

Assignment 1

by Jae Mears

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Data Analysis and Visualization

With this case study I will have to use PowerBI extract and show all the data in the airlines folder, this shows everything down to airlines, the amount of order, total cost, and more. I will have to show on PowerBI a good understanding and show off my work and data. Then I will have to produce an Executive Summary Report showing all of my work leading up to this report in a nice tidy way.

Task 3: Relationships.

Manage relationships

Active	From: Table (Column)	To: Table (Column)
☒	Airline_port_country (Flight_num)	Airline (FlightNum)
☒	International Miles (Airline)	Airline (Airline)
☒	OrderCost (FlightNum)	Airline (FlightNum)
☒	Total Operating Fleet (Airline)	Airline (Airline)

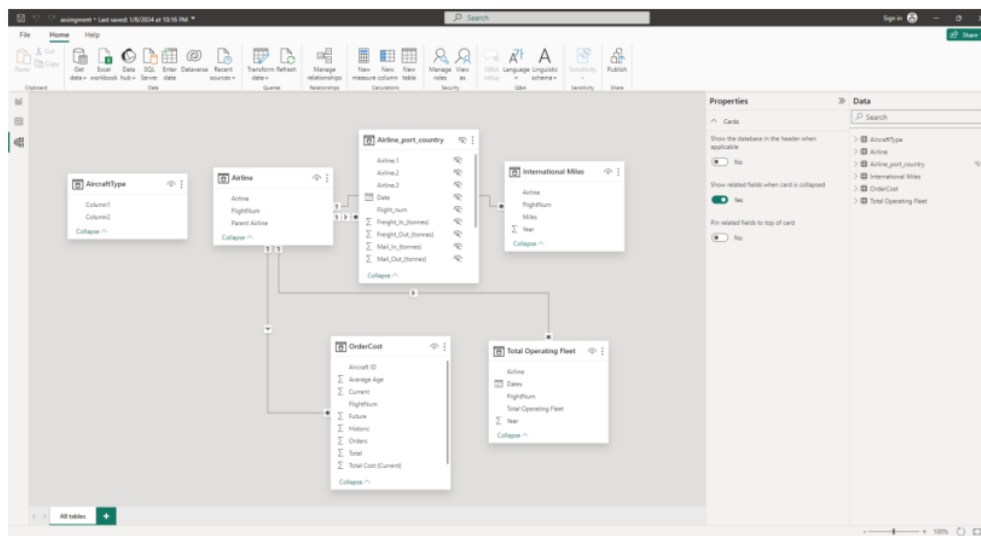
New...

Autodetect...

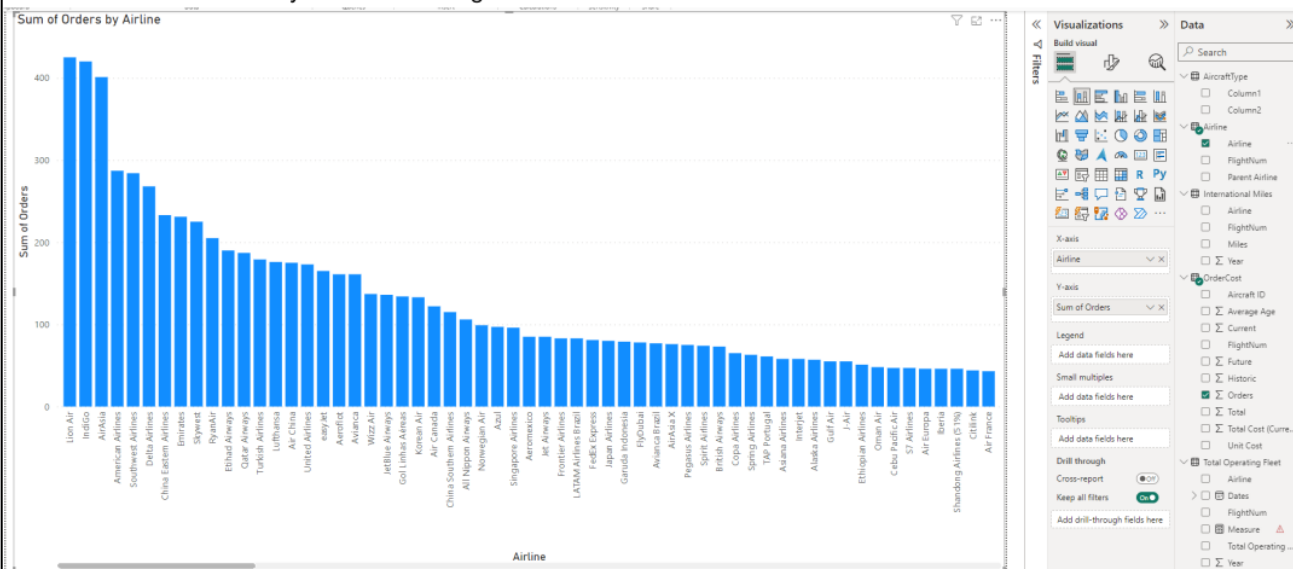
Edit...

