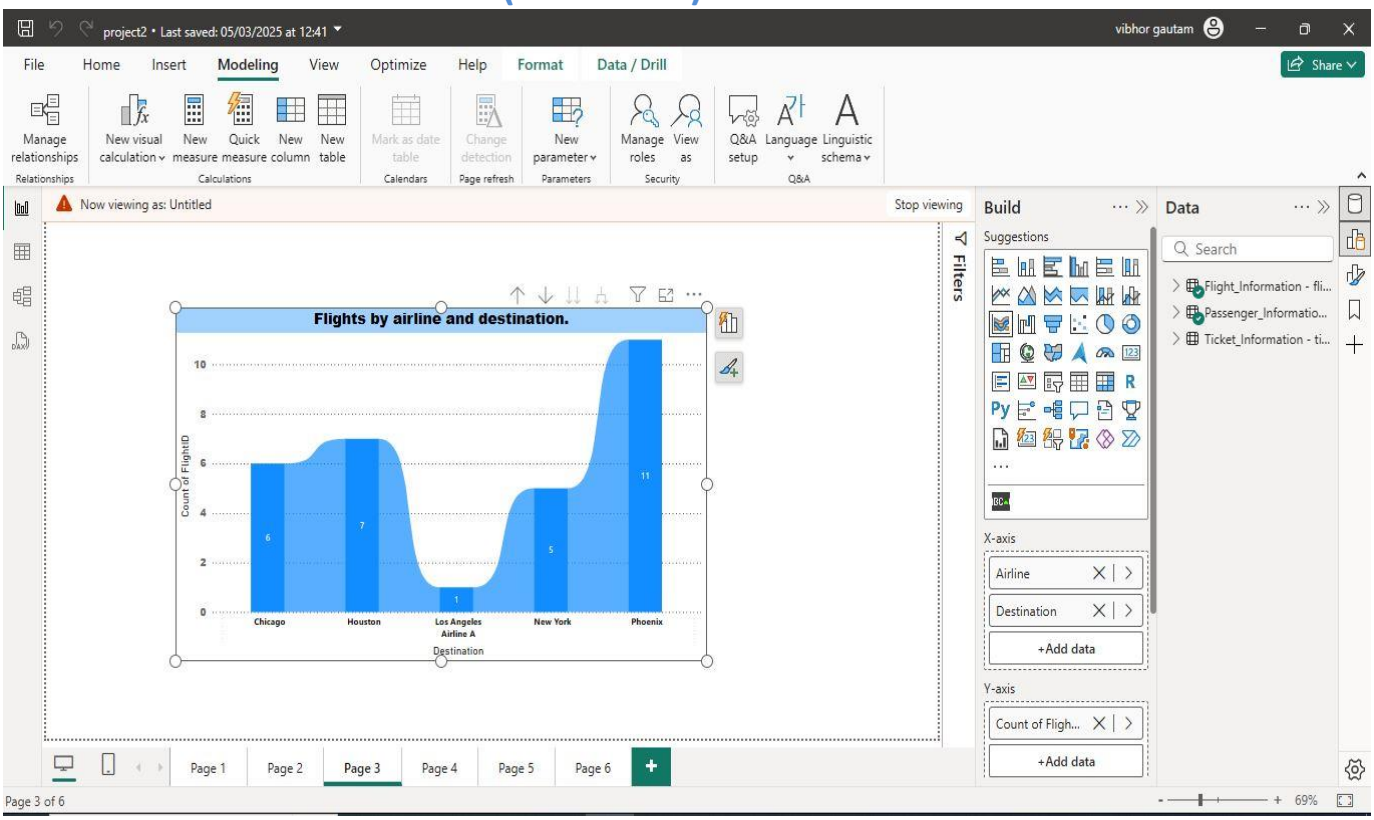
TASK.6 Final Dashboard and Power BI Service

(2). Configure Row-Level Security (RLS) for Airline A data and assign it to a user.

ANS.

