Project Report Template

1. INTRODUCTION

1.1 Overview

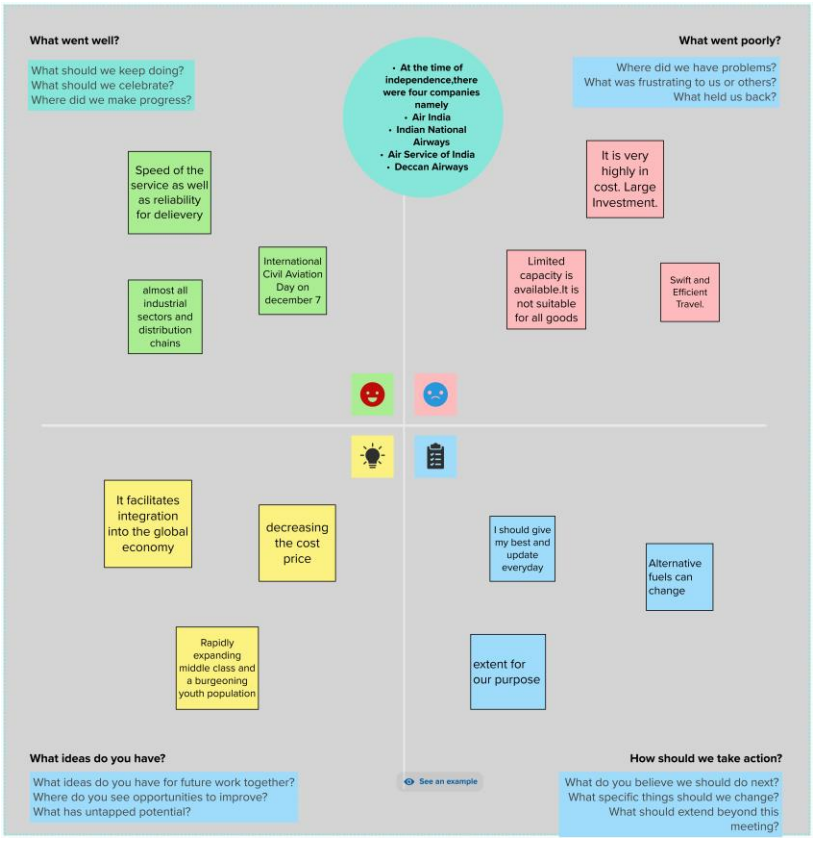
The Global Air Transportation Network dataset is a comphrehensive collection of information on airports, airlines and their routes. It contains information such as names,cities, countries,codes(IATA and ICAO) longitudes, latitudes and altitudes of airports across the world with detailed time zone.

