Project Report Template

## 1. Introduction

1.1   Overview

The project about the global transportation it helps to understand the updating the data source of collection of information on airports and airlines and their routes.
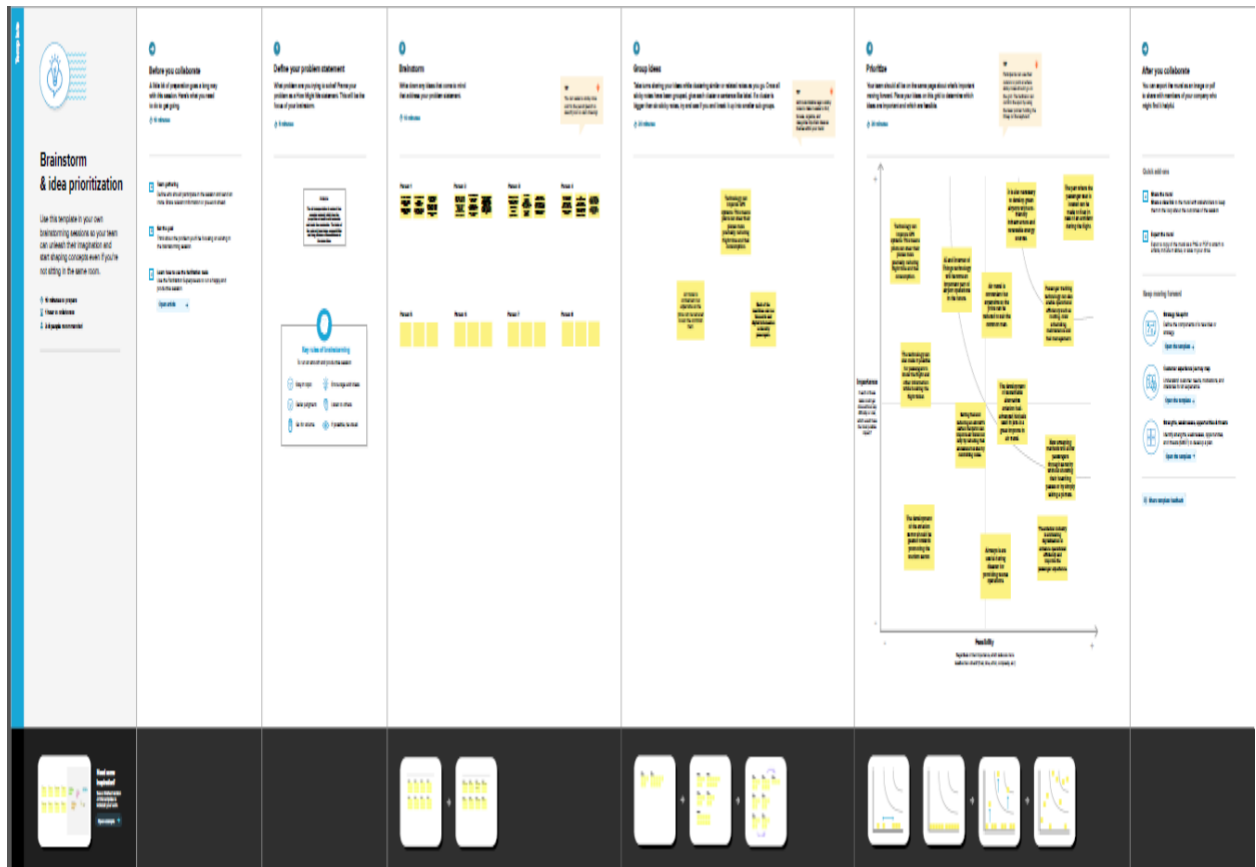
1.2   Purpose

The project's main purpose is too knowledge a people about air transports services and details about the time zone and routes of airlines and airports.

