

# **Unlocking Insights into the Global Air Transportation Network**

## **with Tablea**

### **INTRODUCTION**

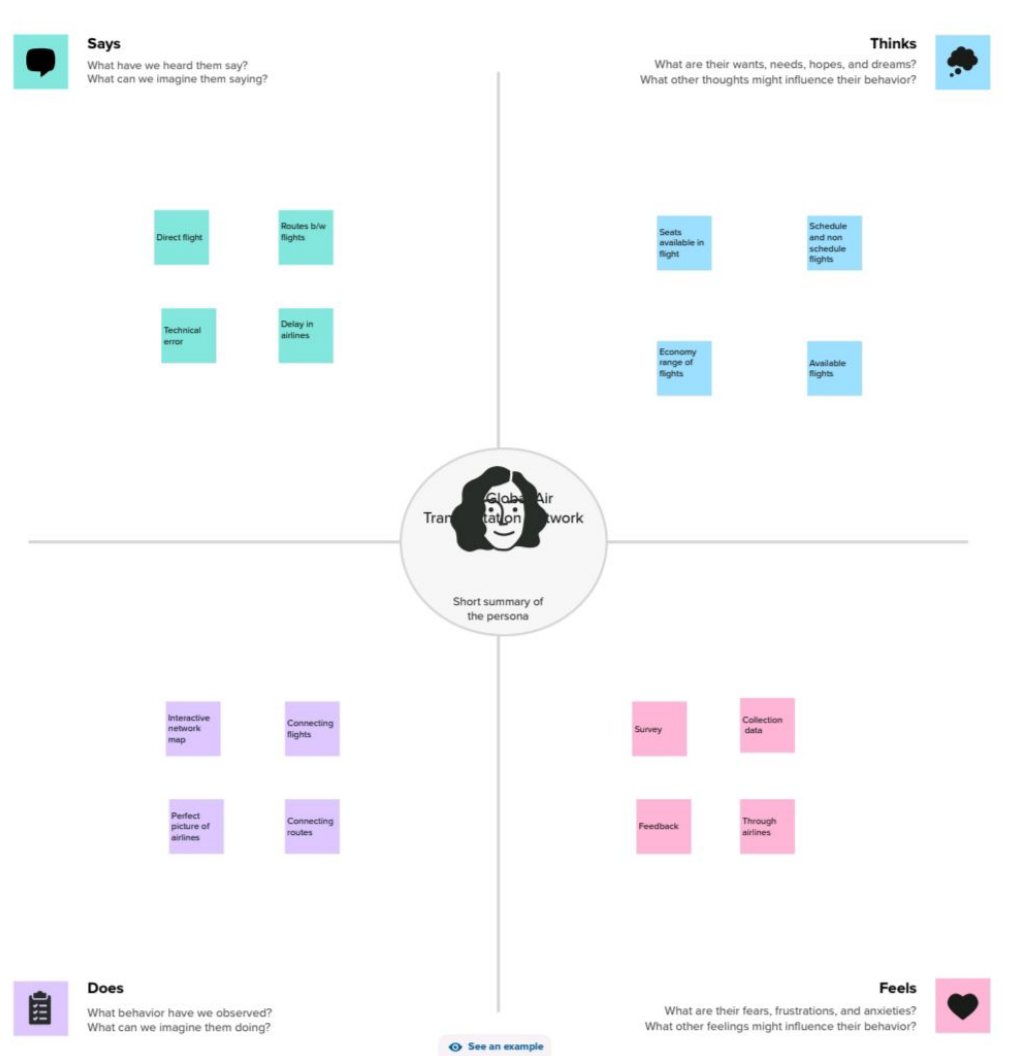
#### **1.1 Overview**

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. It requires your generous donations in order for them to keep updating this data source so please do donate if possible.

