

**THANTHAI PERIYAR GOVERNMENT ARTS AND
SCIENCE COLLEGE
TRICHY-23**

DEPARTMENT OF MATHEMATICS

TEAM NO:14

NM ID: NM2023TMID02684

**PROJECT TITLE: UNLOCKING INSIGHTS
INTO THE GLOBAL AIR TRANSPORTATION
NETWORK WITH TABLEAU**

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UNLOCKING INSIGHTS INTO THE GLOBAL AIR TRANSPORTATION NETWORK WITH TABLEAU

1. INTROUCTION

1.1 Overview

Unlocking Insights into The Global Air Transportation Network With Tableau.

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.

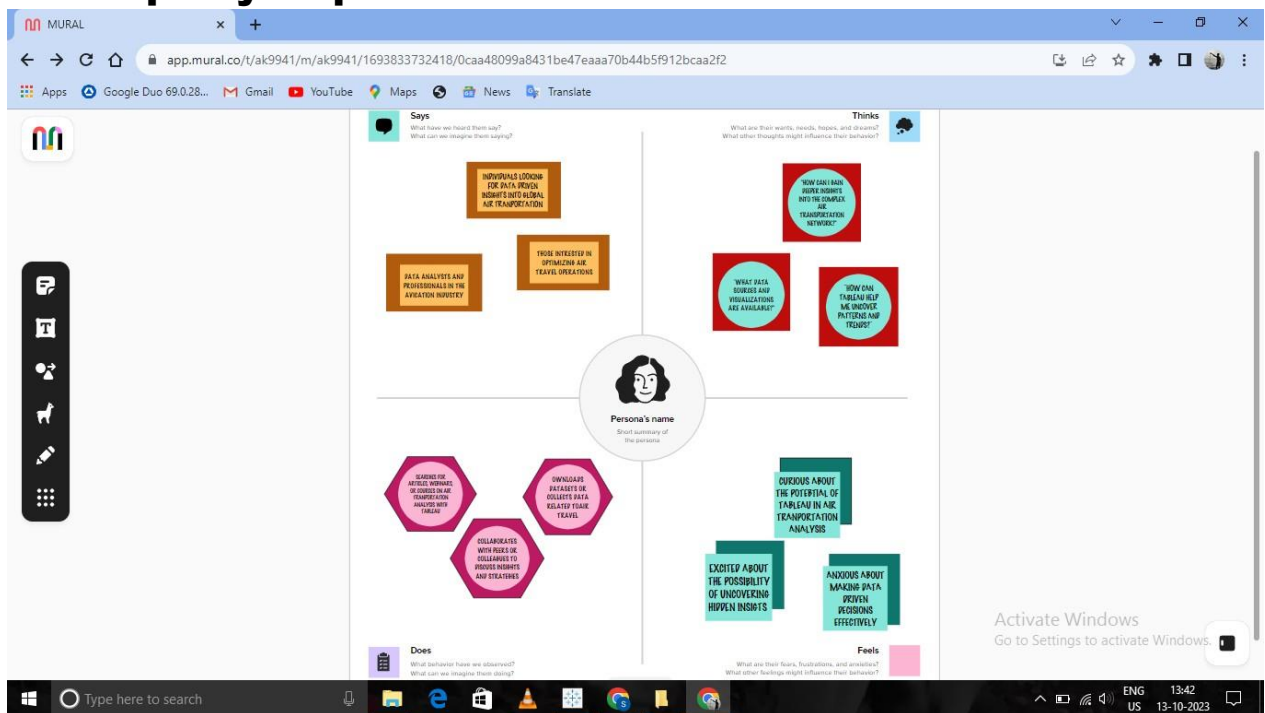
1.2 Purpose

Additionally, this includes information about airlines including their IDs, name aliases, IATA and ICAO codes, callsigns country of origin and active/inactive status.

