UNLOCKING INSIGHT INTO THE GLOBAL AIR TRANSPORTATION NETWORK

Project report

Introduction:

Description of project:

The global air transportation network dataset is the comprehensive collection of information on airports, airlines, airplane and routes. It content information such as names, cities, country, codes {IATA and ICAO} longitudes, latitudes and altitudes of airports across the world. With detailed time zone and daylight saving time data. Additionally they include information about the airports including their lds, name, and aliases. IATA and ICAO code, call sign country of origin and active/inactive status similarly, it also cover sources details such as airline sources to destination airports along with essential details like code share stakeholder if any stops required during this journey along with the type of aircraft being used for that particular journey.

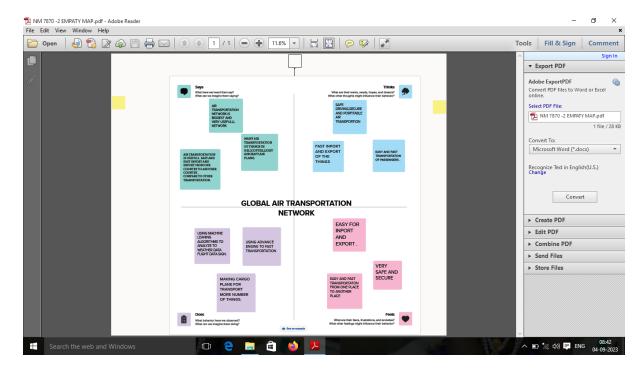
Uses:

It s use to analyses the details of air transportation network.

PROBLEM DEFINITION & DESIGN THINKING:

EMPATHY MAP:

Step1: first we make a empathy map for a group idea .For create a empathy go to mural web site and logic with email account and search the templates that you wanted to create.

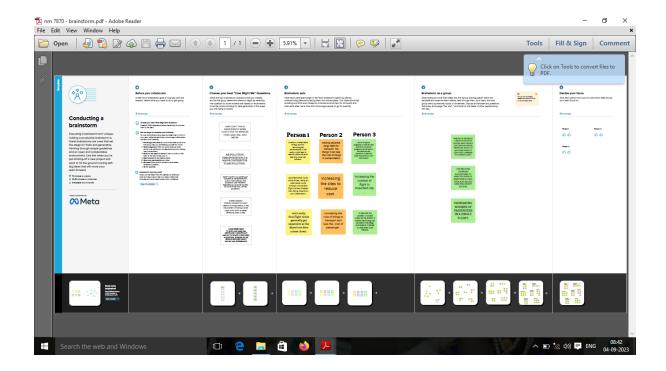


BRAINSTORMING MAP:

Step2: then make a brainstorm used mural website, in brainstorm we discussion the define problem and understanding the problem. First we have defined what are the problem and type in the question box.

Then it is a group idea is write in the box person1, person2 and person 3 now three person give different idea for problem.

Take best three idea and type in last box.



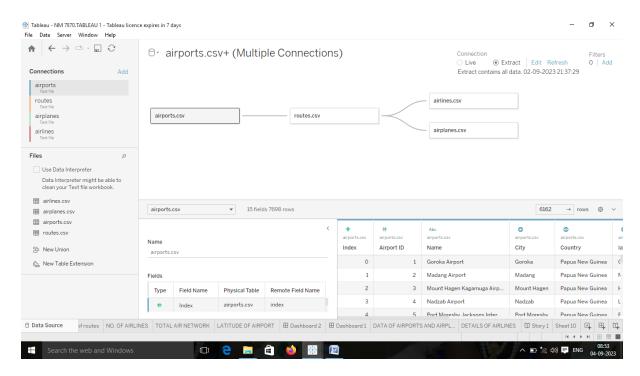
PROCEDURE FOR TABLEAU PROJECT:

Step3: before opening the tableau desktop we had download the dataset for your project.

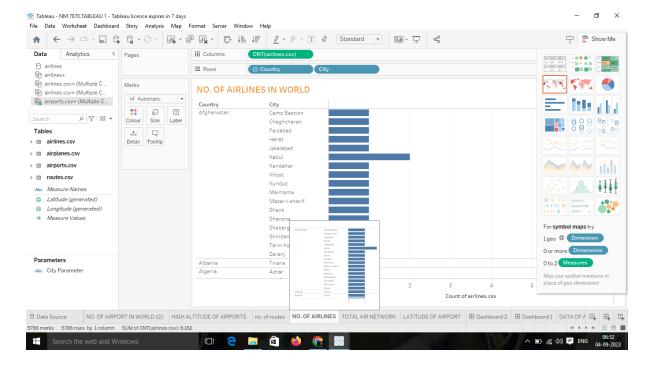
Step4: after download the dataset we open the tableau desktop

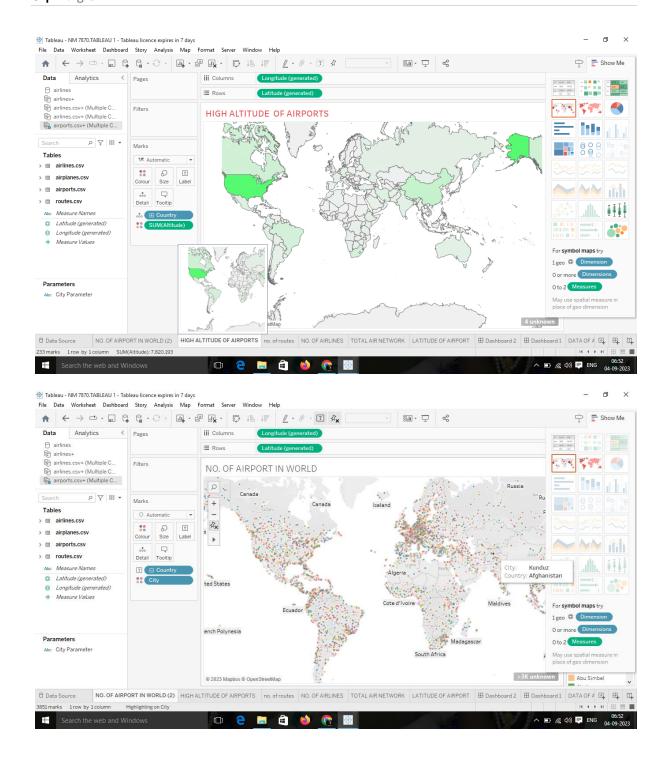
Step5: after opening selected connect to data, select the "more" option and select the dataset.