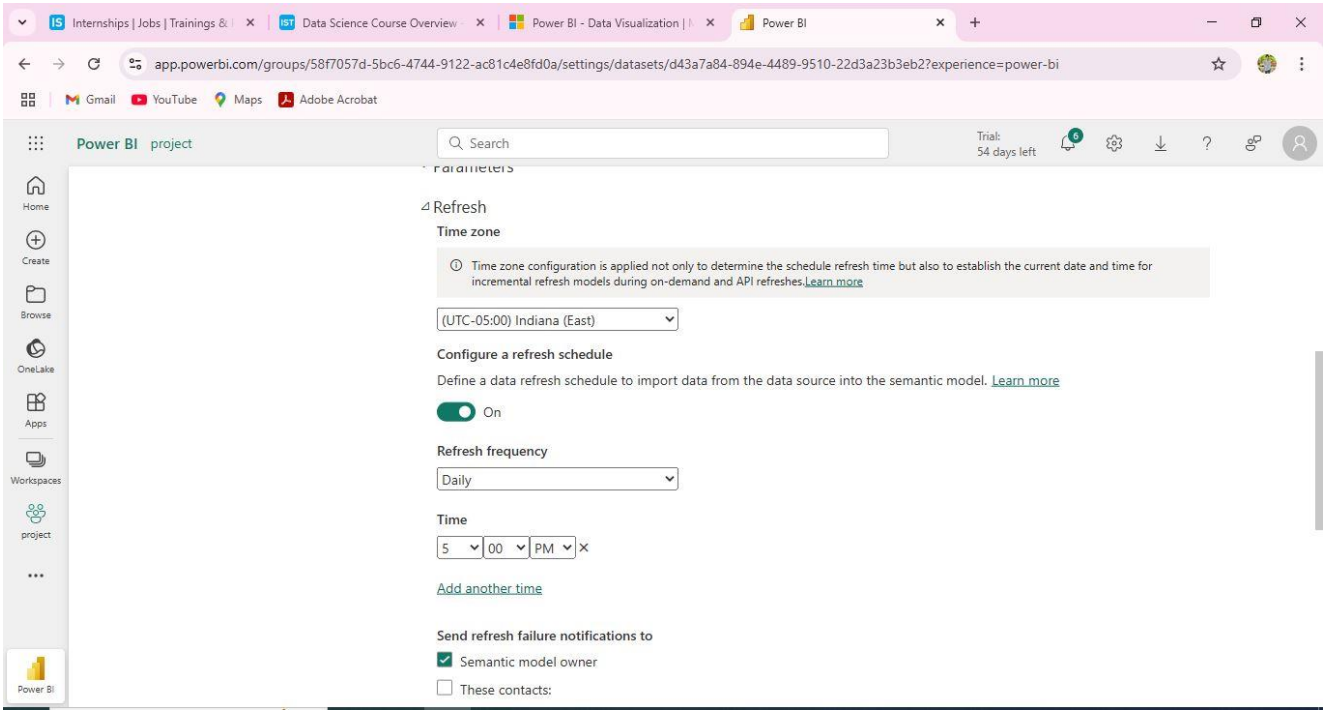


Use a ROW LEVEL SECURITY (AIRLINE A) .