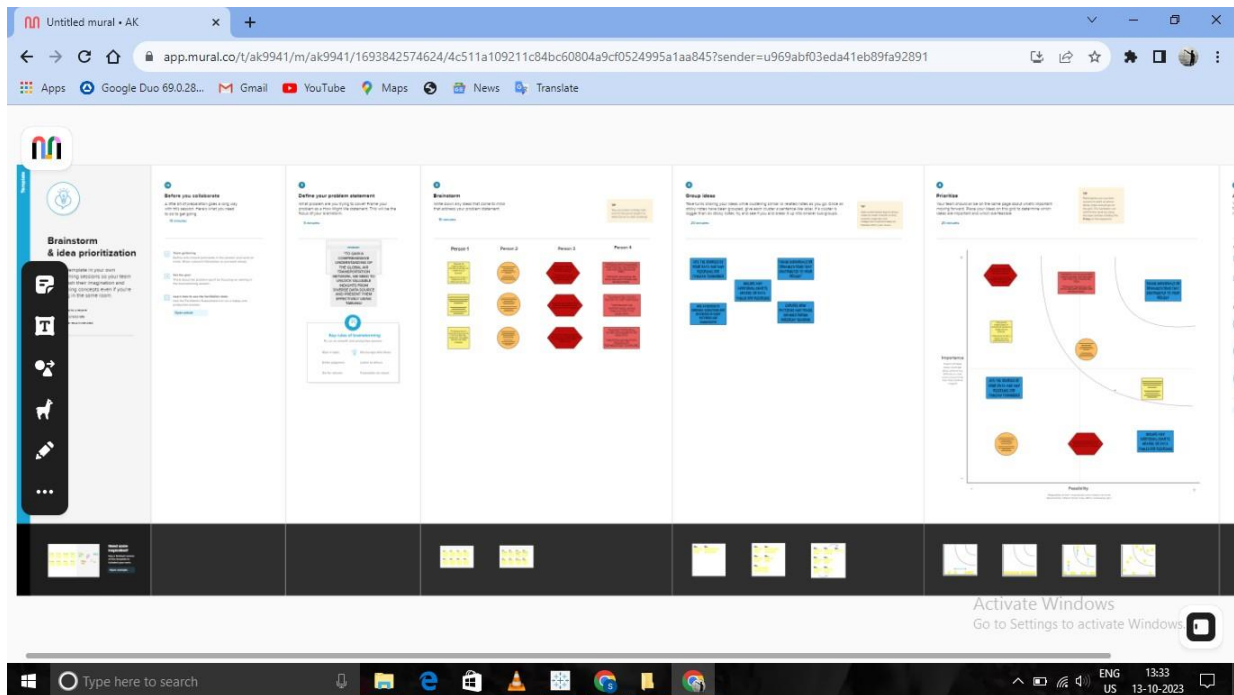
Similarly, it also covers route details such as airline sources to destination airports along with essential details like codeshare stakeholder if any stops required during this journey along with the type of aircraft being used for that particular journey. This dataset has been compiled through meticulous labor by researchers all over the world to give you a comprehensive detail into air transportation networks from around the globe.