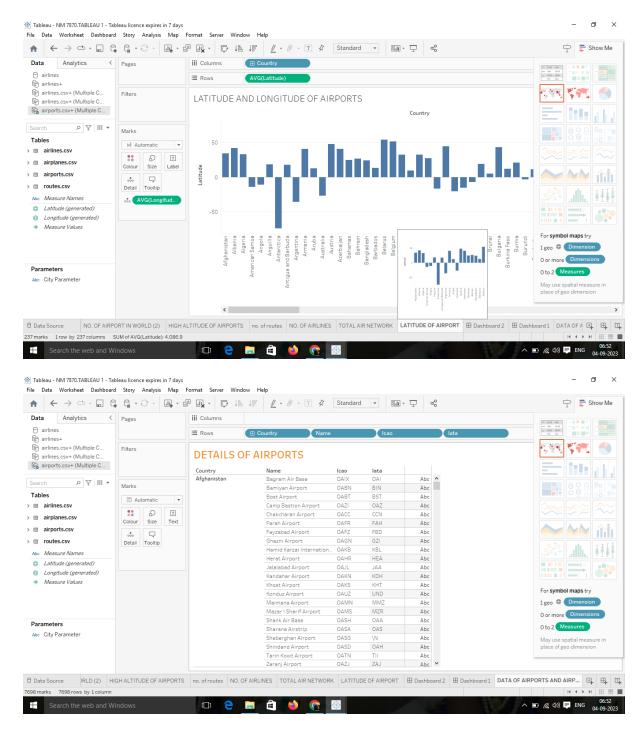
Step6: it open in the data source, now we arranged the data and select the "extract" option for the better per formation for you analysis. I have arranged my in the order airports data is first, air route at second, airlines and airplanes are joined together with air routes. Now we have switched to extract mode and I have create 6000+ row that I need .then save it.



Step7: I have made 8 analysis sheets. The first sheet I made is a map contain the details of number of airports in the world. And the second one the map show the high amplitude of airports, then the details of total number of airports, airlines ,airplane and air route etc. The next the bar graph is show the latitude and longitude.



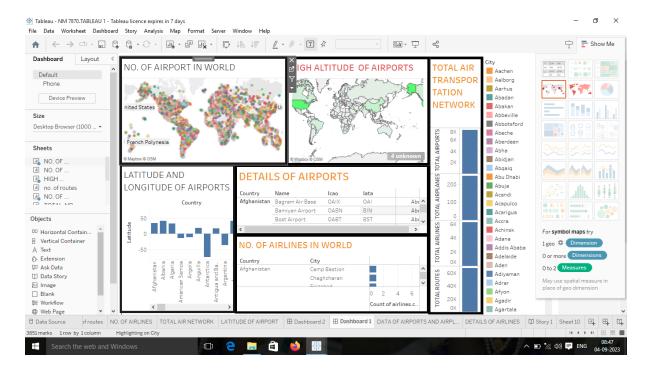




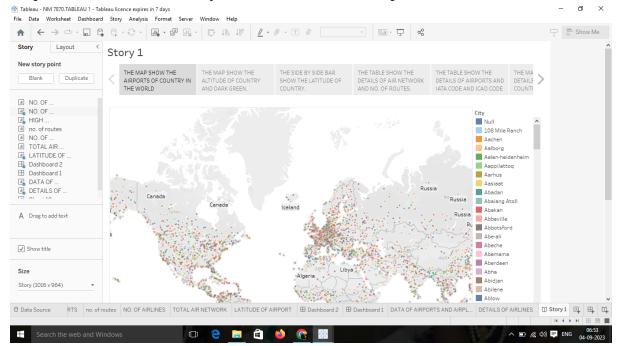
Step8: after finishing the analysis data, add a dashboard.

Step9: In the dashboard we can combine more sheets in single dashboard. The dashboard contains the combine of sheet that we created.

RESULT:



Step10: we created a story in the tableau desktop.



Step11: sign into the tableau account.

Step12: publish the workbook in the tableau cloud.

Step13: upload the project in the github.

ADVANTAGES:

- It used to user to get a holistic view of the entire data one screen about the air transportation network.
- It used to saves times and resources.
- This visualizing and analyzing is very easier to analyses the data of the air transportation network and it help in making business decision.

DISADVANTAGES:

• Nil

Application:

• This visualizing and analyzing is very easier to analyses the data of the air transportation network and it help in making business decision.

Conclusion:

The tableau desktop is very useful to analyses the large number of data in one screen. We have learn how to analyses the data, how visualizing the data and how to create a dashboard and story.

My project is unlocking insight into the global air transportation network and has more 10 sheets, 2 dashboards and 1 story.

Future scope:

Easy to Analyses the data of air transportation network for the business and other purpose.