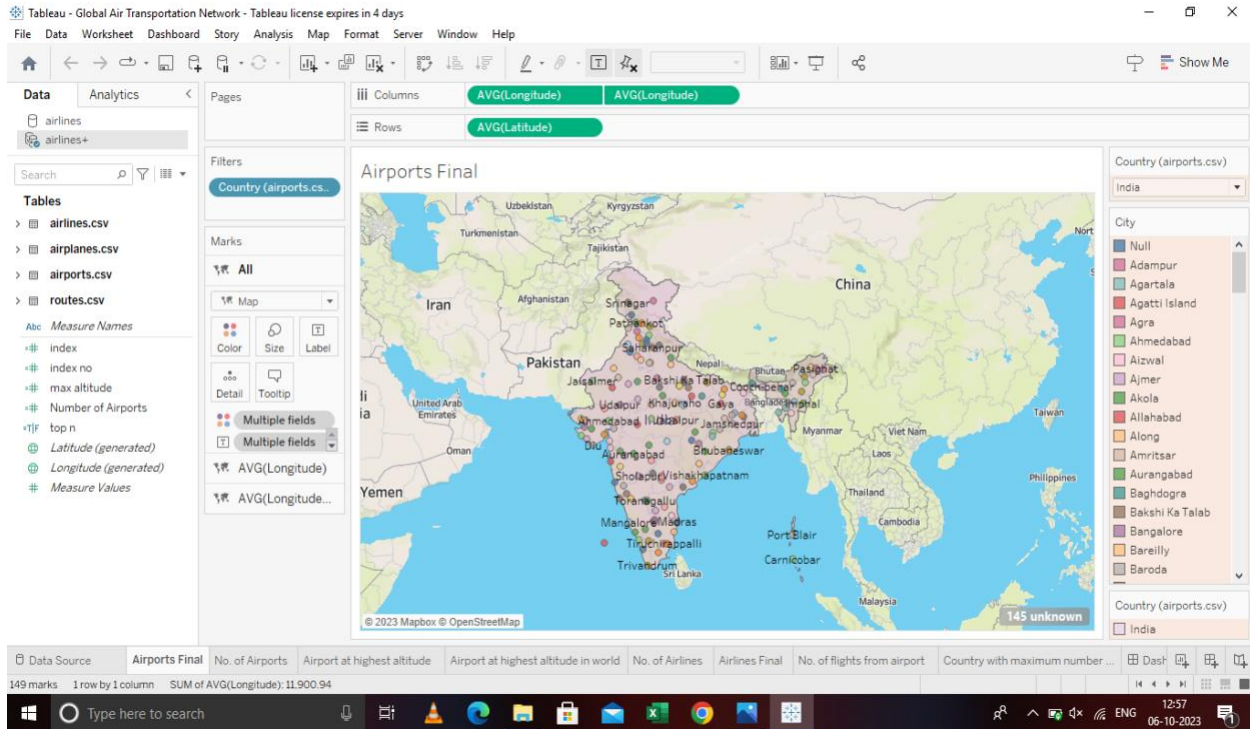## 2. Problem Definition & Design Thinking

