

PROJECT REPORT TEMPLATE

UNLOCKING INSIGHTS INTO THE GLOBAL AIR TRANSPORTATION NETWORK WITH TABLEAU

1.INTRODUCTION

1.1 OVERVIEW

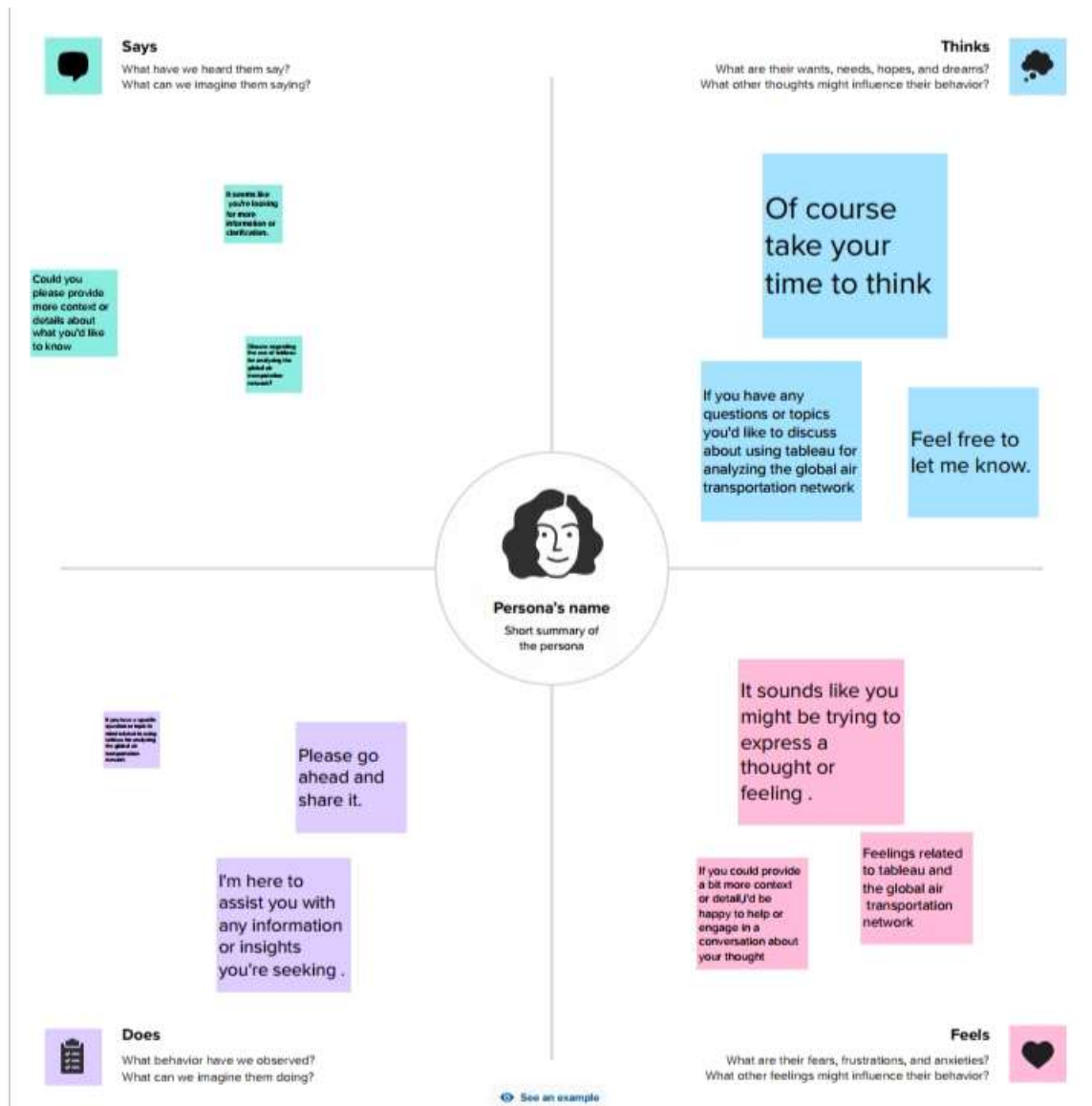
This Global Air Transportation Network dataset is a comprehensive collection of information on airports , airlines and their routes. It contains information such as names, cities, countries , codes (IATA and ICAO) longitudes , latitudes and altitudes of airports across the world with detailed time zone and daylight saving time data. Additionally, this include information about airlines including their IDs, name aliases, IATA and ICAO codes, callsigns country of origin and active/ inactive status.

