



THANTHAI PERIYAR GOVERNMENT ARTS AND SCIENCE COLLEGE TRICHY-23

DEPARTMENT: PG Research Department Of Mathematics

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3. SIVAKUMAR. S

TITTLE NAME: Unlocking Insights Into The Global Air transportation Network With Tableau.

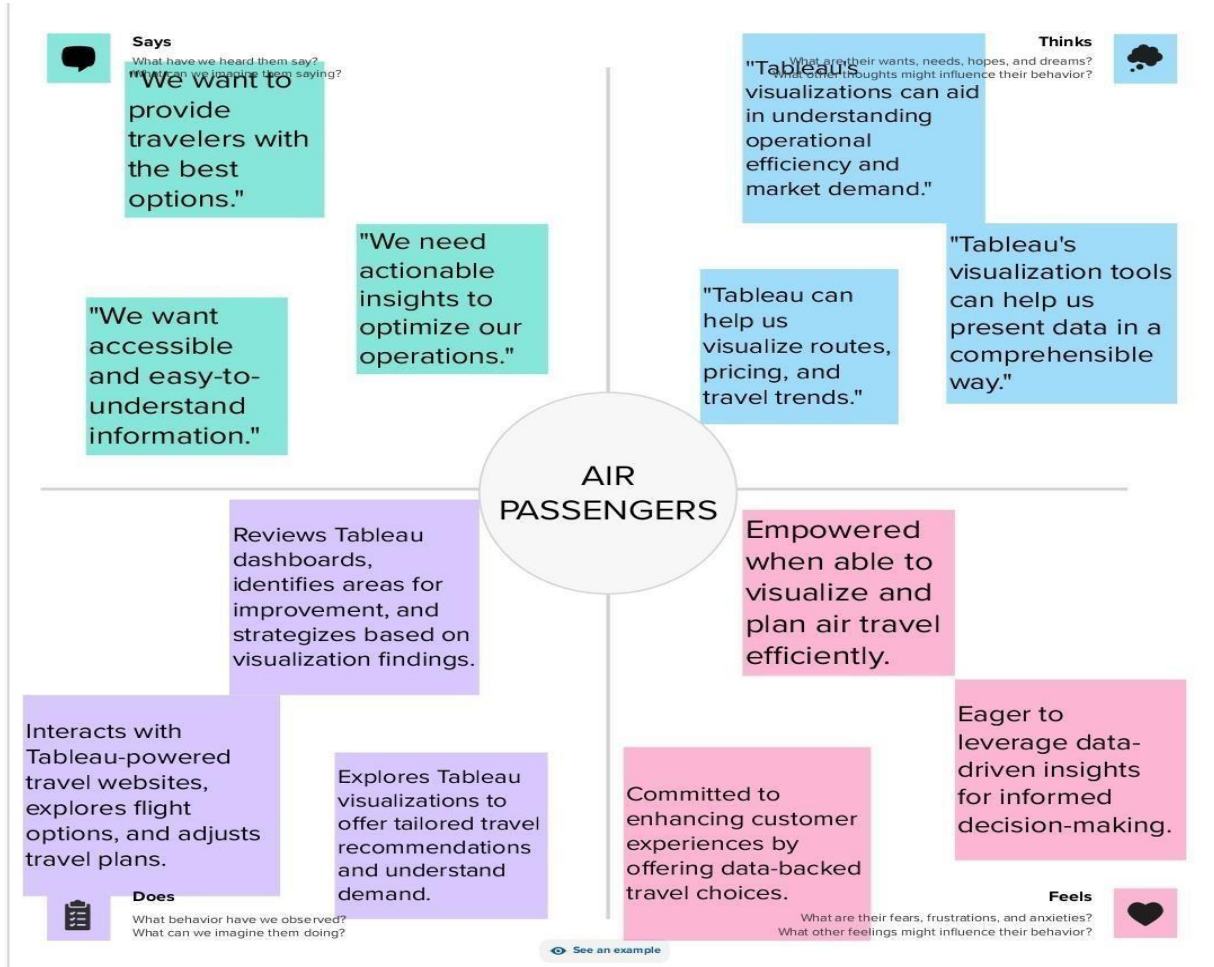
1.INTRODUCTION :