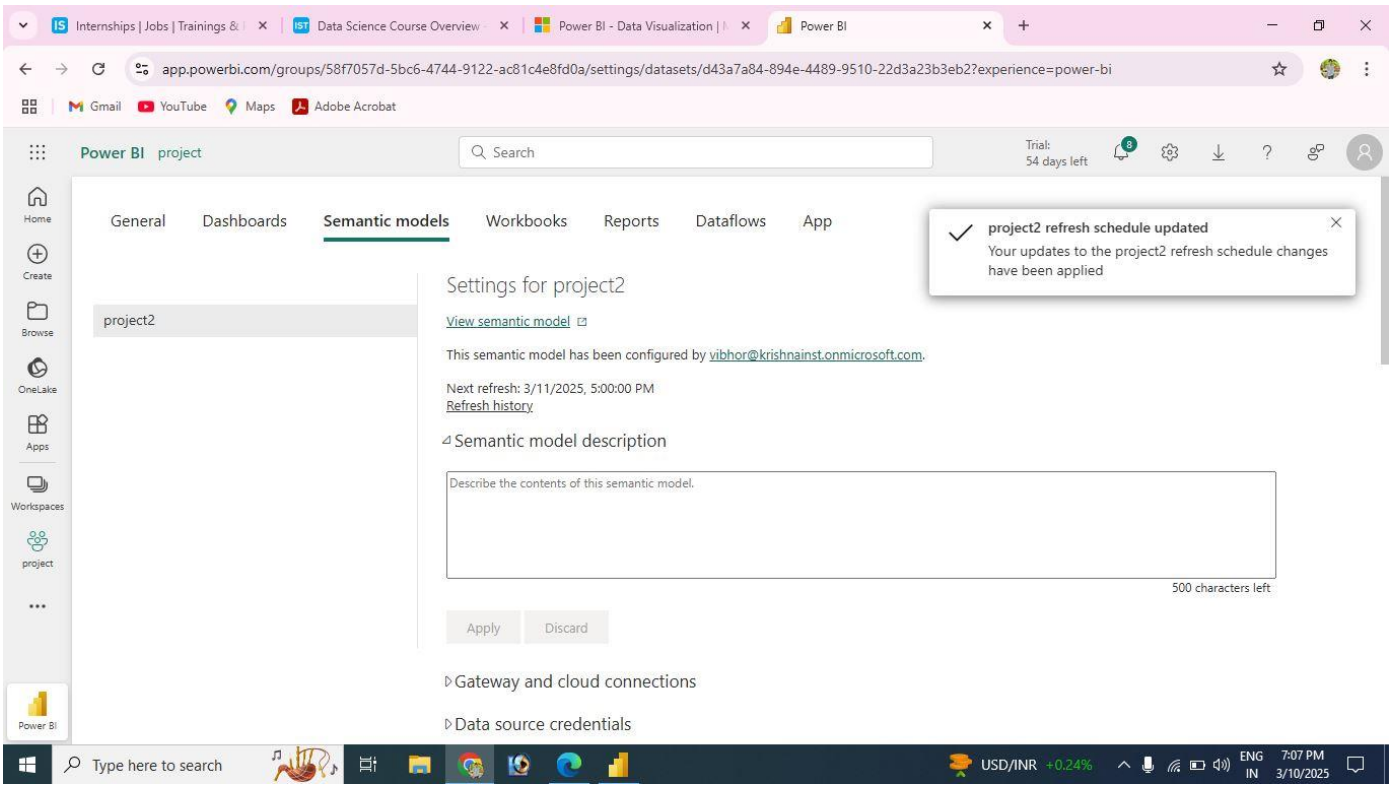


(3). Setup a schedule refresh at 5 PM daily.