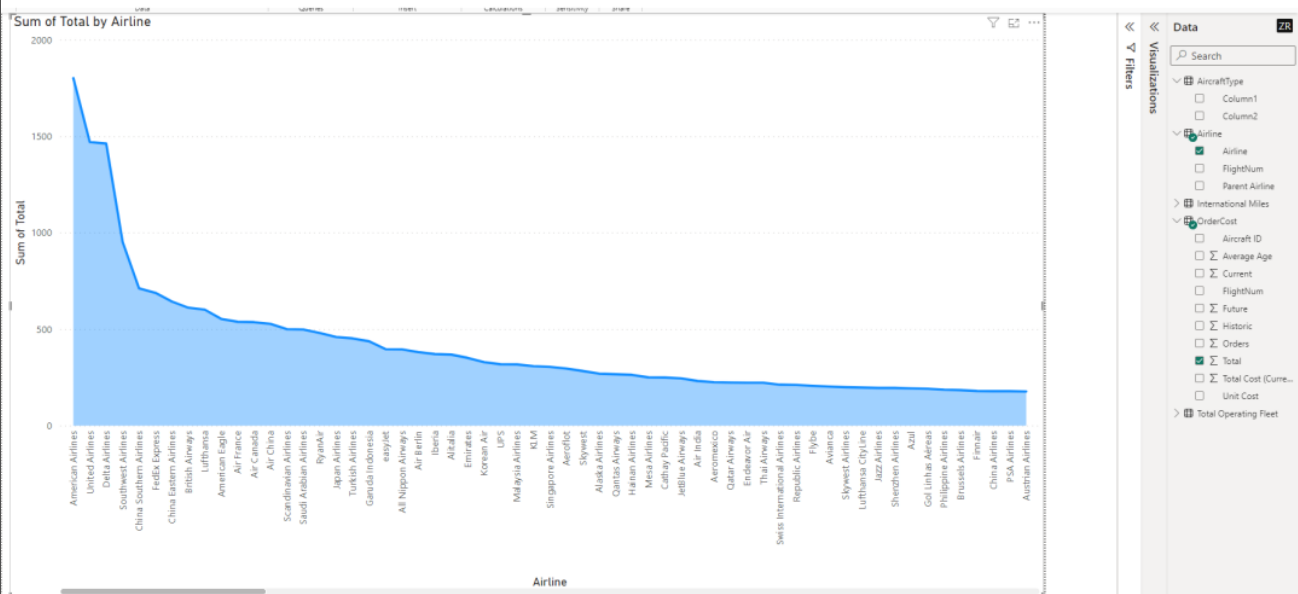
Delete

Close

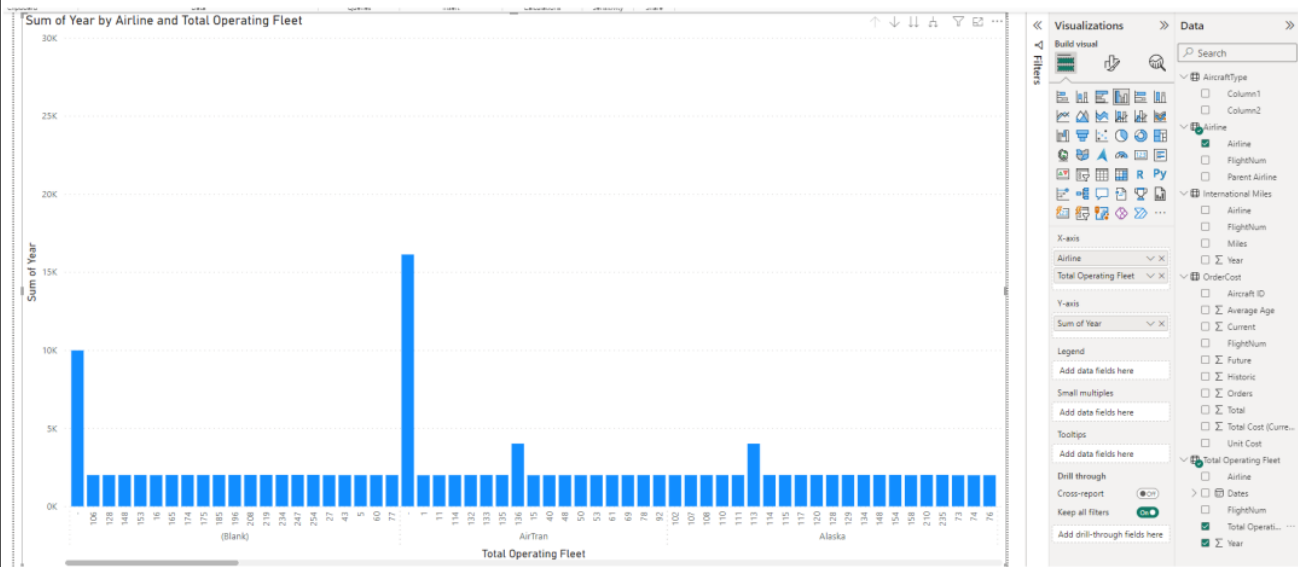


Task 4: Analyse the data using visualization.