1.1 OVERVIEW : Global air transportation plays a pivotal role in connecting people, goods, and ideas across the world. It is a critical component of the modern global economy, facilitating international trade, tourism, and cultural exchange. The industry encompasses a vast network of airlines, airports, and supporting infrastructure, continuously evolving to meet the demands of a growing and interconnected world. However, it also faces challenges related to environmental sustainability, safety, and the impact of global events, which require ongoing innovation and cooperation among governments, organizations, and industry stakeholders to ensure its continued growth and resilience.

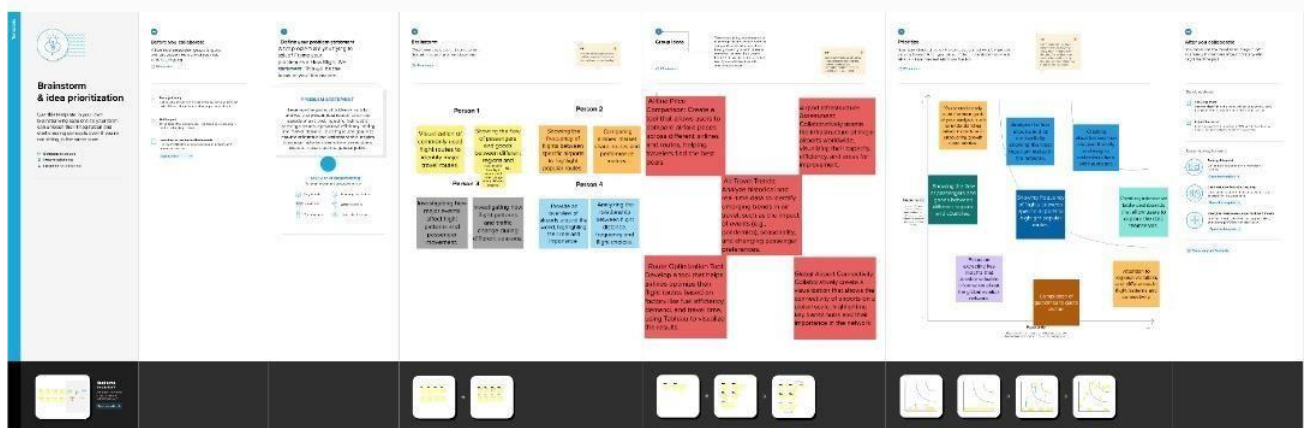
1.2 PURPOSE : The purpose of global air transportation is to facilitate the efficient movement of people, goods, and information on a worldwide scale. It serves as a crucial catalyst for economic growth by connecting businesses, enabling international trade, and fostering tourism, ultimately contributing to global prosperity. Moreover, air transportation plays a vital role in emergency response, humanitarian aid, and disaster relief efforts, providing rapid access to regions in need. Additionally, it fosters cultural exchange and international understanding, promoting a more interconnected and interdependent global community. In essence, the primary purpose of global air transportation is to bridge geographical distances, drive economic activity, and enhance global connectivity.