2. Problem Definition & Design Thinking

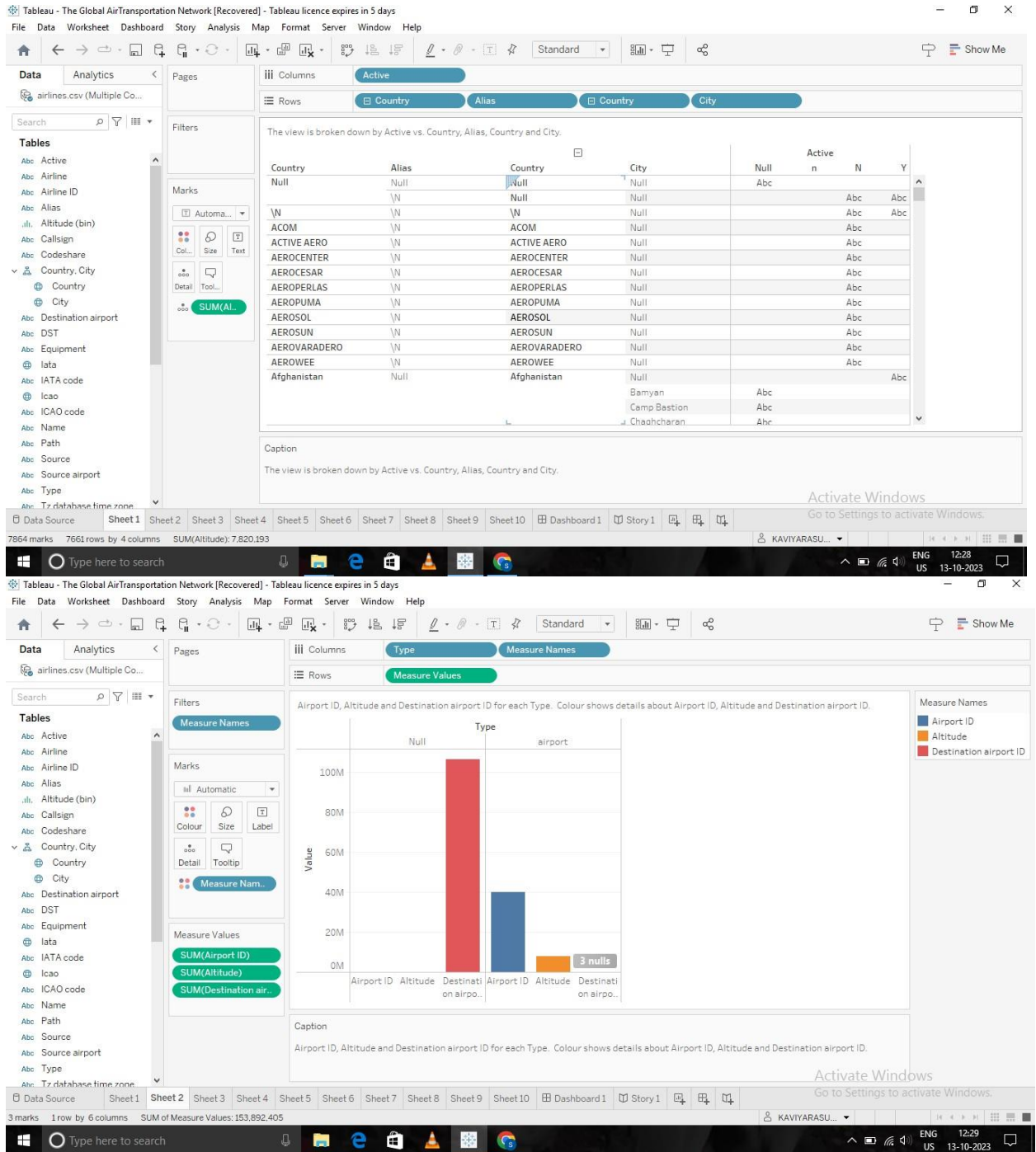
2.1 Empathy Map