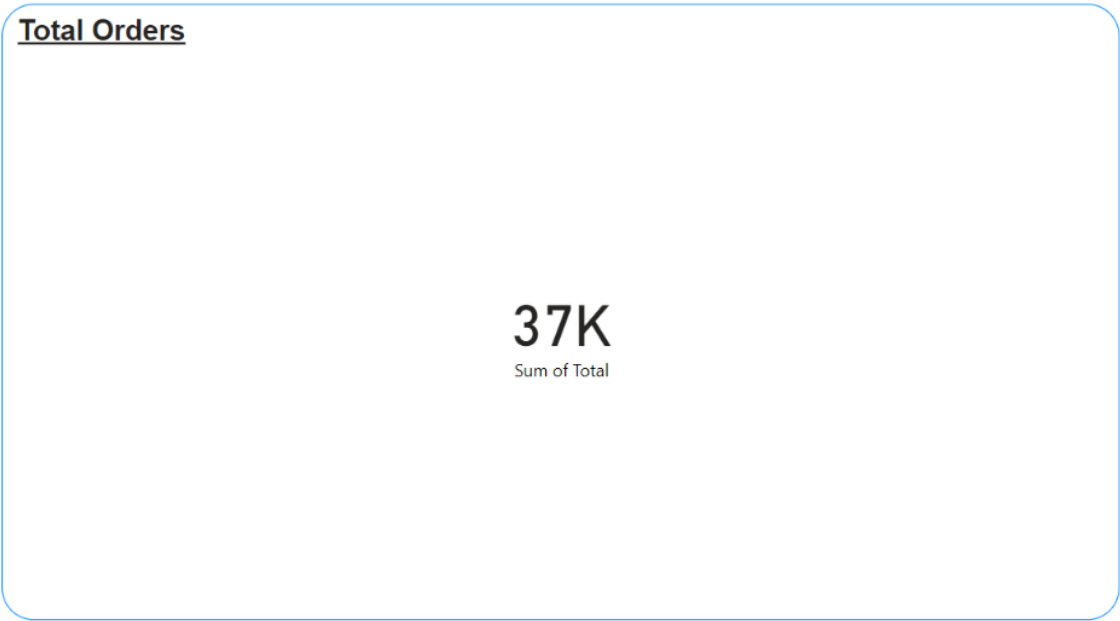




American Airlines, United Airlines, Delta Airlines, Southwest Airlines and China Southern Airline are the top five highest cost airlines.