1.2.Purpose

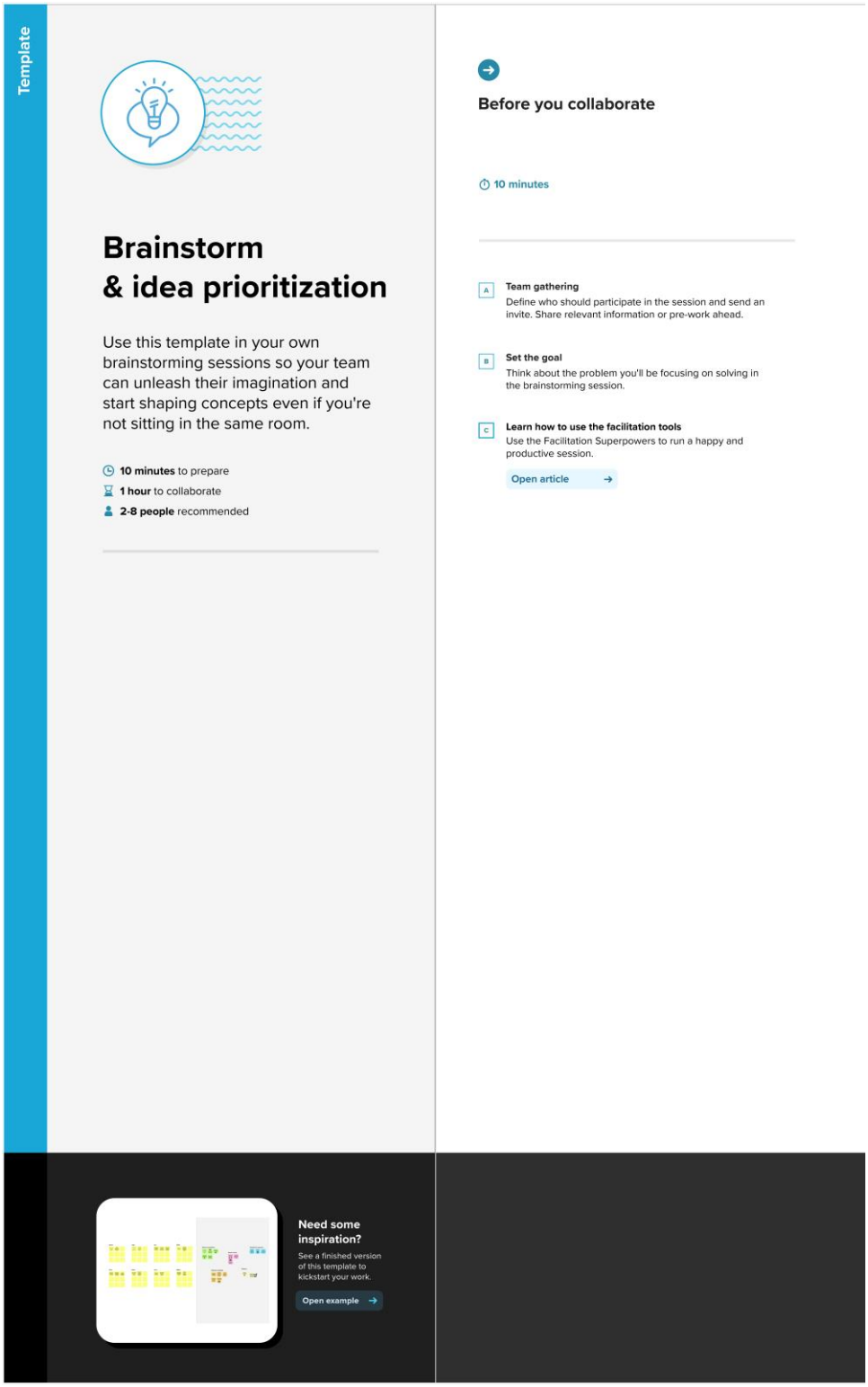
The purpose of this project to findings the routes of the airports and airlines within the country and state.

2. PROBLEM DEFINITION AND DESIGN THINKING

2.1 Empathy Map



2.2 Ideation & Brainstorming Map



1

Define your problem statement

What problem are you trying to solve? Frame your problem as a How Might We statement. This will be the focus of your brainstorm.

5 minutes

A little bit of preparation goes a long way with this session. Here's what you need to do to get going.

PROBLEM

How might we [your problem statement]?

Key rules of brainstorming

To run an smooth and productive session

- Stay in topic.
- Encourage wild ideas.
- Defer judgment.
- Listen to others.
- Go for volume.
- If possible, be visual.

2

Brainstorm

Write down any ideas that come to mind that address your problem statement.

10 minutes

TIP

You can select a sticky note and hit the pencil [switch to sketch] icon to start drawing!

Person 1	Person 2	Person 3	Person 4
there is very high cost price	It affects the import and export process	Limited capacity is available	Some product limitation
according to the weather conditiion,it might be damage	Because of the different stages of process involved in the export and importing goods	heavy air transports has increased the hazards	uncertain and Unreliable

3

Group ideas

Take turns sharing your ideas while clustering similar or related notes as you go. Once all sticky notes have been grouped, give each cluster a sentence-like label. If a cluster is bigger than six sticky notes, try and see if you and break it up into smaller sub-groups.

20 minutes

TIP

Add customizable tags to sticky notes to make it easier to find, browse, organize, and categorize important ideas as themes within your mural.