ANS. PREVIOUS TIME

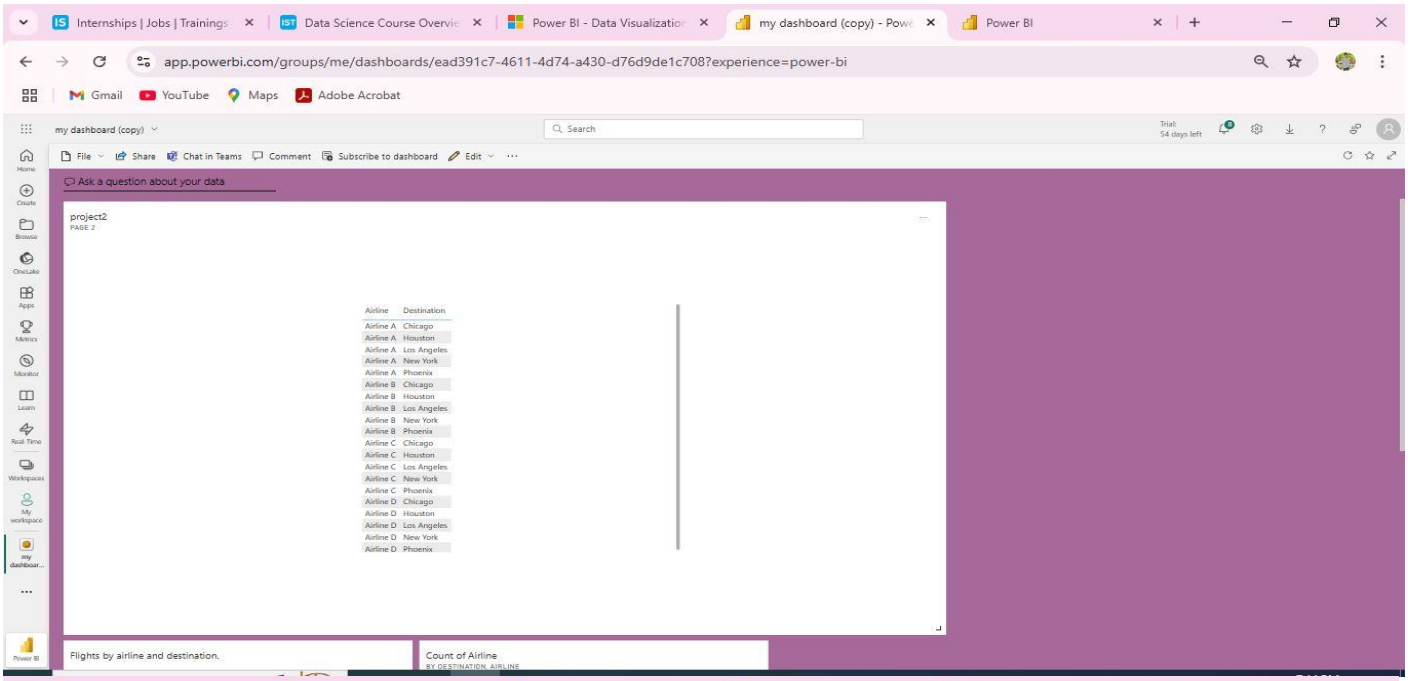


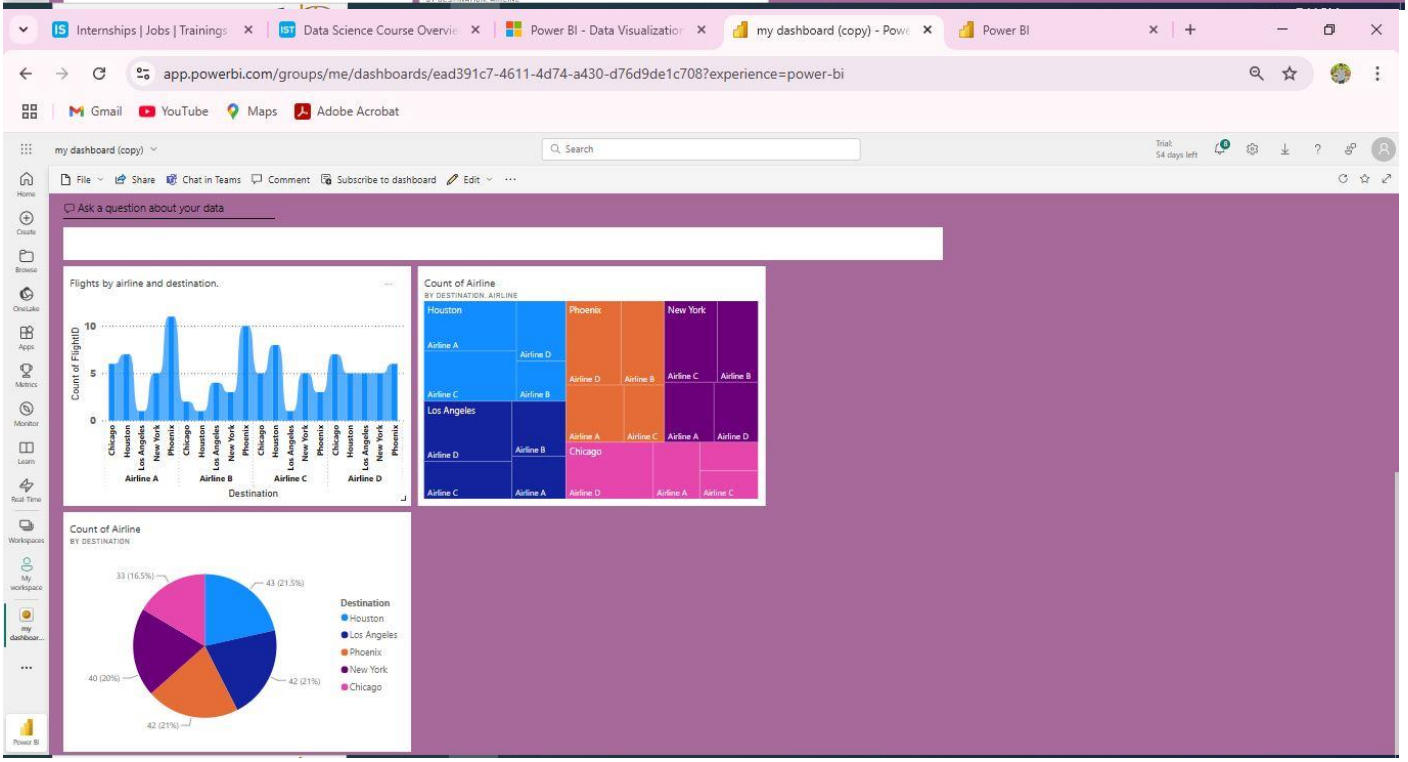
AFTER USE A SCHEDULE REFERESH TIME



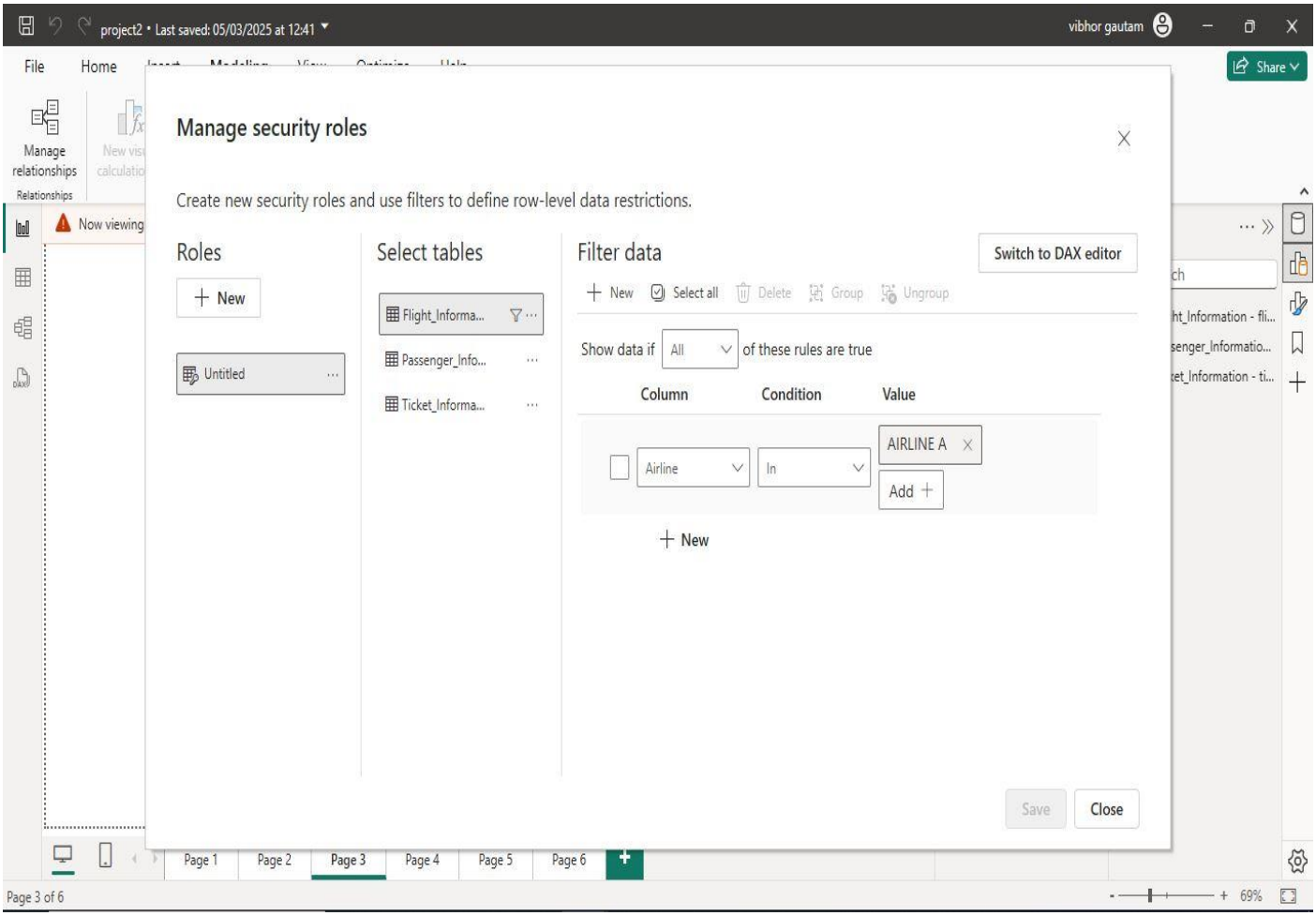
(4). Deliverables: Screenshot of the published dashboard and RLS configuration

ANS 1





ANS. 2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vibhor gautam
File
Home
Share
Manage relationships
Relationships
Manage security roles
Create new security roles and use filters to define row-level data restrictions.
Roles
New
Untitled
Select tables
Flight_Informa...
Passenger_Info...
Ticket_Informa...
Filter data
Switch to DAX editor
New
Select all
Delete
Group
Ungroup
Show data if
All
of these rules are true
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