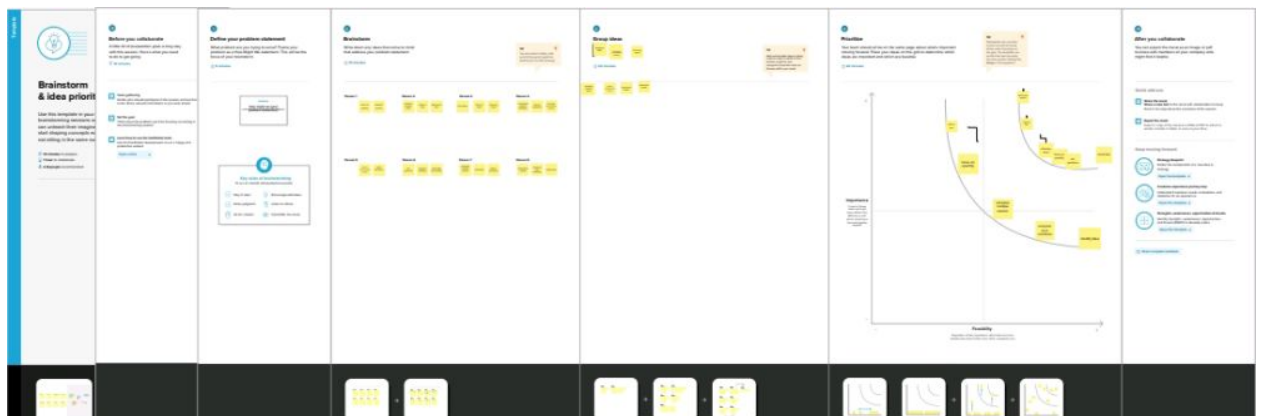
#### **1.2. Purpose**

1. Providing faster and efficient transportation.
2. connects people globally

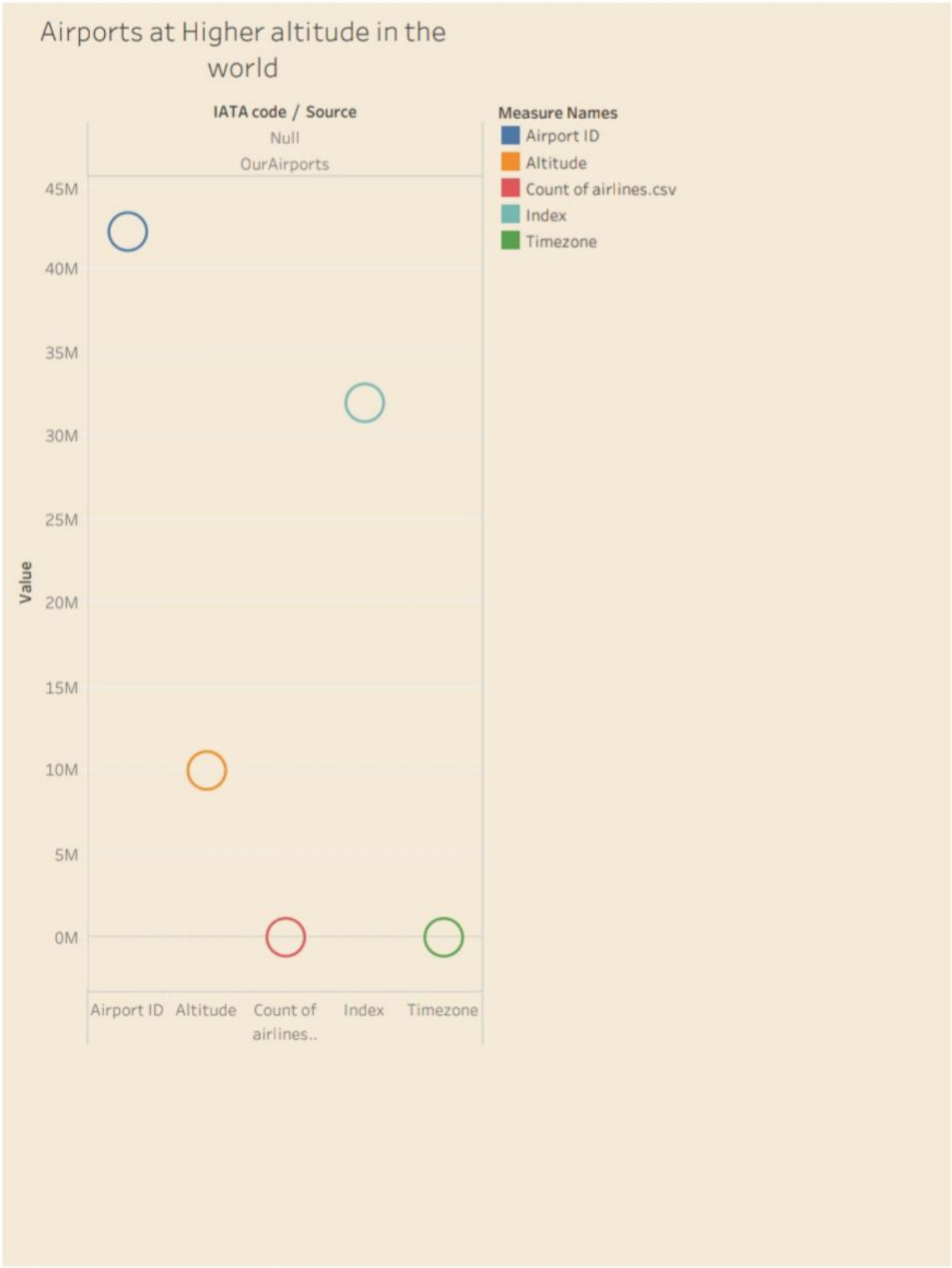
## 2.1 EMPATHY MAP



## 2.1 IDEATION AND BRAINSTORMING MAP



RESULT:

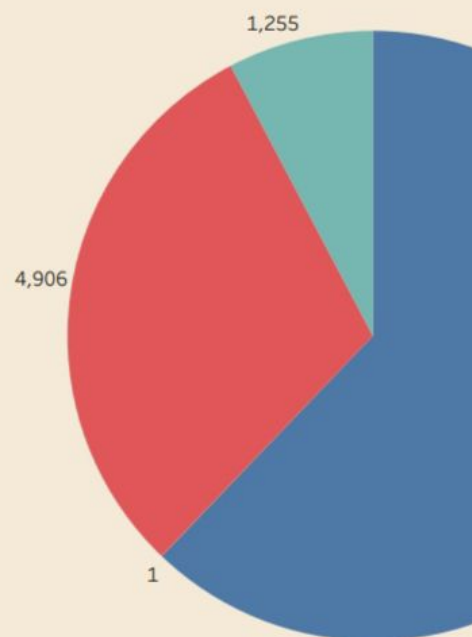


## Airlines within a Country

Count of airlines.csv  
16,288

Active

Null  
n  
N  
Y



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## Airlines within a Country