1.2 PURPOSE

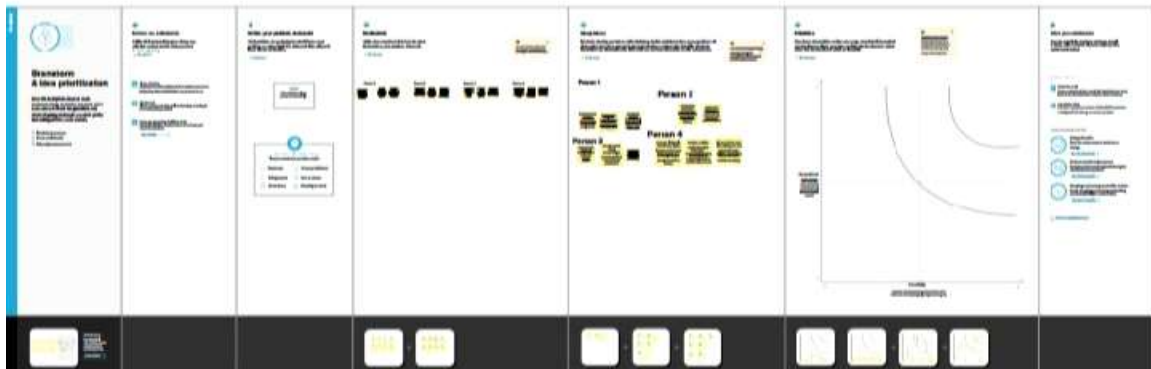
The importance of air transport lies in its ability as an economic engine to generate and support jobs, strengthen trade and connectivity between people and countries, promote tourism, and connect remote communities.