2. IDEATION & BRAINSTORMING MAP

2.1 EMPATHY MAP

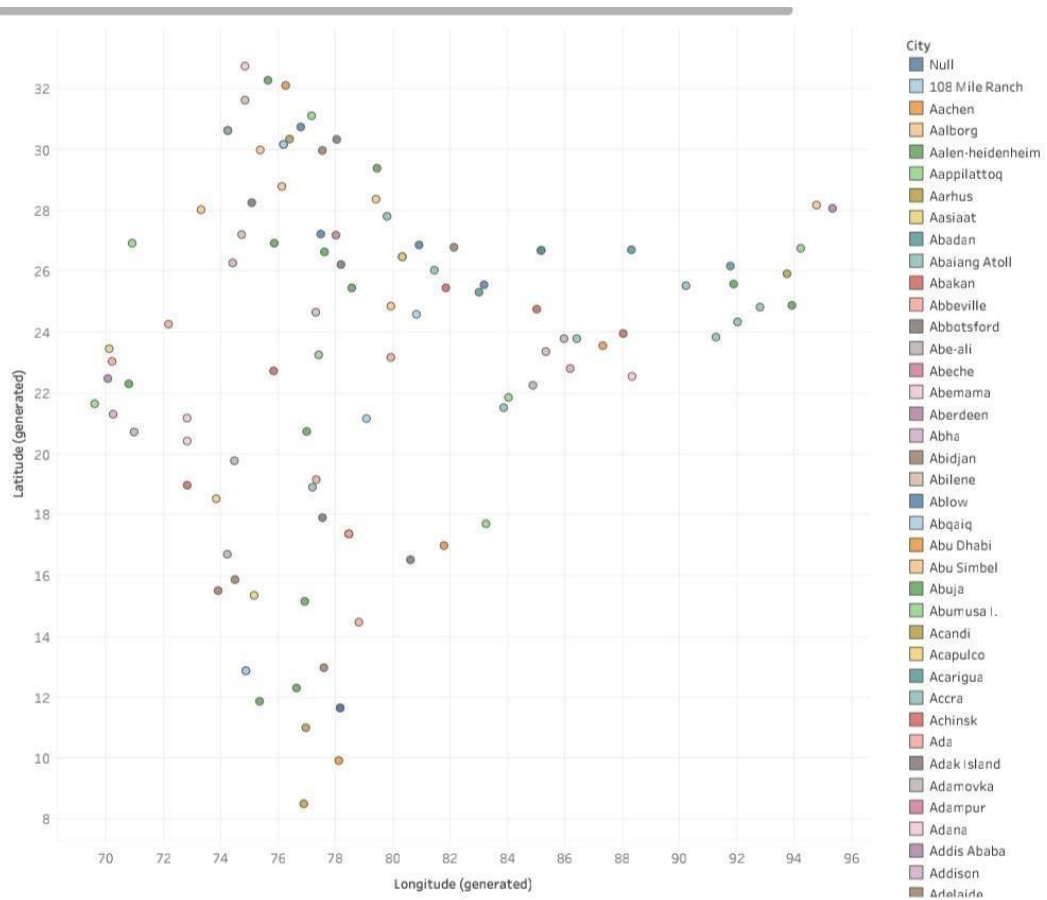


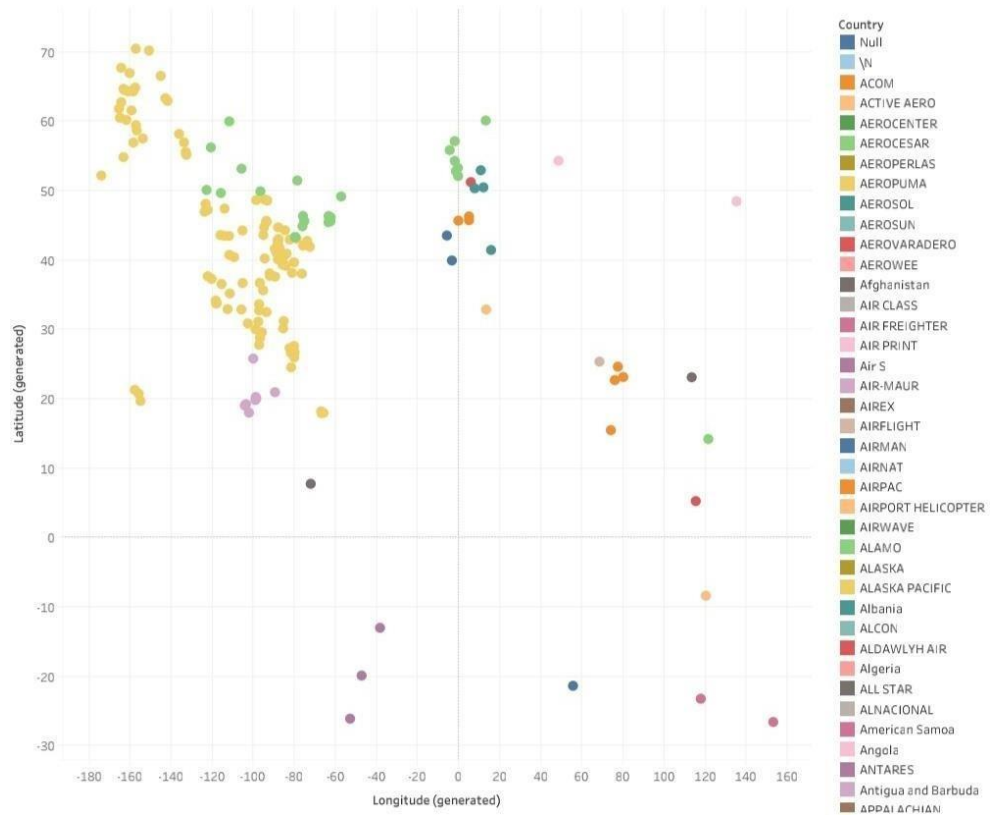
2.2 IDEATION & BRAINSTORMING MAP