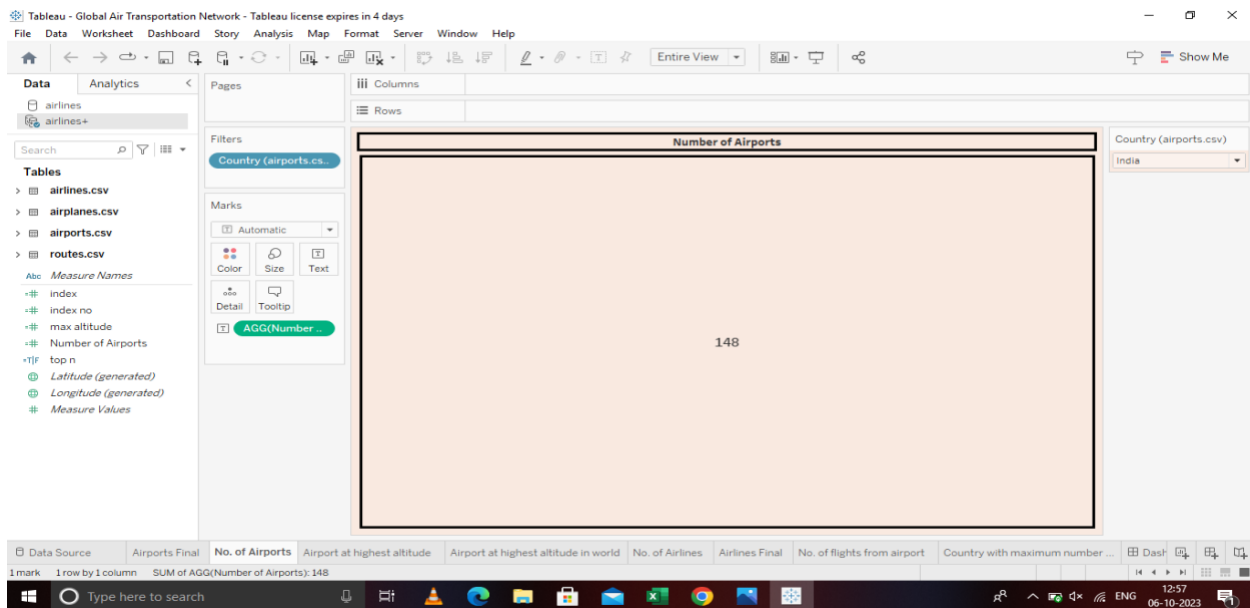### 2.1 Empathy map
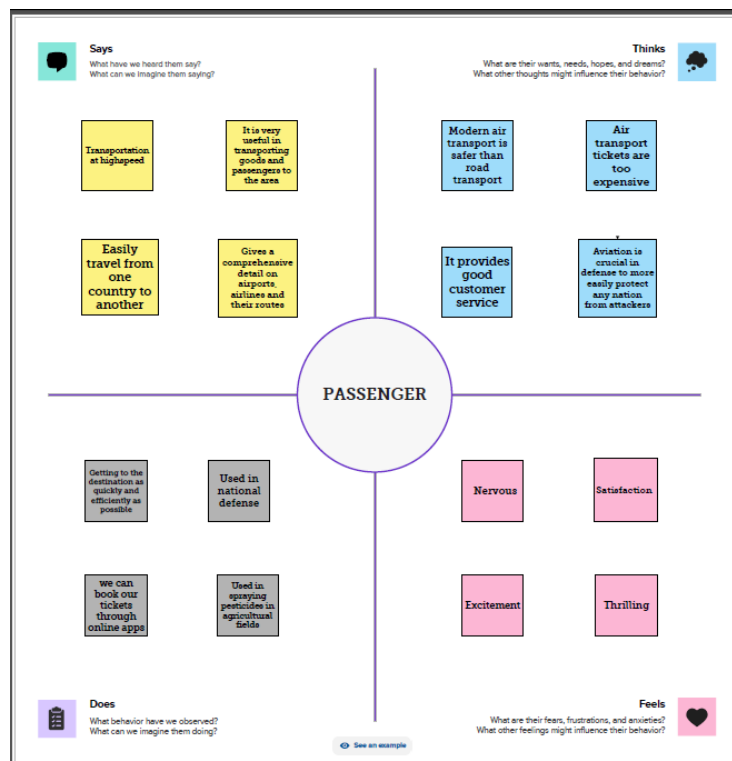
