Unlocking insights into the global Air Transportation Network with Tableau.

1.INTRODUCTION

1.1 OVERVIEW

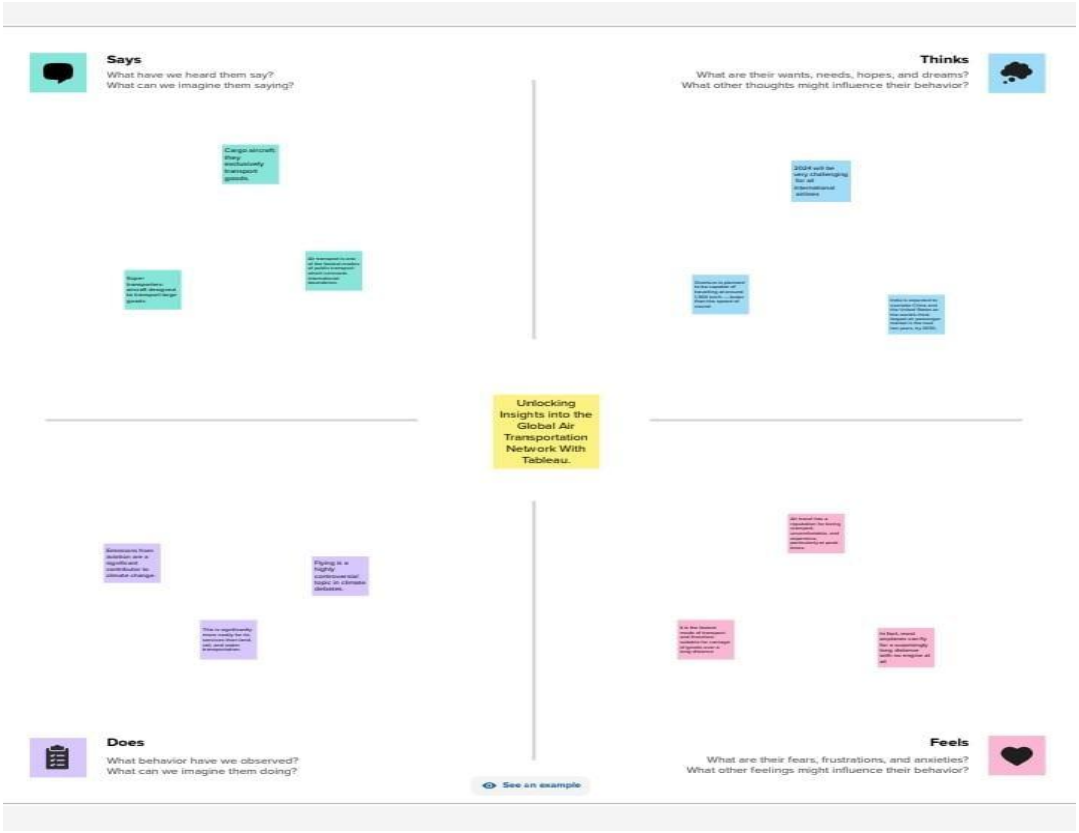
This Global Air Transportation Network dataset is a comprehensive collection of information on airports, airlines and their routes. It contains information such as names, cities, countries, codes (IATA and ICAO) longitudes, latitudes and altitudes of airports across the world with detailed time zone and daylight saving time data. Additionally, this includes information about airlines including their IDs, name aliases, IATA and ICAO codes, callsigns country of origin and active/inactive status. Similarly, it also covers route details such as airline sources to destination airports along with essential details like codeshare stakeholder if any stops required during this journey along with the type of aircraft being used for that particular journey. This dataset has been compiled through meticulous labor by researchers all over the world to give you a comprehensive detail into air transportation networks from around the globe.