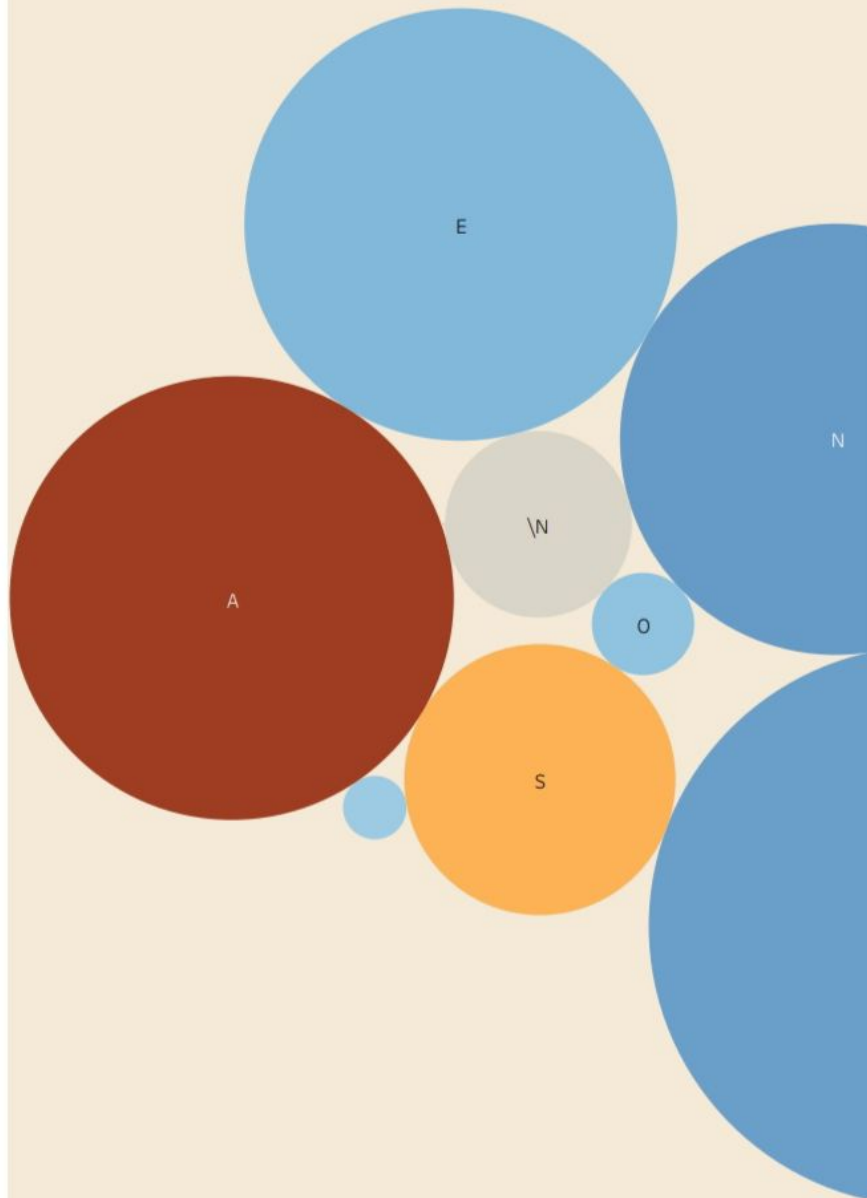
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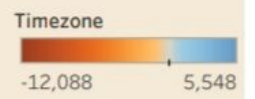


Number of flights from airport



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Number of flights from airport