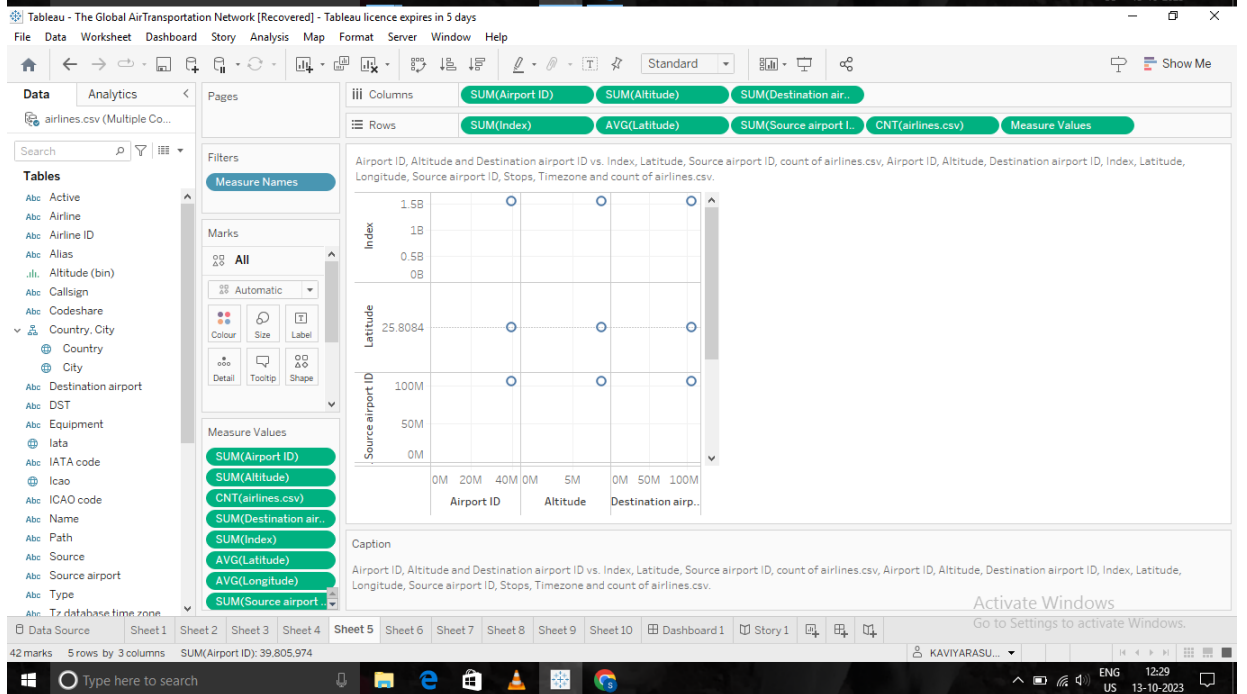
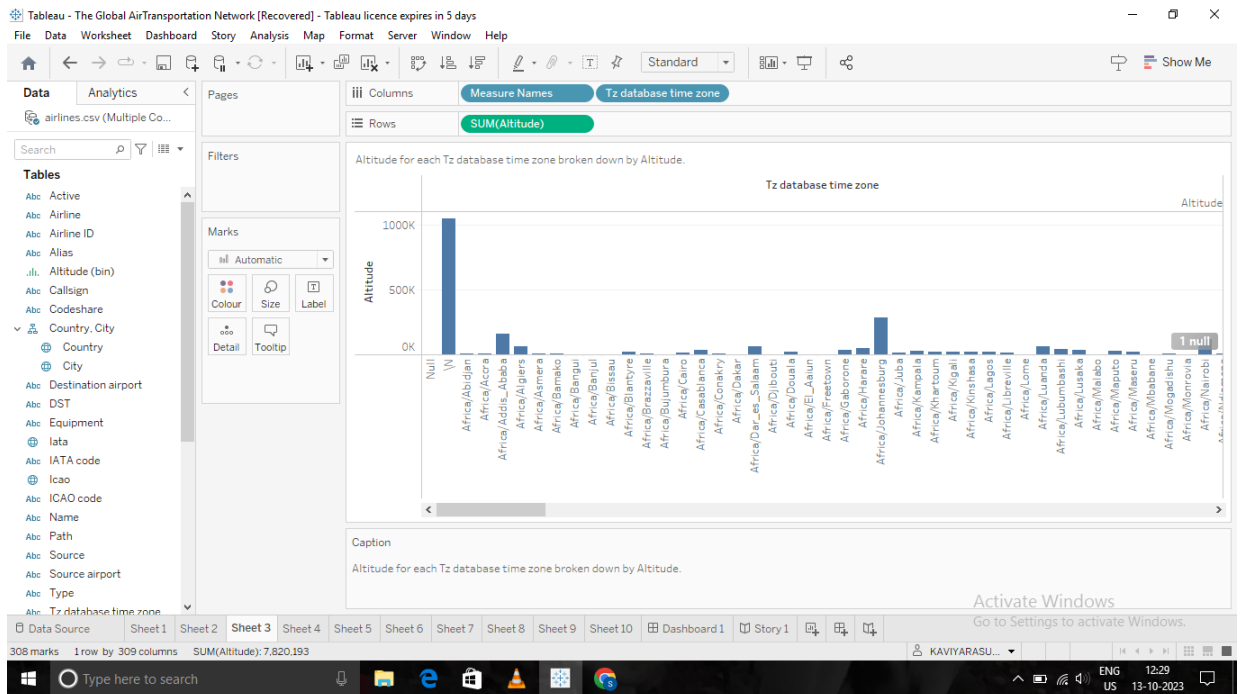