1.2 purpose

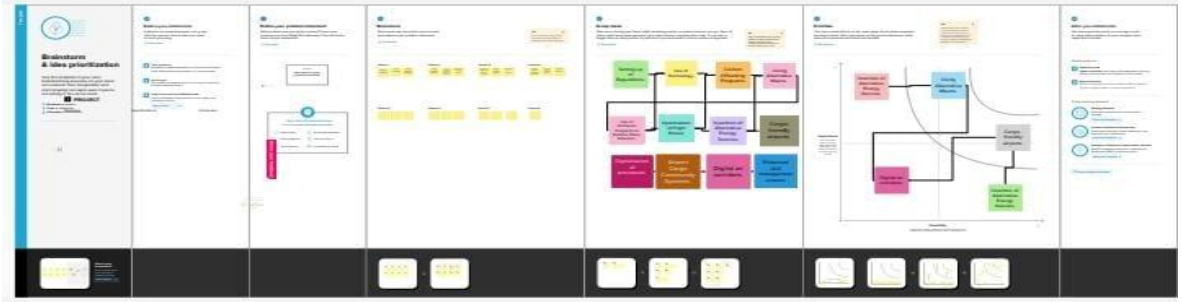
Air transport is one of the fastest modes of public transport which connects international boundaries. Air transport allows people from different countries to cross international boundaries and travel other countries for personal business, medical,and tourism purposes.

2. problem definition and design thinking :

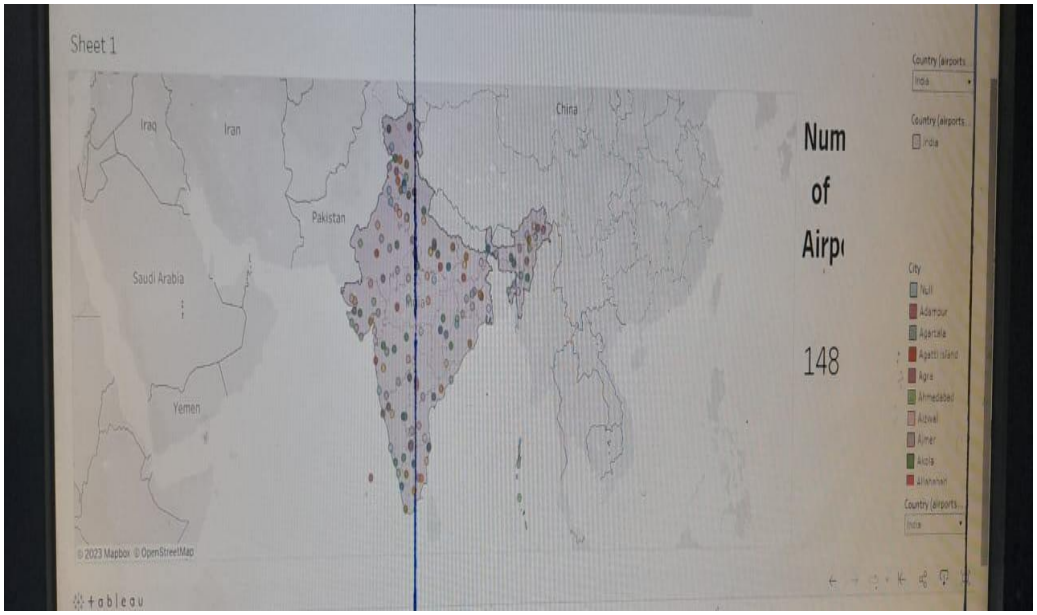
2.1 EMPATHY MAP:



2.2 IDEATION & BRAINSTORMING MAP:



3. RESULT:


Sheet 1
Iraq
Iran
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Num
of
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148
Country (airports...
India
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Adampur
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Airports at Higher Within a Country
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Ust-Kamenogorsk Airport
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Airports at Highest Altitude in World
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Yushu Batang Airport
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ZYLS
Capitan Nicolas Rojas Airport
Potosi
SLPO
El Alto International
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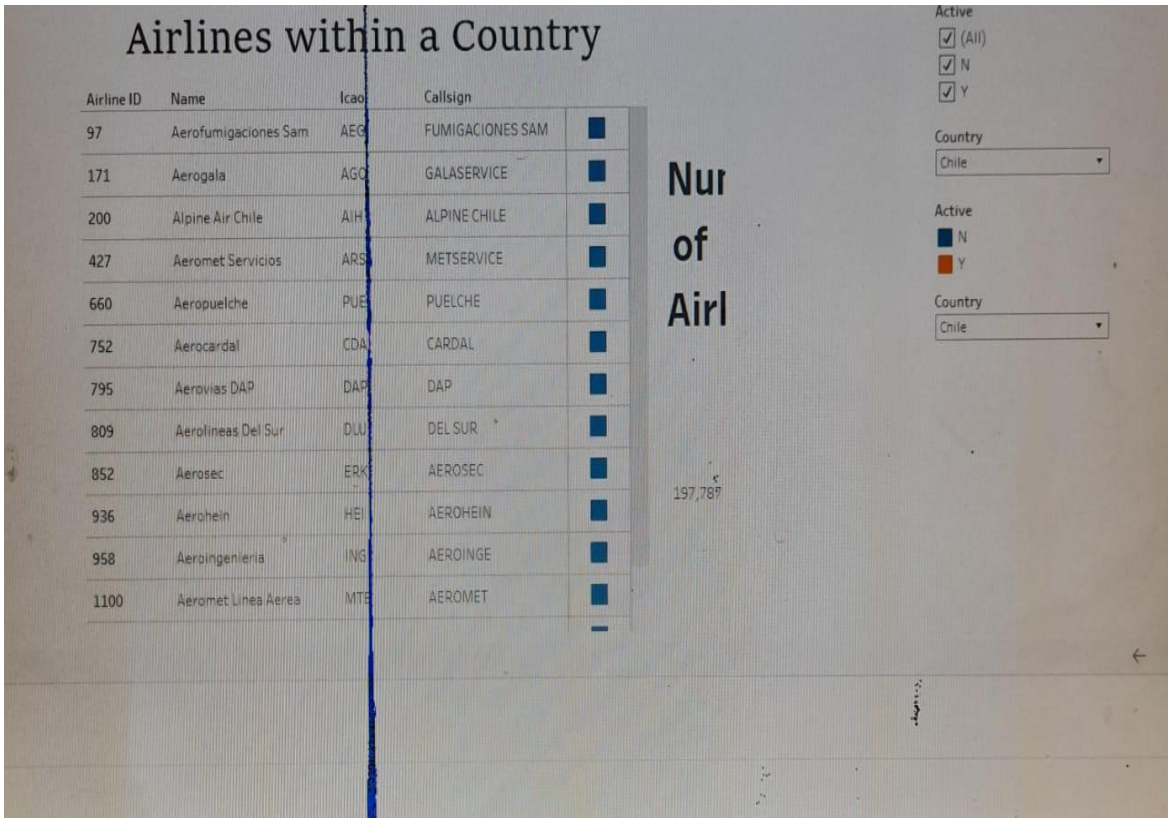
Airlines within a Country
Airline ID
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97
Aerofumigaciones Sam
AEG
FUMIGACIONES SAM
171
Aerogala
AGO
GALASERVICE
200
Alpine Air Chile
AIH
ALPINE CHILE
427
Aeromet Servicios
ARS
METSERVICE
660
Aeropuelche
PUE
PUELCHE
752
Aerocardal
CDA
CARDAL
795
Aerovias DAP
DAP
DAP
809
Aerolineas Del Sur
DLU
DEL SUR
852
Aerosec
ERK
AEROSEC
936
Aerohein
HEI
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958
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4.ADVANTAGES AND DISADVANTAGES

ADVANTAGES:

1.High speed

2.Fast service

3.Send almost everywhere your freight

4.High standard of security

5.Natural route

6.There is less needed for heavy packing

DISADVANTAGES:

1.Risky

2.Cost

3.Some product limitation

4.Capacity of small carriage

5.Enormous investment

5. APPLICATION:

Modeling air transportation networks aims airline companies to organize their routes in a cost efficient way and therefore maximize their profits. Air transport networks models are also the tool to investigate system robustness of the system in case of various kinds of distruptions.

6.CONCLUSION:

As the industry countinues to evolve, IATA will remain an important player in shaping the future of air transport. In conclusion,

the international air transport association has been instrumental in developing and improving the air transport industry.

7. FUTURE SCOPE:

The industry has a number of domestic and international airlines, as well as large network of airports. The future of the aviation industry in India is likely to see continued growth and expansion, driven by factors such as a growing middle class, increased tourism.And government policies supporting the industry.

APPENDICES:

https://public.tableau.com/app/profile/sumithra.a8834/viz/story2_16971154302360/Story1