

REPORT ON, “Unlocking Insights into the Global Air Transportation Network with Tableau.”

INTRODUCTION

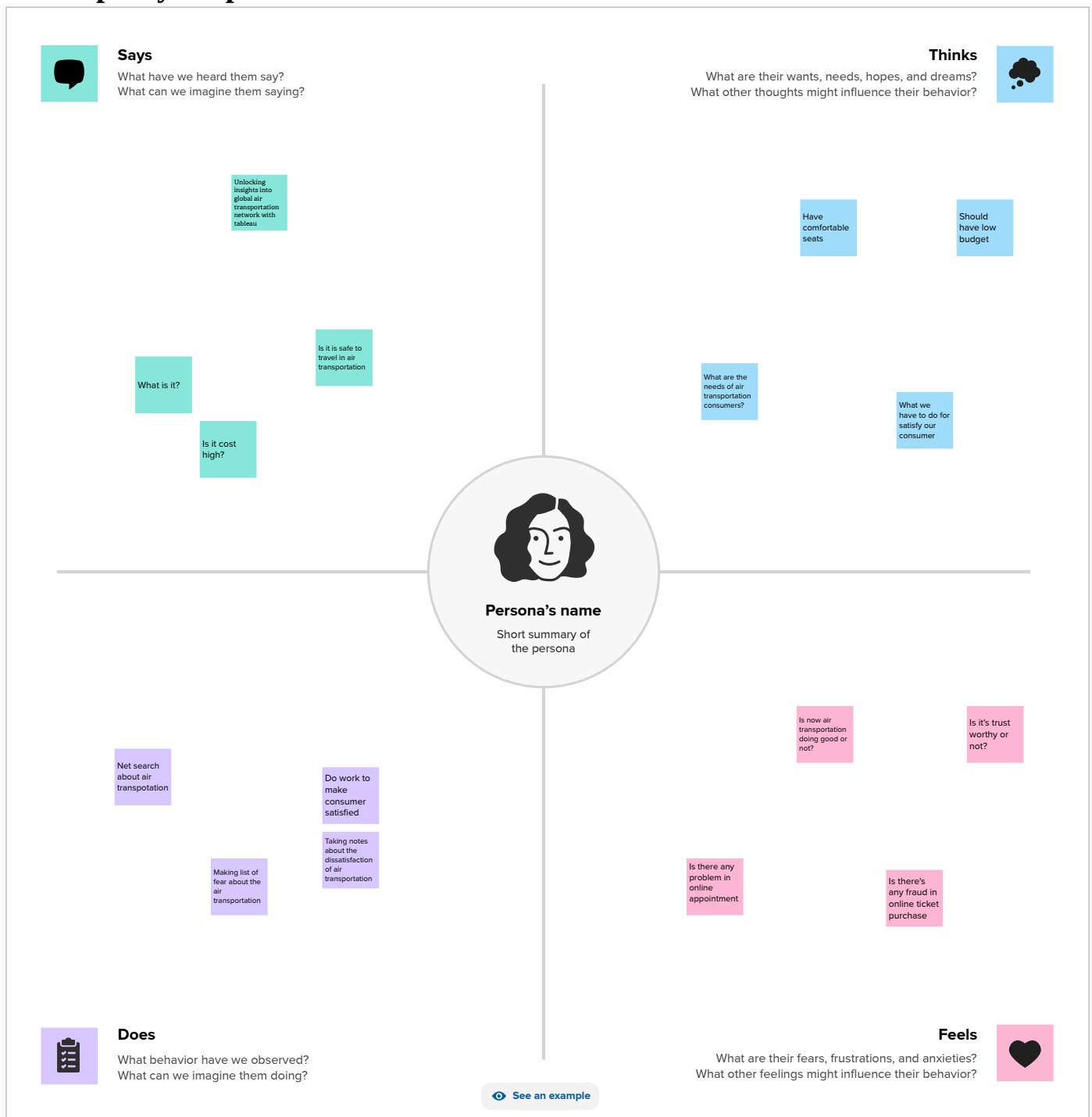
A literature survey for Global Air Transportation Network involves reviewing academic articles, books, and other sources related to the aviation industry including statistical, economic, financial models. It also discusses various factors that affect the flight delay, flight route etc. The survey can provide a comprehensive understanding of the significance, challenges, and opportunities associated with the aviation industry.

Purpose


Socially, the dataset can contribute to the development of air transportation networks that are more efficient, safe, and environmentally sustainable. By providing stakeholders with a comprehensive understanding of the air transportation network, the dataset can help to optimize routes and reduce congestion in the air, leading to improved air quality and reduced carbon emissions. This can contribute to the overall well-being of communities around the world, by making air travel more accessible, affordable, and eco-friendly.

From a business perspective, the dataset can have a significant impact on the aviation industry. By enabling stakeholders to make data-driven decisions, the dataset can help airlines, airport authorities, tourism boards, and government agencies to identify new business opportunities, optimize capacity planning, and streamline operations. This can lead to increased profitability and competitiveness, as well as improved customer experience.

2.1 Empathy Map



2.2 Ideation & Brainstorming Map



Brainstorm & Idea prioritization

Use this template in your next brainstorming session to give your team an unbiased view of their ideas and to help them choose the best ones to pursue.

- Brainstorming session
- Idea prioritization
- Idea selection

Before you collaborate

1. Write down all the ideas that come to mind, no matter how silly or outrageous they seem. The more ideas, the better.

- Brainstorming session
- Idea prioritization
- Idea selection

Define your problem statement

What problem are you trying to solve? Frame your problem as a challenge for your team. The more specific, the better.