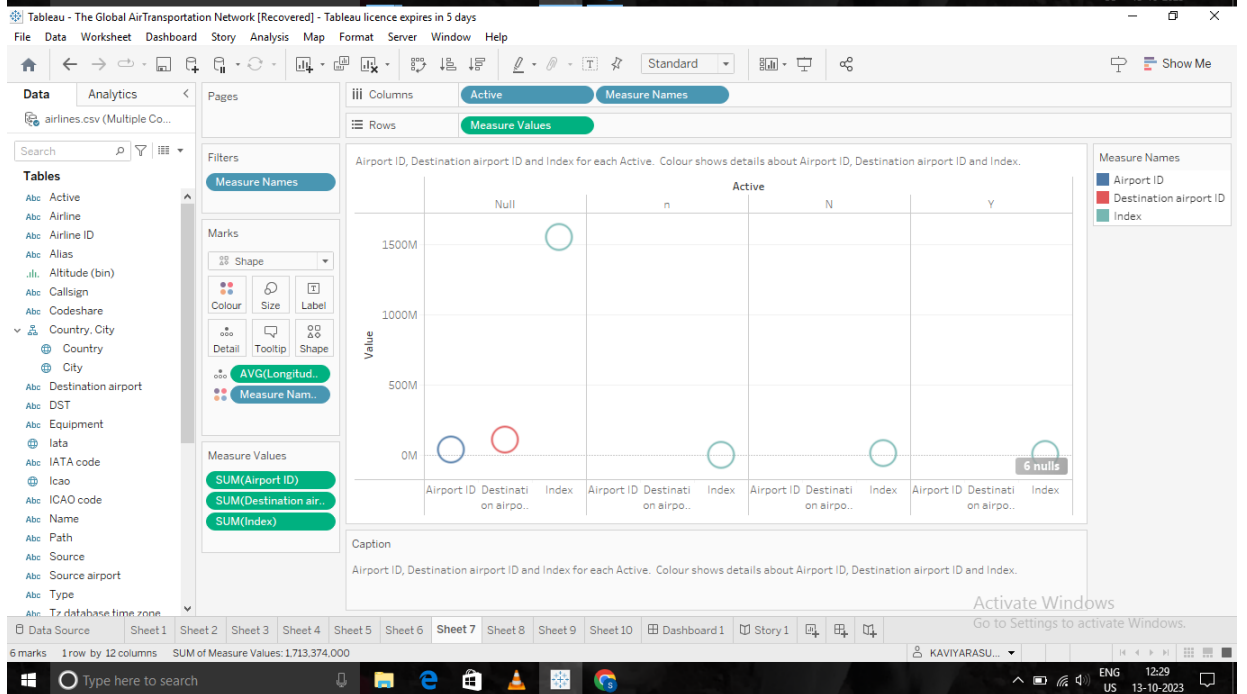
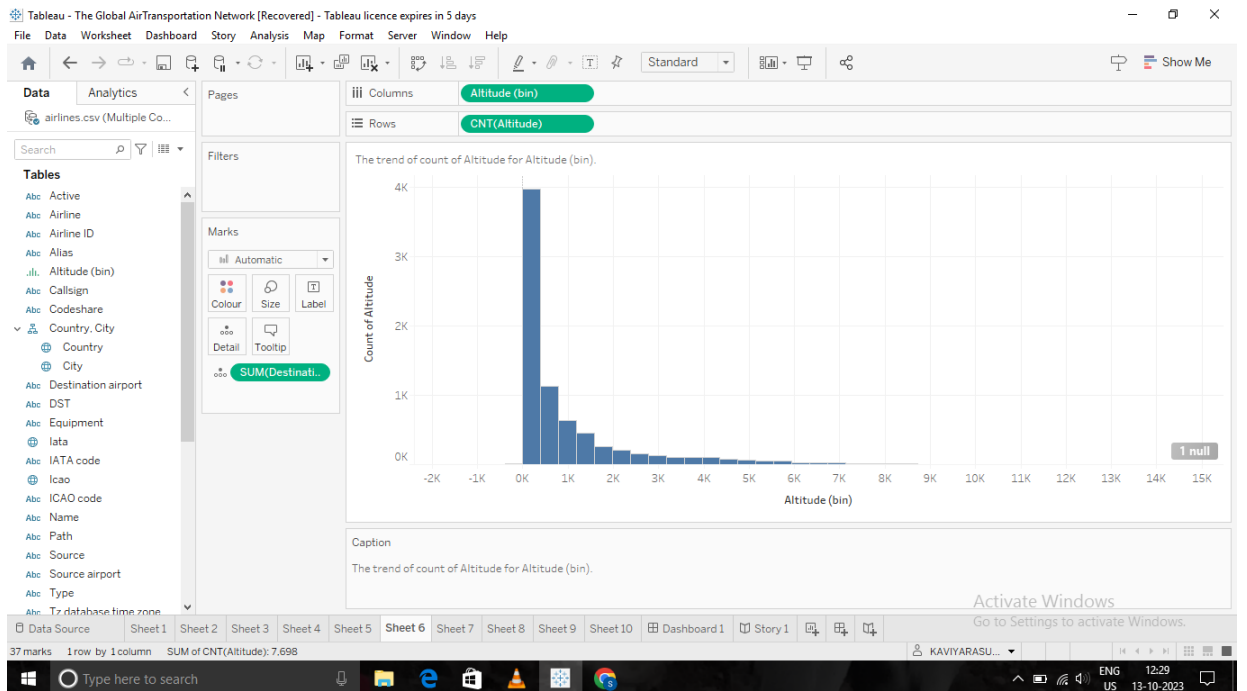
2.2 Ideation & Brainstorming map screenshot



3. Result







[illegible]

7. 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"