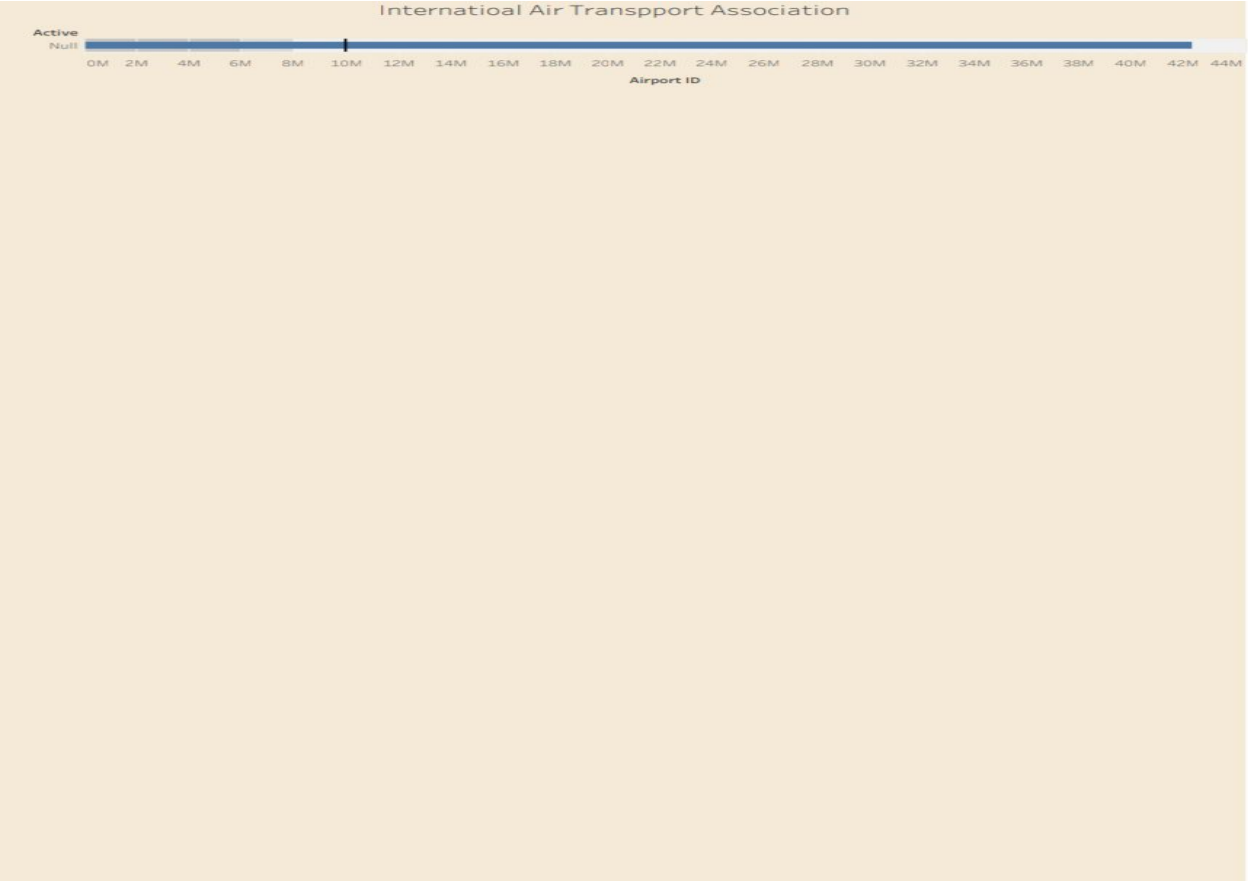


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