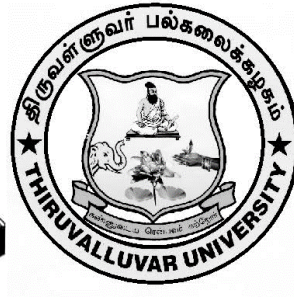


A PROJECT REPORT

ON

THE GLOBAL AIR

TRANSPORTATION NETWORK



SESSION:2021 TO 2024

DEPARTMENT OF B.SC MATHEMATICS
MMES WOMEN'S ARTS AND SCIENCE COLLEGE.
HAKEEM NAGAR, MELVISHARAM.

Submitted To;
Yogambigai
Head of the Department

Submitted by:
Sowmiya(34621U25011)
Meena(34621U25009)
Nandhini(34621U25011)
Kaviya(34621U25007)

TOPICS

1 INTRODUCTION

**2 PROBLEM DEFINITION & DESIGN
THINKING**

3 RESULT

4 ADVANTAGES & DISADVANTAGES

5 APPLICATIONS

6 CONCLUSION

7 FUTURE SCOPE

8 APPENDIX

INTRODUCTION

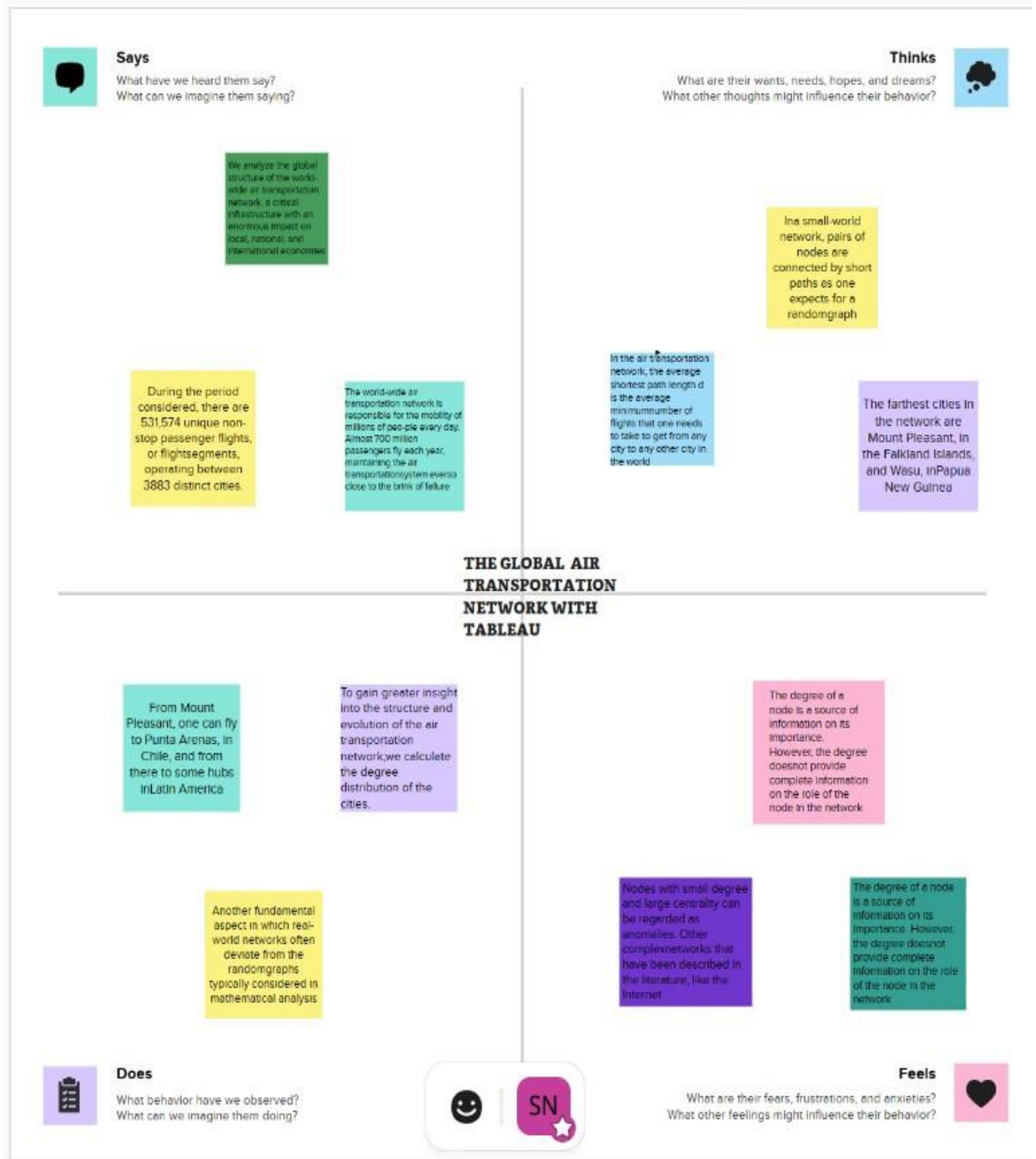
- This Global Air Transportation Network dataset is a comprehensive collection of information on airports, airlines and their routes.
- It contains information such as names, cities, countries, codes (IATA and ICAO) longitudes, latitudes and altitudes of airports across the world with detailed time zone and daylight saving time data.