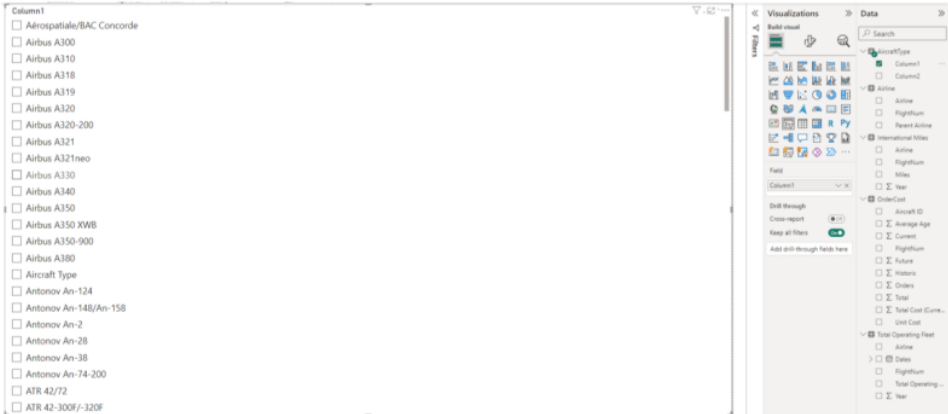


This bar chart shows the yearly trend of freight in information for different airlines.



Total number of orders with a title and border.

Task 5:



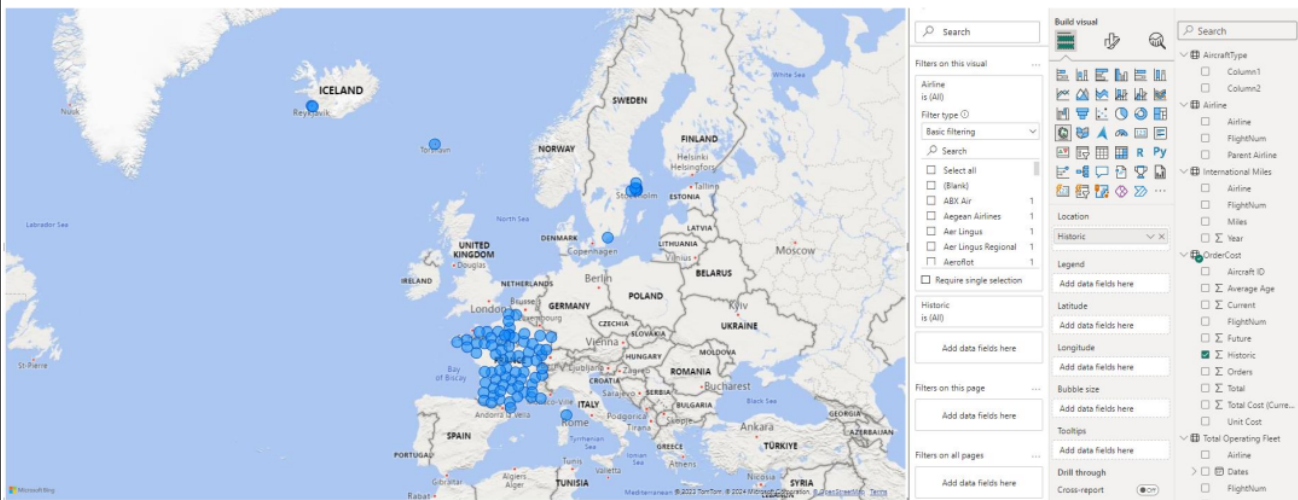
The screenshot shows the Tableau interface. On the left, the 'Columns' shelf contains a list of aircraft models: Select all, Adropspatiale/BAC Concorde, Airbus A300, Airbus A310, Airbus A318, Airbus A319, Airbus A320, Airbus A320-200, Airbus A321, Airbus A321neo, Airbus A330, Airbus A340, Airbus A350, Airbus A350-900, Airbus A380, Aircraft Type, Antonov An-124, Antonov An-148/An-158, Antonov An-2, Antonov An-28, Antonov An-36, Antonov An-74-200, and ATR 42/72. On the right, the 'Data' pane shows the 'Columns' field set to 'Aircraft Type'. The 'Rows' shelf is empty.