2.PROBLEM DEFINITION AND DESIGN THINKING

2.1 EMPATHY MAP

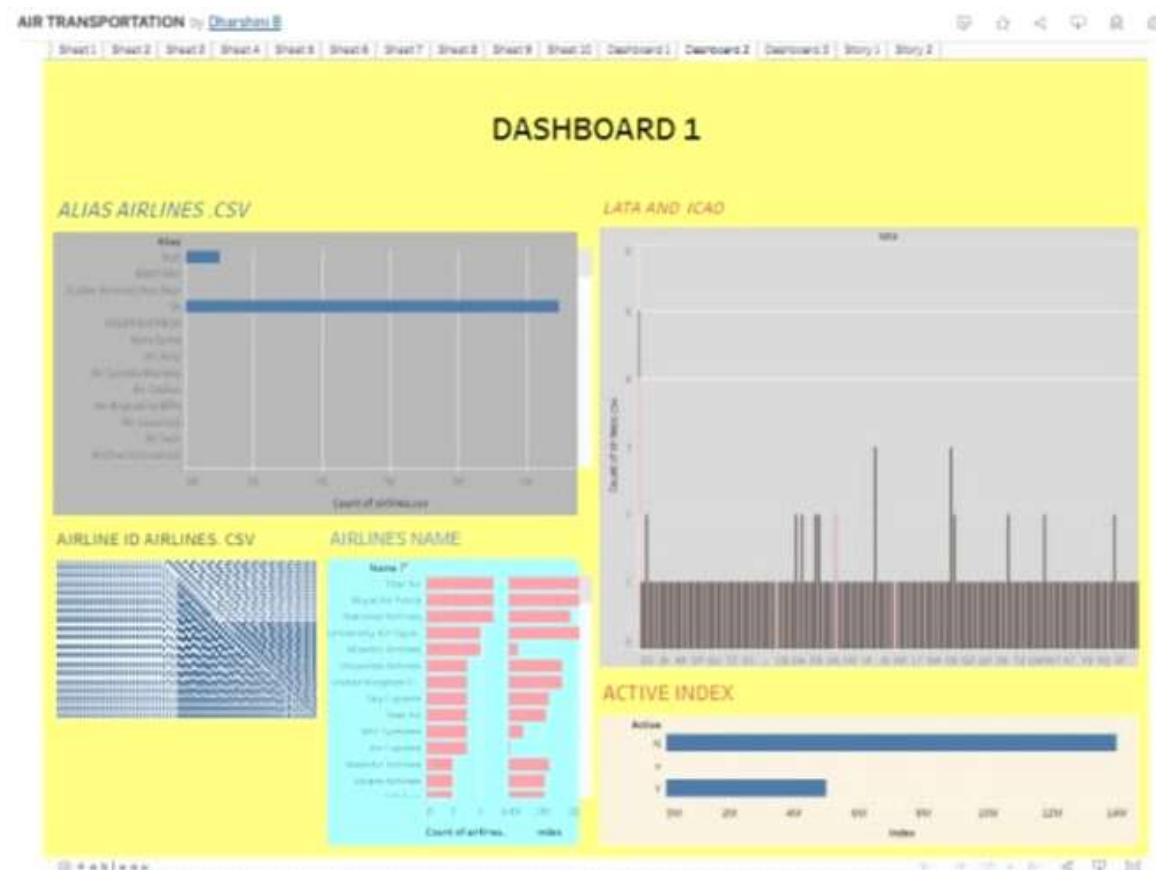


2.2 IDEATION & BRAINSTORMING MAP



3.RESULT

DASHBOARD 1



DASHBOARD 2

your freight. High standard of security. Natural route. Bulky freight and large groups of people may be carried quickly and anywhere globally using air transportation.

Cost of operating airlines is very high and so freight cost is very high as compared to sea transport. It is difficult to carry bulky, awkwardly shaped goods. Very risky in case of accident. Air transport is prone to accidents as a small mistake can be very dangerous to passengers. Air transport is unreliable as it depends on the weather forecast. Normally if weather is not certain the flight may get delayed.

5.APPLICATIONS

Air transport is considered as an important means of transport in the North-Eastern part of our country because presence of big rivers like Brahmaputra make it difficult to construct roads and railways. Airways are suitable when rivers get flooded. Dense forest hampers the construction of roadways and railways. Most companies use air transport to market goods and products internationally or to deliver samples and documents related to foreign trade operations.

6.CONCLUSION

The air transport industry is not only a vital engine of global socio-economic growth but is also of vital importance as a catalyst for economic development in most countries and for many regions within each country. Air freight is a fast, flexible, and efficient shipping method that provides businesses with numerous benefits, including speed, flexibility, efficiency, and reduced risk of damage or loss.

7.FUTURE SCOPE

Emerging technologies are reshaping with robotics artificial intelligence, the Internet of Things, unmanned aircraft systems and the push for hybrid and electric airplanes - just to name a few. By 2030, the expectation is that the integration of new technologies will enable airports to deliver passengers customized, on-demand services to improve their airport experience.

8.APPENDIX

A.SOURCE CODE

DATA LINK :

<https://www.google.com/url?q=https://drive.google.com/drive/folders/1ne7iXfuOn5xwEML1BLaELpDUxMvVFh6B?usp%3Dsharing&sa=D&source=editors&ust=1697004126303024&usg=AOvVaw1WNyQz6UXLFnpSwFSebPOuHBOARD>

DASHBOARD LINK:

DASHBOARD 1

https://public.tableau.com/views/Airtransportation1/Dashboard2?:language=en-US&publish=yes&:display_count=n&:origin=viz_share_link

DASHBOARD 2

https://public.tableau.com/views/Airtransportation2/Dashboard3?:language=en-US&publish=yes&:display_count=n&:origin=viz_share_link

STORY LINK :

https://public.tableau.com/views/Airtransportation1/Story1?:language=en-US&:display_count=n&:origin=viz_share_link