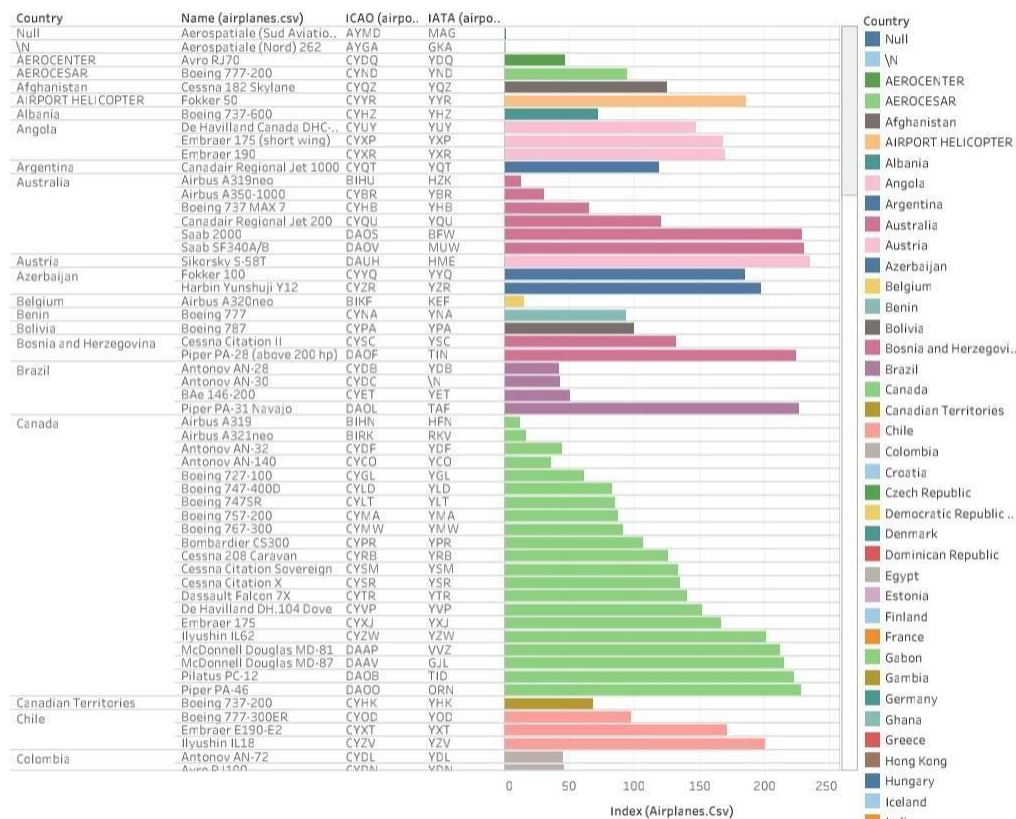


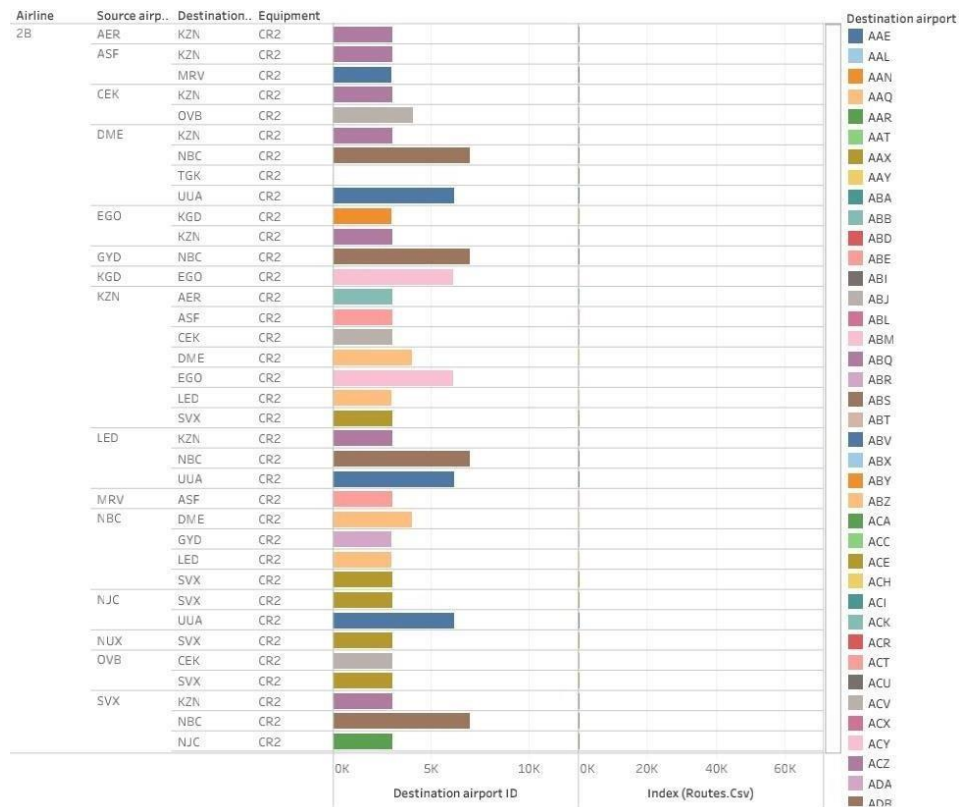
3. RESULT

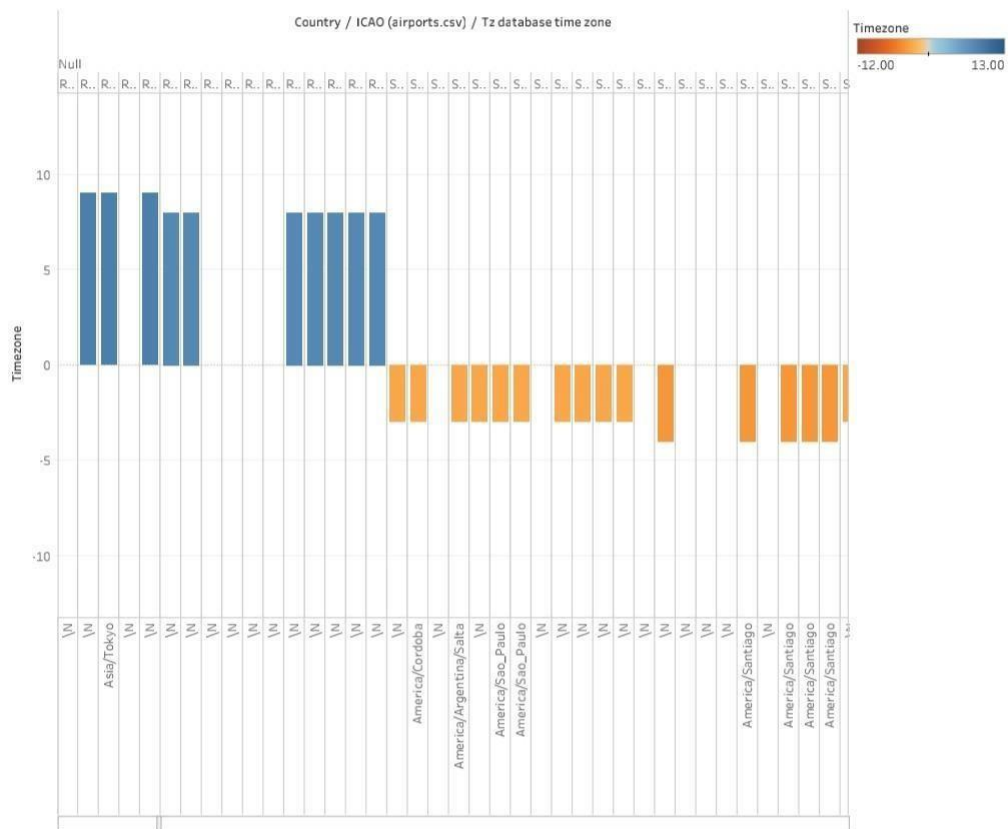
3.1 STORY





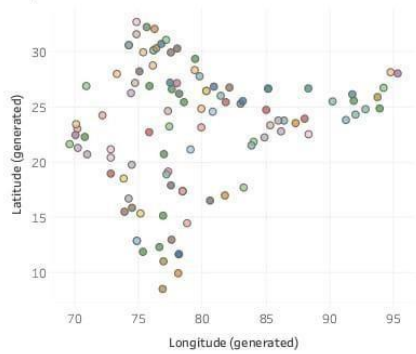