2.2 Ideation & Brainstorming Map
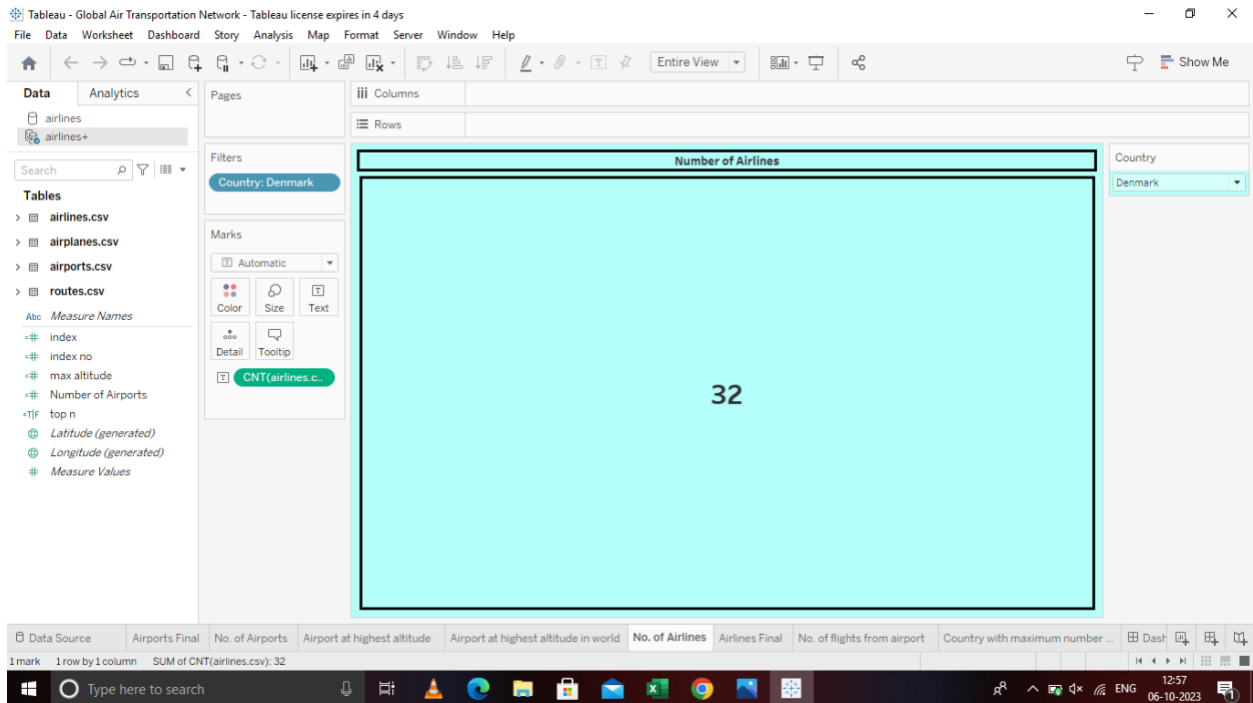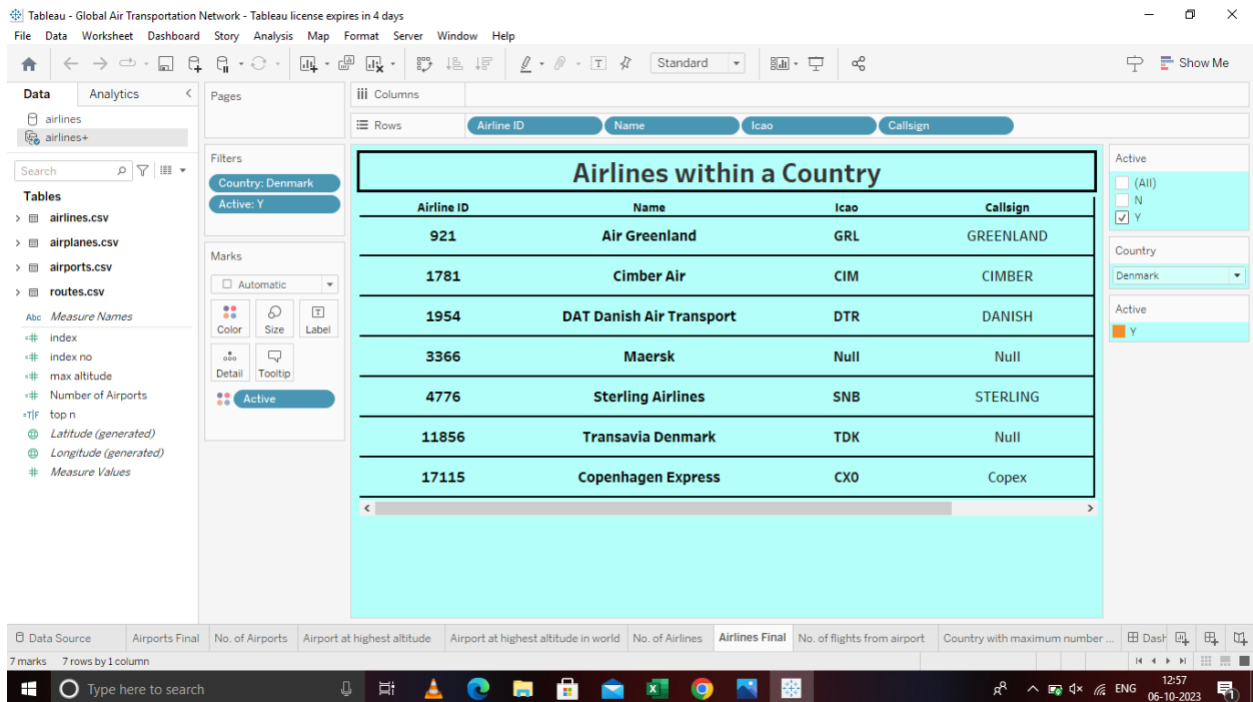