Problem

Key issues and challenges

- Brainstorming session
- Idea prioritization
- Idea selection

Brainstorm

Write down any ideas that come to mind, no matter how silly or outrageous they seem. The more ideas, the better.

Round 1

Round 2

Round 3

Round 4

- Brainstorming session
- Idea prioritization
- Idea selection

Group ideas

Take your ideas and group them into clusters. This will help you see the big picture and identify the most important ideas.

Group 1

Group 2

Group 3

Group 4

- Brainstorming session
- Idea prioritization
- Idea selection

Prioritize

Rank your ideas based on their potential impact and feasibility. This will help you choose the best ideas to pursue.

High impact, low feasibility

High impact, high feasibility

Low impact, low feasibility




Low impact, high feasibility




- Brainstorming session
- Idea prioritization
- Idea selection




After you collaborate





Use this template to track the progress of your ideas and to help you choose the best ones to pursue.

- Brainstorming session
- Idea prioritization
- Idea selection









RESULT

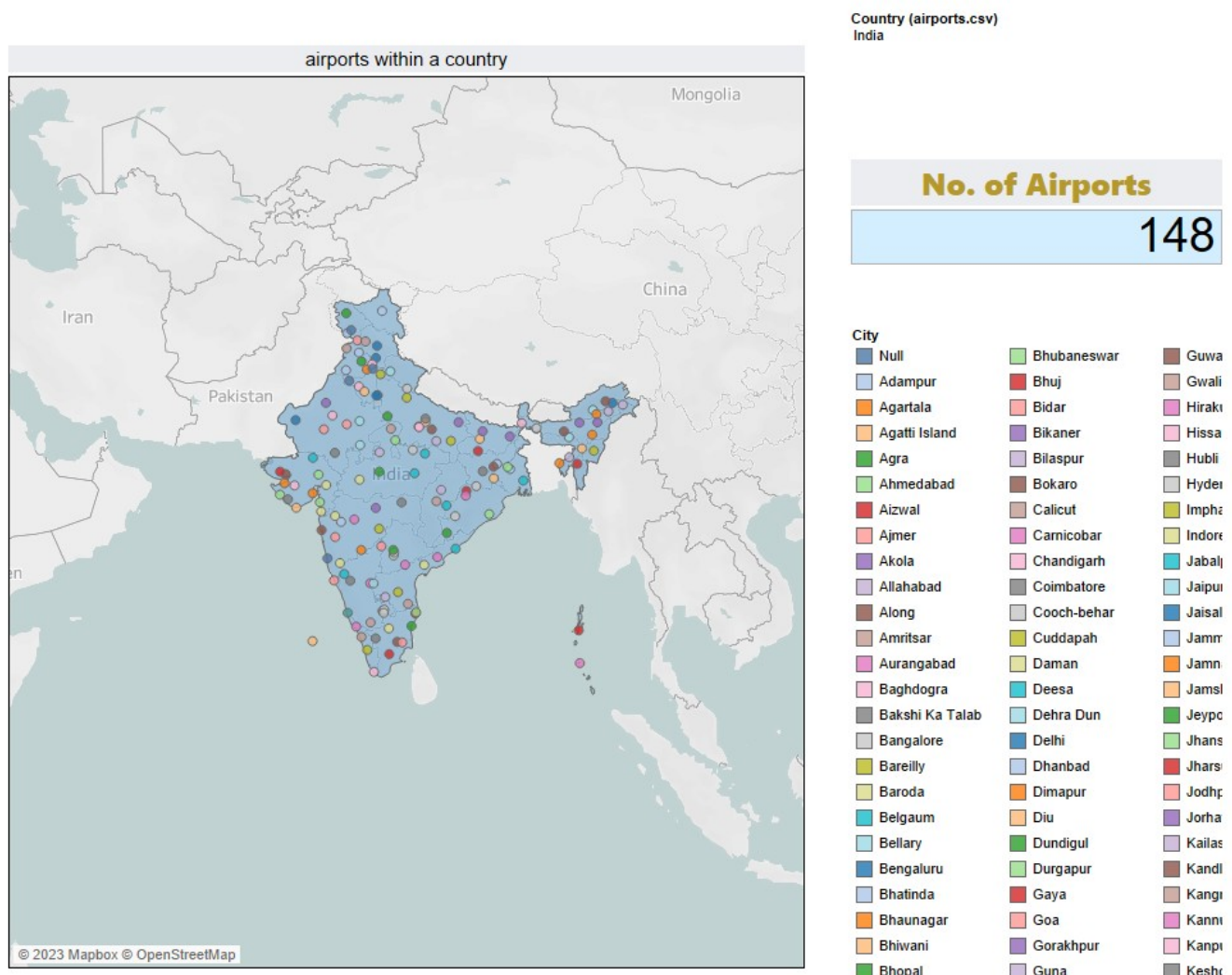
Story 1

World Map Showing Countries with details of Airports.

Table showing Airports which are at Highest Altitude in th..

Table showing List of All Airlines within the country.

Bar Graphs showing Countries with Max No. of Airports & No. ...



The air travel is well studied and analysed and needs to be further tuned. Better air pathways need to be created to handle the ever growing populations ever growing needs

ADVANTAGES & DISADVANTAGES

Advantages are that we will have a better and faster and reliable transportation mechanism.

And a major disadvantage is that we are making air travel cheaper and affordable which would cause more pollution destroying nature.

APPLICATIONS

Tableau can be used to analyse many data and a powerful tool.

CONCLUSION

we were able to study and analyse the project with the help of tableau and got good results and visualisations.

FUTURE SCOPE

Although tableau is a good software it is not free and we complete using only free trial and not easy to get student licence. There is not much future scope of tableau as better open source alternatives are available for free and better features.