PURPOSE

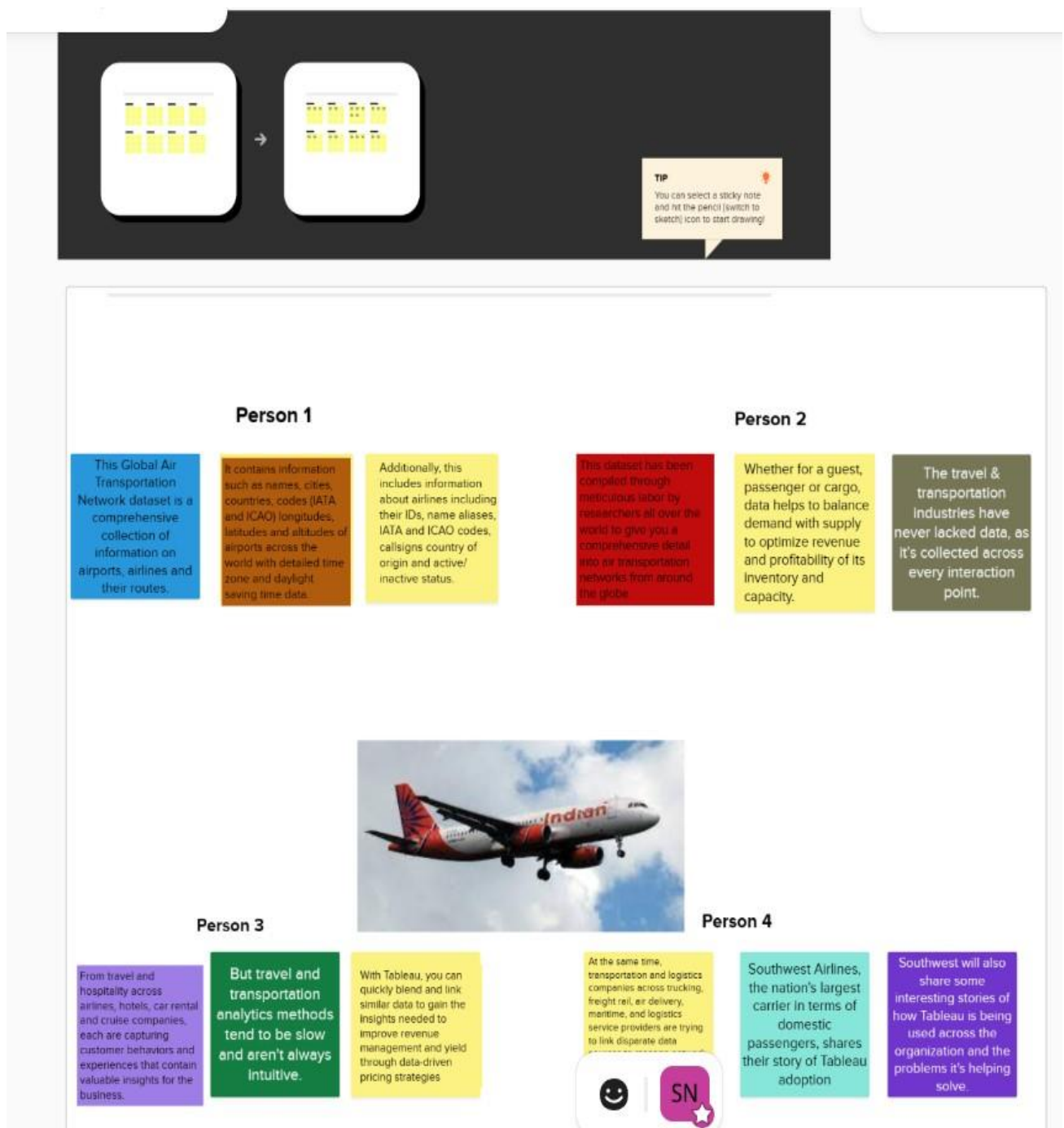
The importance of air transport lies in its ability as an economic engine to generate and support jobs, strengthen trade and connectivity between people and countries, promote tourism, and connect remote communities. It generates economic growth, creates jobs, and facilitates international trade and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



2.1 EMPATHY MAP



2.2 IDEATION & BRAINSTORMING MAP



[illegible]

ADVANTAGES:-

- Global Reach
- Reliable Timelines
- Reduced Inventory Holding Costs
- Enhanced Security
- The supreme advantage of air transport lies in its quickness



DISADVANTAGE

- Higher Cost
- Limited Capacity
- Air transfer on Hazardous Goods
- It is the fastest mode of transport
- But the cost of its operation is very high and thus it is suitable for only rich passengers

APPLICATION

The Areas Where This Solution Can
Be Applied.



CONCLUSION

- The airways transportation network is an essential part of modern life, connecting people, cultures, and economies.
- While it faces challenges related to sustainability and accessibility, it also has a remarkable capacity for innovation and adaptability.
- As the world continues to change, the air transportation industry will remain a critical driver of global connectivity and economic growth.
- It is essential to balance its benefits with its environmental responsibilities and ensure that it serves the needs of all members of society.

FUTURE SCOPE

- Tableau's future is promising, with a focus on AI, cloud, data governance, and enhanced user experiences.
- It will continue to evolve to meet the ever-growing demands of businesses and data analysts while making data analytics more accessible and impactful.

APPENDIX

- The ICAO's activities have included establishing.
- Reviewing international technical standards for aircraft.
- Operation and design, crash investigation, the licensing of personnel, telecommunications, meteorology, air navigation equipment, ground facilities for air transport, and search and rescue missions.

THANK YOU