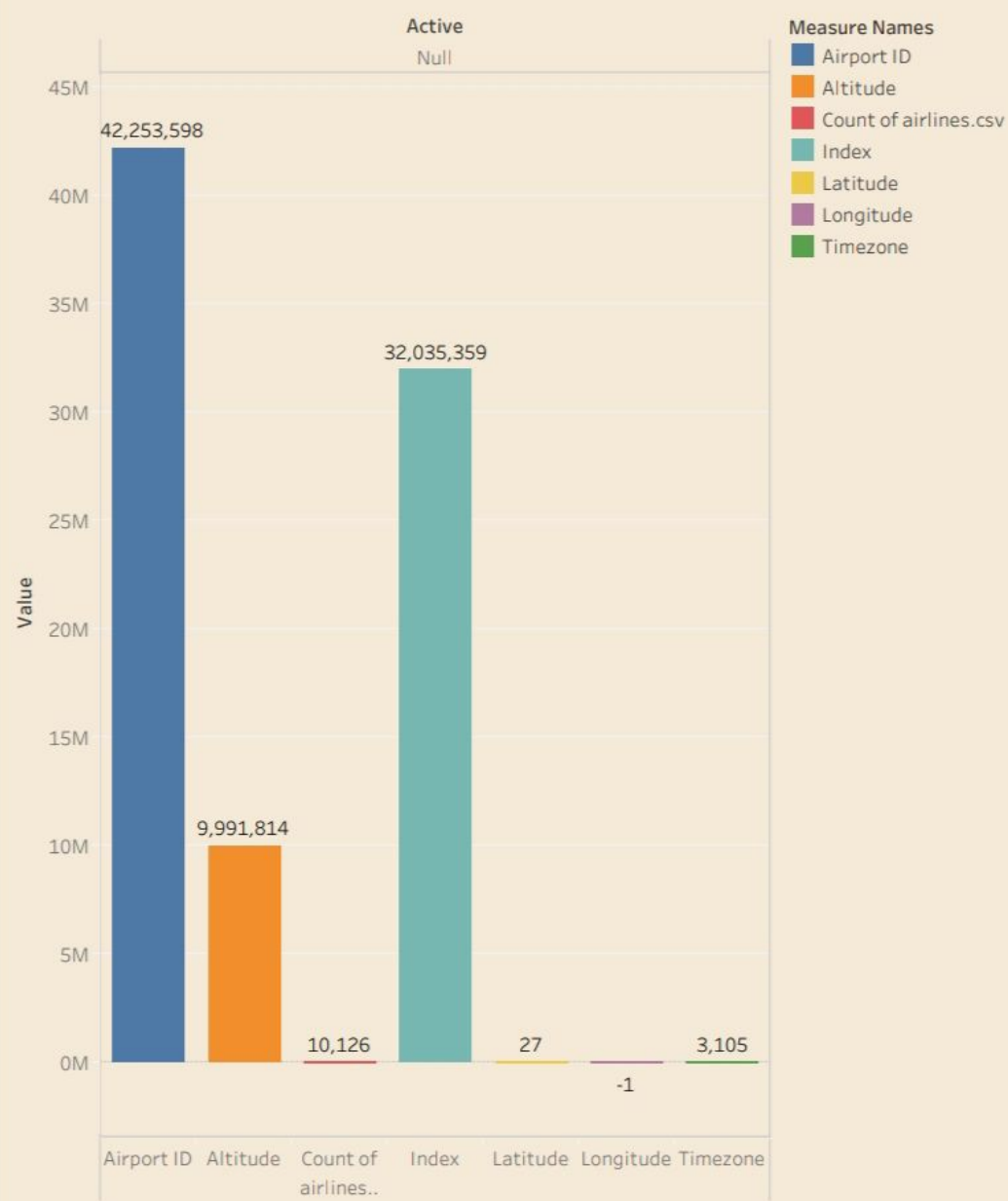
World map showing details of all Airpoerts Within a Country