3.Result

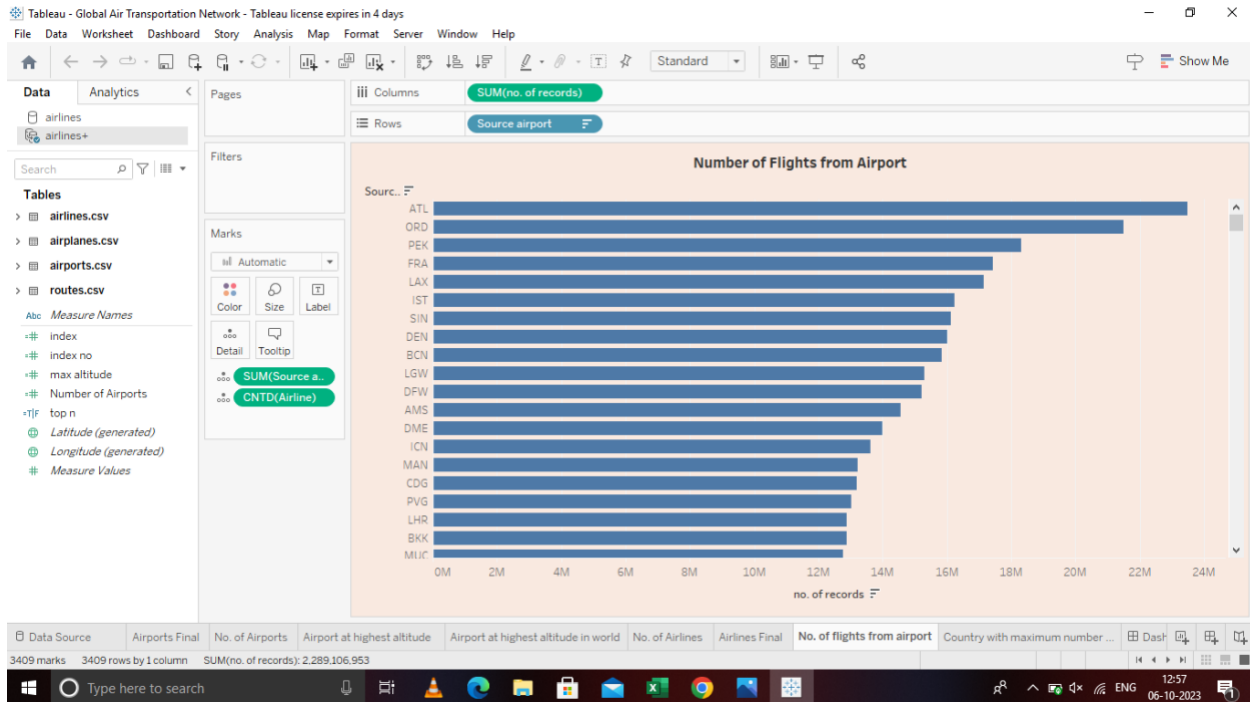# 3.1 Airports Final

3.2 Number of Airports

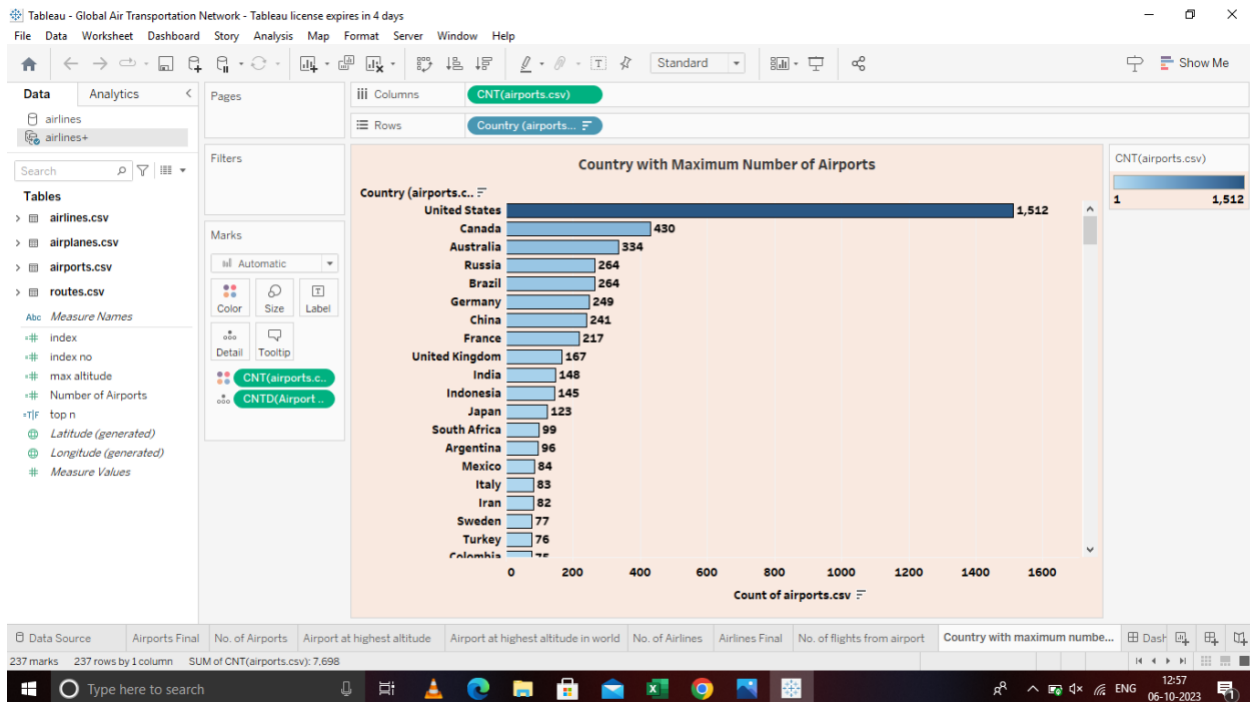# 3.3 Airport at Higher Altitude within a Country