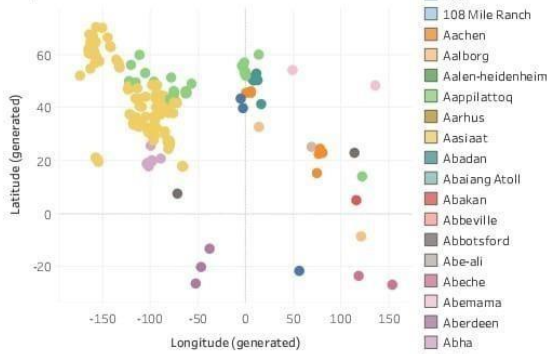


DASHBOARD 1

Airport Cities in India

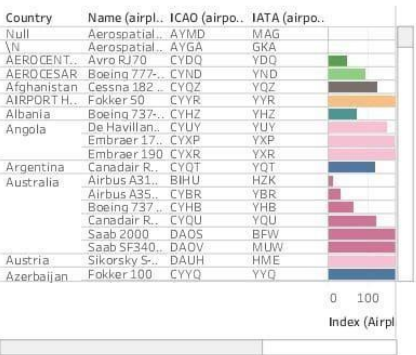


Airpoort Cities in World



- City
- Null
 - 108 Mile Ranch
 - Aachen
 - Aalborg
 - Aalen-Heidenheim
 - Aappilattoq
 - Aarhus
 - Aasiaat
 - Abadan
 - Abaiang Atoll
 - Abakan
 - Abbeville
 - Abbotsford
 - Abe-ali
 - Abeche
 - Abemama
 - Aberdeen
 - Abha