Task 6:

Airline
Air Arabia
Air Arabia Egypt
Air Arabia Jordan
Air Arabia Maroc
AirAsia India

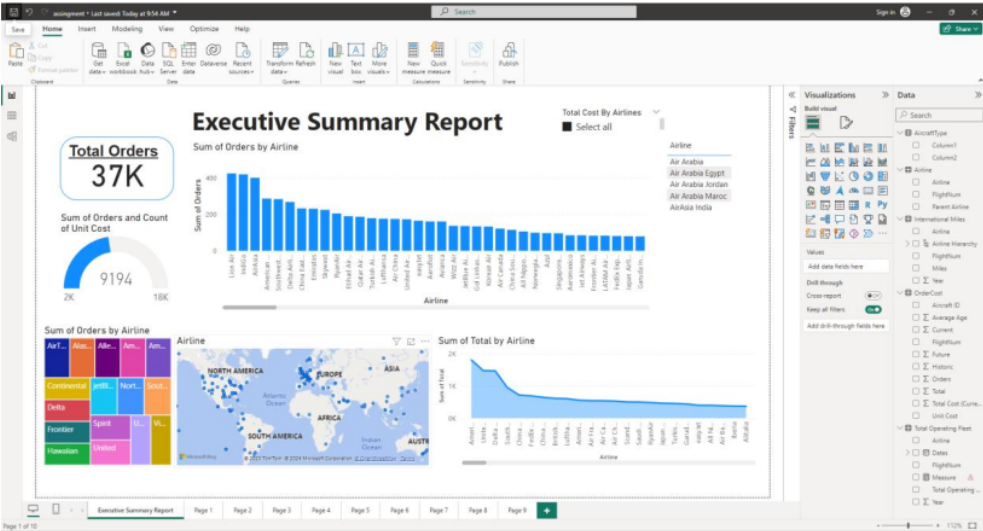
These are the top five airlines by total cost.

Task 7:



This Is a map visual to show the count of airlines for different countries. By selecting the map visual I can create a map with the units I put in to show a understanding of the amount of airlines to countries.

Task 10:



This is my Executive Summary Report on this topic.

Assignment 1

GRADEMARK REPORT

FINAL GRADE

31 / 100

GENERAL COMMENTS

Hi Jae,

Great effort.

Task 1 :	4
Task 2 :	0
Task 3 :	3
Task 4 :	10
Task 5 :	4
Task 6 :	1
Task 7 :	4
Task 8 :	0
Task 9 :	0
Task 10 :	5

Introduction and Conclusion:

A brief introduction and conclusion about the company and the need for creating this dashboard would have been a good start.

As a general note, for all the sections explanations should have been added along with the screenshots.

Clear labelling is also missing.

The following are the comments for your tasks:

Task 1:

Not Attempted

Task 2:

Not Attempted

Task 3:

The relationship diagram provides a clear overview of all tables and their respective fields; however, the details explaining the connections between tables are absent.

Task 4:

I appreciate your effort in creating a clear visual. However, the bar chart should have been generated between the sum of orders and aircraft types for the first section. I highly recommend double-checking the question before attempting it in the future.

Providing clear labels for your answers will facilitate the grading process.

Task 5:

A good representation of a slicer is included in the visual. On a general note, screenshots could have been cropped accordingly which could have helped understand better

Task 6:

The top 5 airlines have been wrongly identified and also the chart used to find is not clear.

Task 7:

Good attempt to show different countries using a map chart.

Task 8:

Not Attempted

Task 9:

Not Attempted

Task 10:

The report demonstrated clear differentiation between all the visuals, aligning well with the content. However, it has been observed that some charts were included in the final report without being created or explained, and there is no evidence of their creation on other pages as well.

I hope these comments will be of help in your future assignments.

Please let me know should you have any further clarifications