3.4 Airport at Highest Altitude in World

3.5 Number of Airlines

3.6 Airlines within a Country
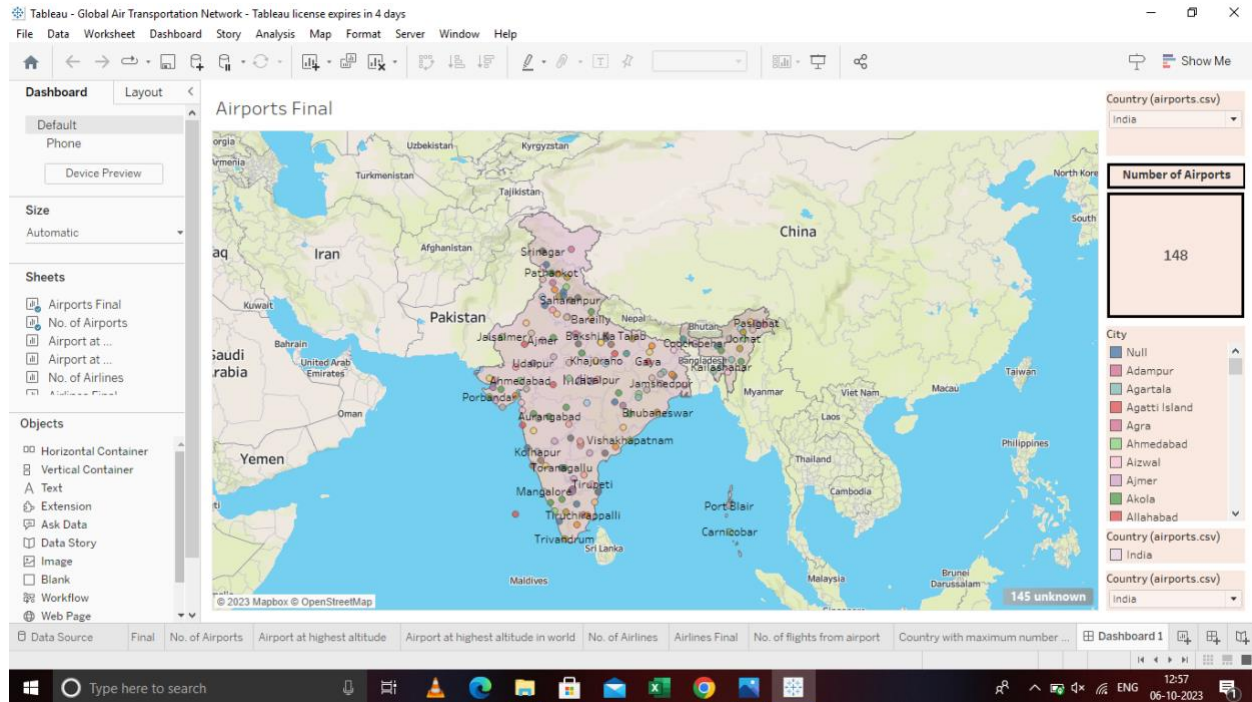
3.7 Number of Flights from Airport