Number of Airports ithin the country



## **ADVATAGES:**

### **1.High Speed :**

The supreme advantages of air transport is its high speed.

### **2.Comfortable and quik services:**

It provides a regular ,comfortable,efficient and quick service.

### **3.No invesment in construction of track:**

It does not require high capetal invesment in thr constructino and maitaince of surface track.

### **4.No Physicall Barriers:**

It flows the shortest and direct route as seas , mountains or forests do not come in the way of air .

### **5.Easy Acces:**

Air transport can be used to carry goods and people to the areas which are not accessible by other means of transport.

### **6.Emergency Services:**

It can operat even when all other means of transport cannot be operated due to thr floods or othrr natural calmities.

## **DISADVANTAGES:**

### **1.Very costly:**

It is the contliest means of Transport.

### **2.Small carrying capacity :**

Its carrying capacity is very small and hence it is not suitable to carry cheap and bulky goods.

### **3.Uncertain and Unrelaible :**

Air transport is uncertain in and unrelaible as it contolled to a great extent by whether conditions

### **4.Breakdowns and Accidents:**

The Chances of breakdowns and accident are high as compared to other modes of transport.

### **5. Large Invesment :**

It requires a large amount of capital invesment in the construction and maintenece

aeroplans furthes ,very trained and skilled persons are required for operating air service.

#### 6.Specialised skill:

Air transport requires a specielled skill and high degree of training for its operation.

### **APPLICATION:**

1.The air transportation networj is a critical infrastructre with high impact on mobility ,trade and ecconamy.

2.Another examples are the air transportation system of a country or a countries own air transport company.

### **CONCLUSION:**

Air transportation is a main transportation network in future because of its economy ,travelling for long distance .

### ***FUTURE* SCOPE:**

Air ransportation will expand it network futher and it may lead to increase in coutries income.

### **APPENDIX:**

#### *DASHBOARD:*

[https://public.tableau.com/views/Dashboard\\_16965776424580/Dashboard1?:language=en-GB&:display\\_count=n&:origin=viz\\_share\\_link](https://public.tableau.com/views/Dashboard_16965776424580/Dashboard1?:language=en-GB&:display_count=n&:origin=viz_share_link)

#### *STORY:*

[,https://public.tableau.com/views/Story\\_16965798694250/Story1?:language=en-GB&:display\\_count=n&:origin=viz\\_share\\_link](https://public.tableau.com/views/Story_16965798694250/Story1?:language=en-GB&:display_count=n&:origin=viz_share_link)