Airplane & Airport ICAO, IATA Details

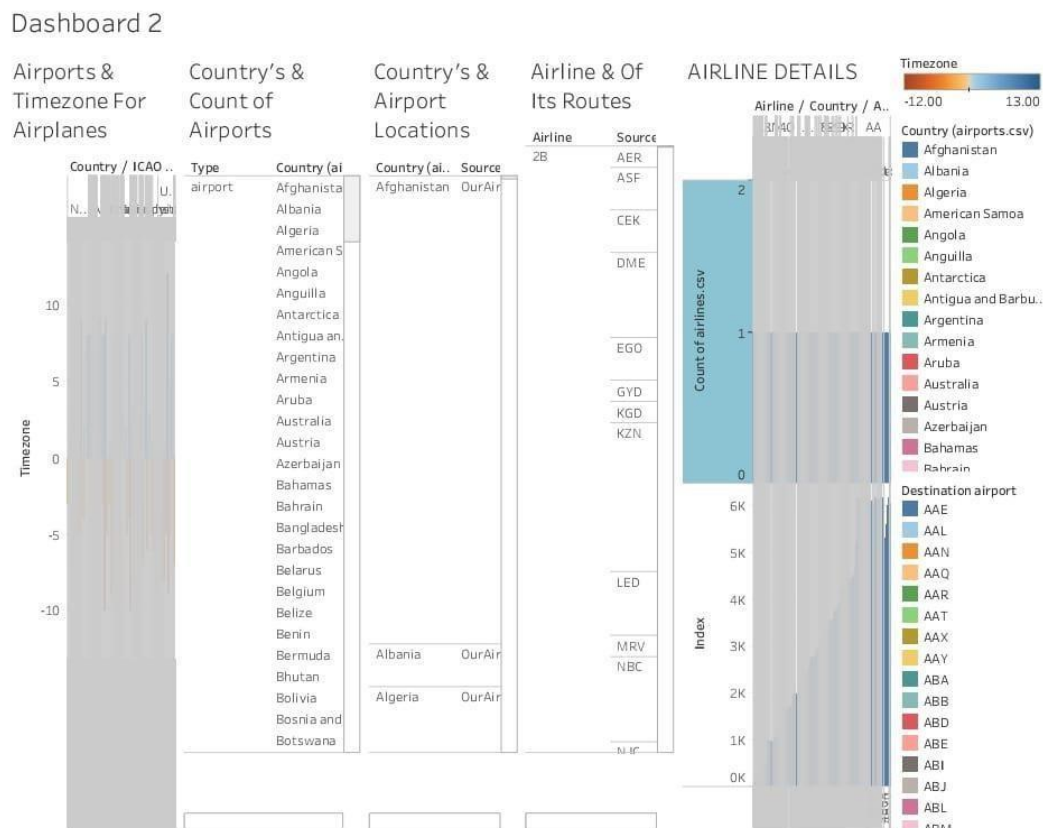


Country's & Airport Cities



- Country
- Null
 - VN
 - ACOM
 - ACTIVE AERO
 - AERO CENTER
 - AEROCESAR
 - AEROPERLAS
 - AEROPUMA
 - AEROSOL
 - AEROSUN
 - AEROVARADERO
 - AEROWEE
 - Afghanistan
 - AIR CLASS
 - AIR FREIGHTER
 - AIR PRINT
 - Air S
 - AIR-MAUR

DASHBOARD 2



Advantages and Disadvantages

With Tableau, we can quickly blend and link similar data to gain the insights needed to improve revenue management and yield through data-driven pricing strategies and visibility into real-time inventory—all the while driving lifetime customer loyalty.

Applications

The analysis will improve revenue management and provided operational insight for future forecasts. Leveraging Tableau, the companies can develop new products for airlines and travel agencies to solve business problems and improve operations in less time than before.

Conclusion

At the same time, transportation and logistics companies across trucking, freight rail, air delivery, maritime, and logistics service providers are trying to link disparate data sources to manage network and capacity planning as well as optimize routes for profitability.

Future Scope

Tableau can be used as a solution to house all of the data and serve as the primary reporting platform to provide "real-time reporting"