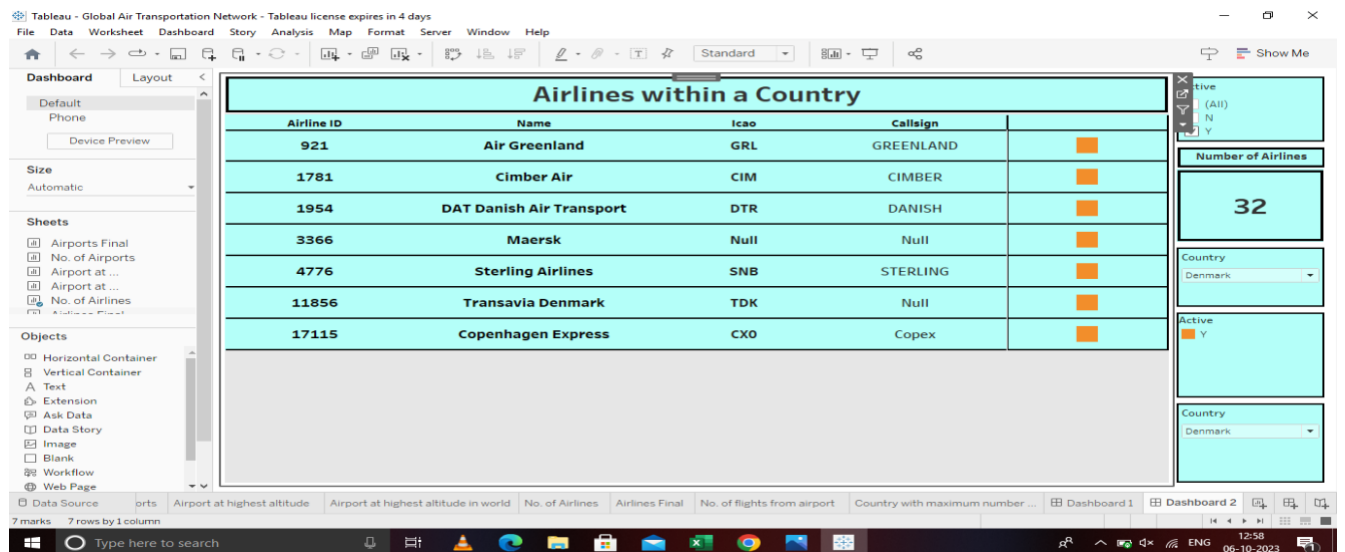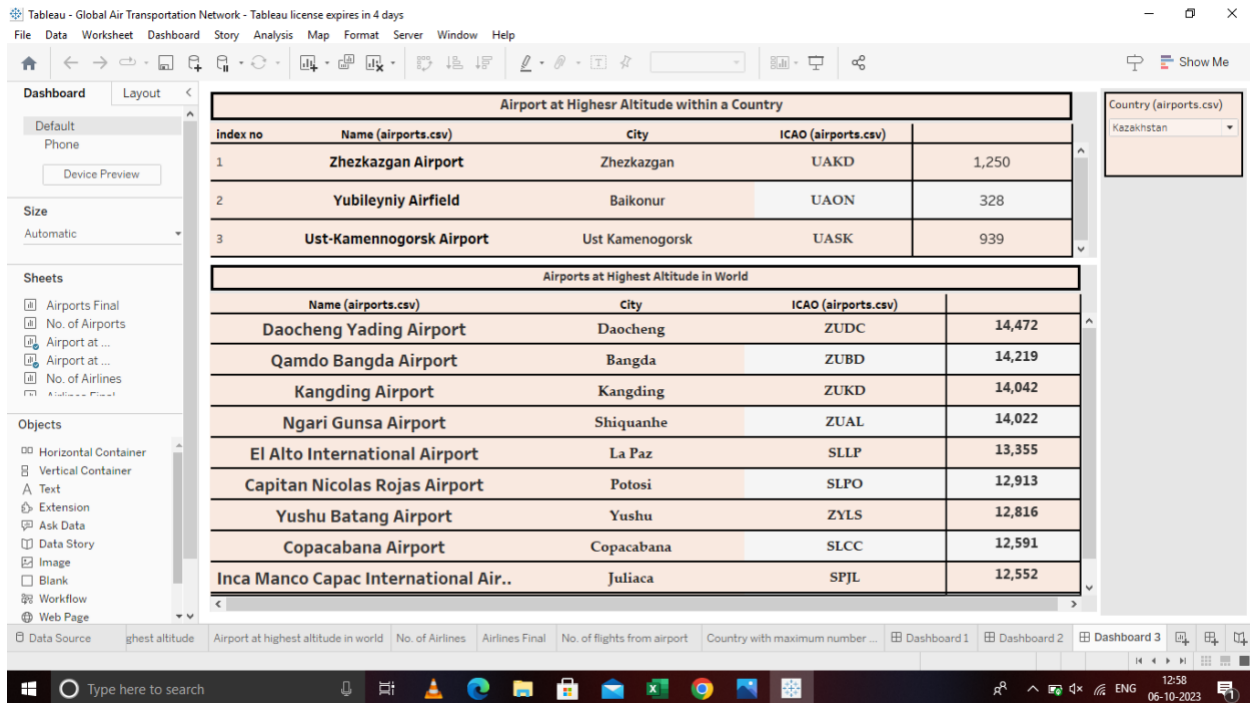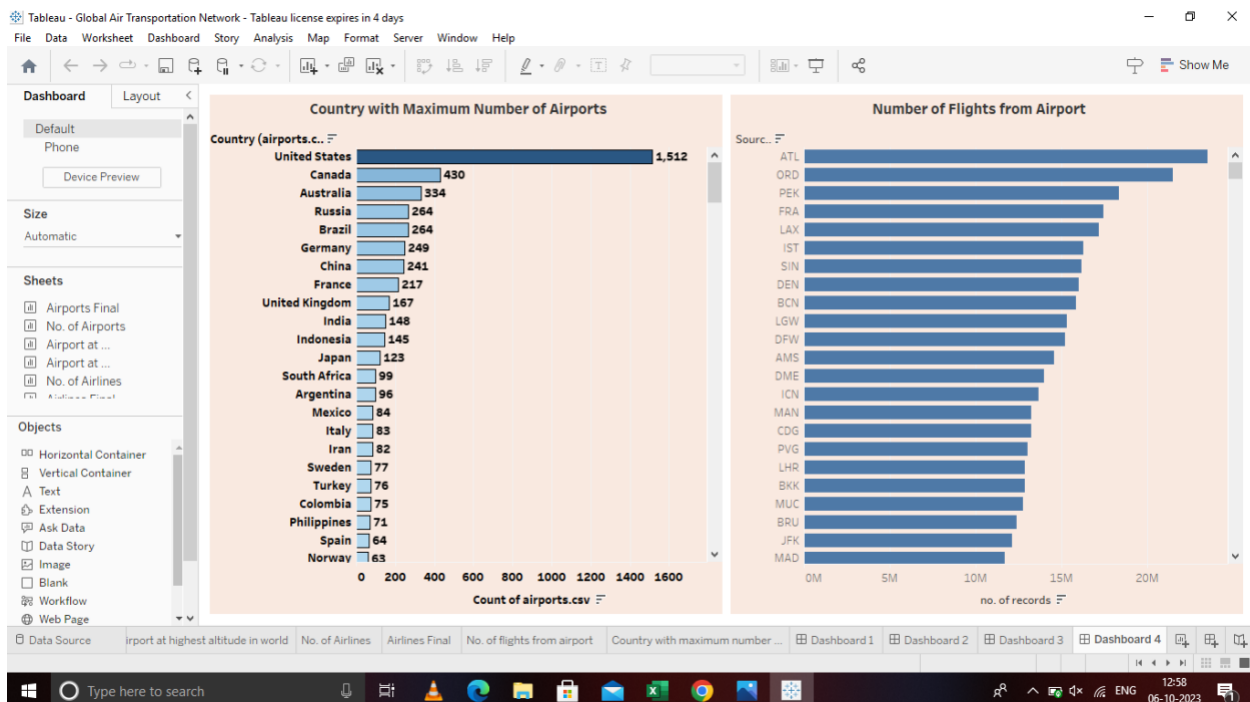# 3.8 Country with Maximum Number of Airports

3.9 Dashboard

3.9.1 Dashboard 1
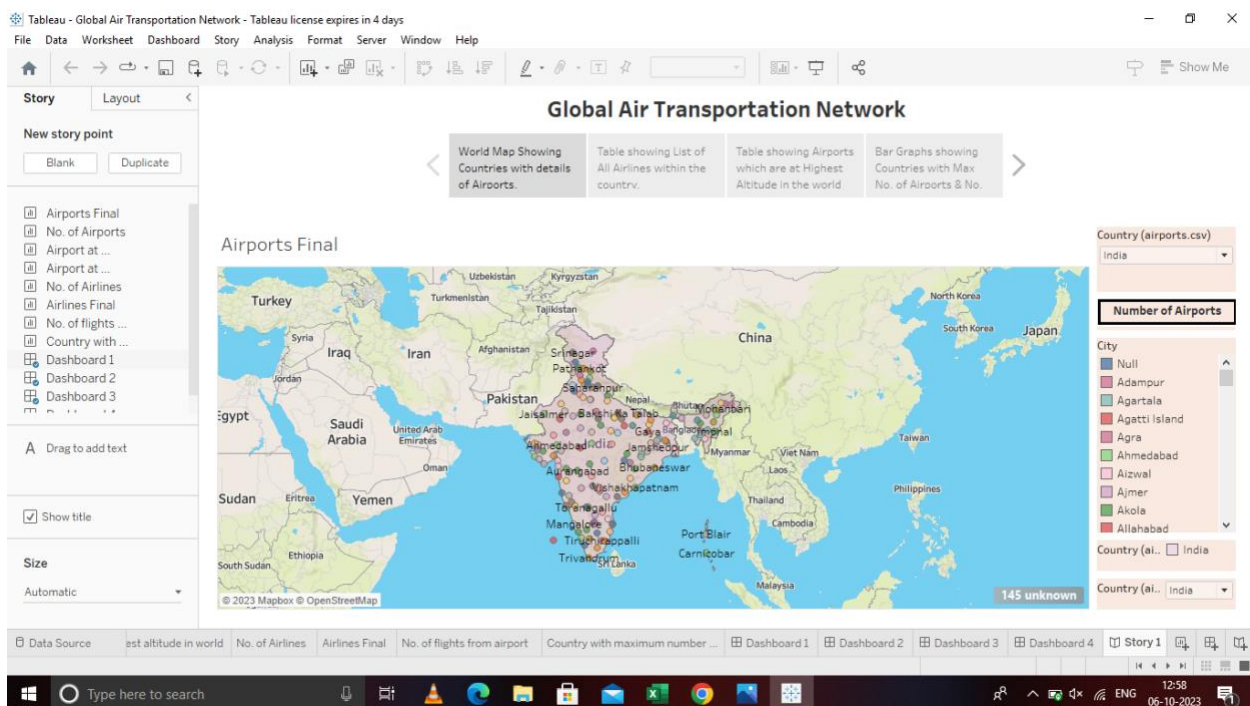

3.9.2 Dashboard 2

3.9.3 Dashboard 3

	Airport at Highesr Altitude within a Country			
index no	Name (airports.csv)	City	ICAO (airports.csv)	
1	Zhezkazgan Airport	Zhezkazgan	UAKD	1,250
2	Yubileyniy Airfield	Baikonur	UAON	328
3	Ust-Kamennogorsk Airport	Ust Kamenogorsk	UASK	939

Country (airports.csv): Kazakhstan

Airports at Highest Altitude in World			
Name (airports.csv)	City	ICAO (airports.csv)	
Daocheng Yading Airport	Daocheng	ZUDC	14,472
Qamdo Bangda Airport	Bangda	ZUBD	14,219
Kangding Airport	Kangding	ZUKD	14,042
Ngari Gunsa Airport	Shiquanhe	ZUAL	14,022
El Alto International Airport	La Paz	SLLP	13,355
Capitan Nicolas Rojas Airport	Potosi	SLPO	12,913
Yushu Batang Airport	Yushu	ZYLS	12,816
Copacabana Airport	Copacabana	SLCC	12,591
Inca Manco Capac International Air..	Juliaca	SPJL	12,552

3.9.4 Dashboard 4

Country with Maximum Number of Airports

Country (airports.c..

Country	Count of airports.csv
United States	1,512
Canada	430
Australia	334
Russia	264
Brazil	264
Germany	249
China	241
France	217
United Kingdom	167
India	148
Indonesia	145
Japan	123
South Africa	99
Argentina	96
Mexico	84
Italy	83
Iran	82
Sweden	77
Turkey	76
Colombia	75
Philippines	71
Spain	64
Norway	63

Number of Flights from Airport

Sourc..

(Bar chart showing no. of records for airports: ATL, ORD, PEK, FRA, LAX, IST, SIN, DEN, BCN, LGW, DFW, AMS, DME, ICN, MAN, CDG, PVG, LHR, BKK, MUC, BRU, JFK, MAD — scale 0M, 5M, 10M, 15M, 20M)

3.10 Story

3.10.1

3.10.2

3.10.3

3.10.4

4. Advantages & Disadvantages

Advantages:

❖ Air Transportation offers the fastest shipping

❖ High standard of security

❖ Capable of traveling long distance in short periods

❖ Defence service to protect any nation

❖ Useful during natural disasters

Disadvantages:

❖ High cost in air ticket

❖ Restriction on goods

- ❖ **Undependable and risky it depends on weather conditions**
- ❖ **Unfit for drop bulky goods**
- ❖ **Noise pollution**

5. Applications:

- ❖ **The development of air transportation network that are more efficient, safe and environmentally sustainable**
- ❖ **This can be used by investors to identity promising sectors for investment in the industry**
- ❖ **Understanding of the air transportation network to improved air quality and reduce carbon emissions.**

6. Conclusion:

In this unlocking the insights of air transportation we have used data visualizations and dashboard and story. In the visualizations we have used world map, table and bar graph. In the dashboard we use all the visualization should be applied in the correct way. In

the story, we used the visualization and add the caption above the chart.

7. Future Scope:

❖ The future of the aviation industry increases the tourism
❖ Government policies supporting the industry
❖ Emerging technologies are reshaping with robotics, artificial intelligence, the internet of things, aircraft system