Airline infrastructure

Global congestion

Climate change

Fuel efficiency

4

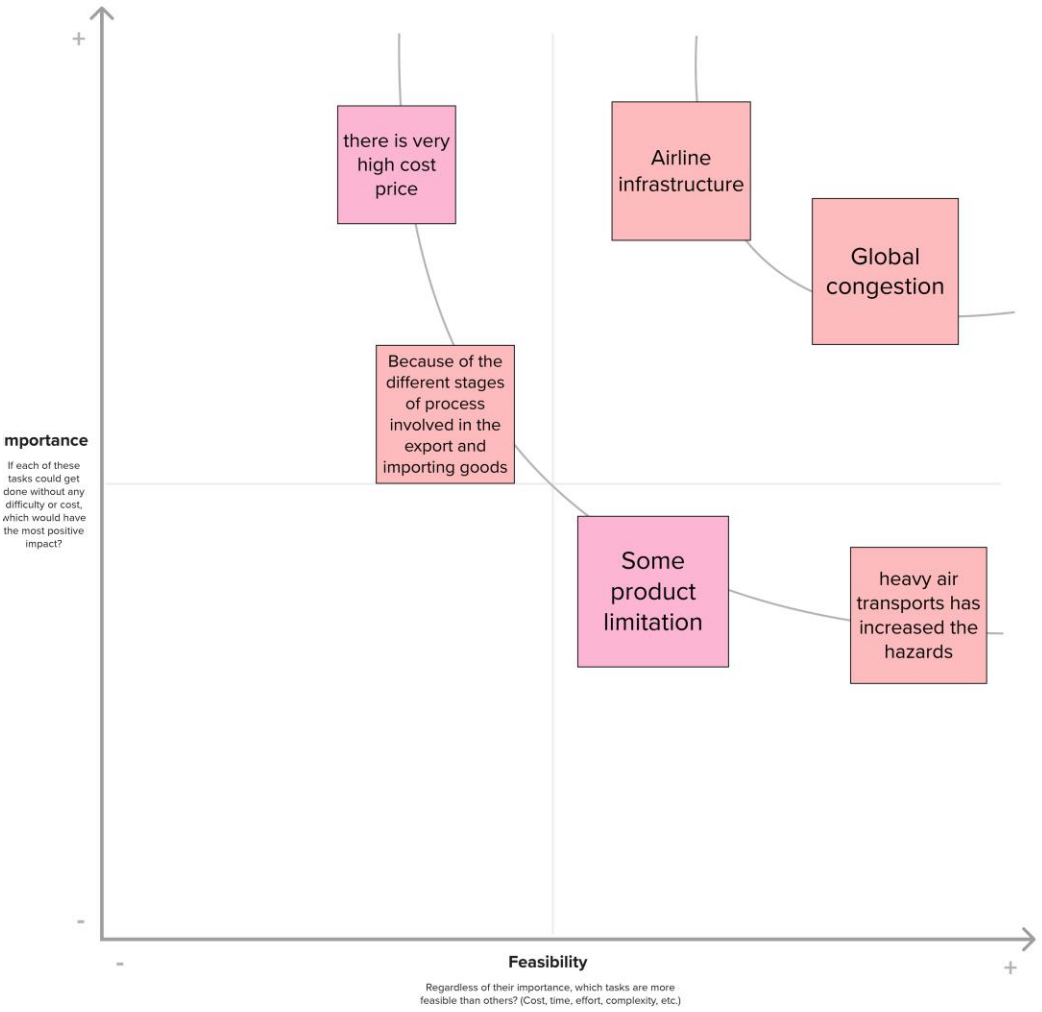
Prioritize

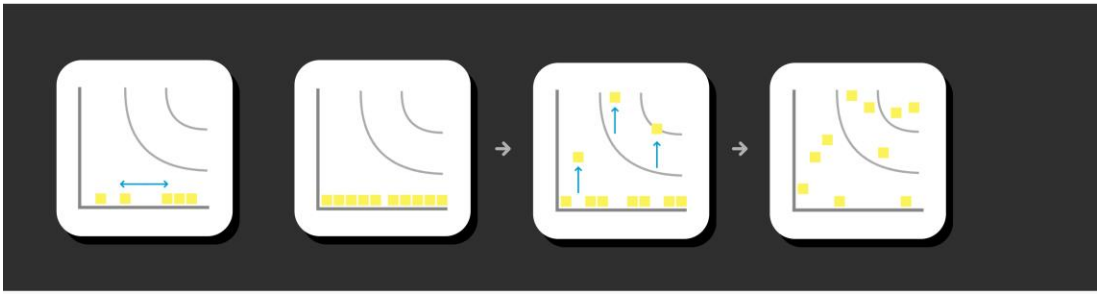
Your team should all be on the same page about what's important moving forward. Place your ideas on this grid to determine which ideas are important and which are feasible.

20 minutes

TIP

Participants can use their cursors to point at where sticky notes should go on the grid. The facilitator can confirm the spot by using the laser pointer holding the **H key** on the keyboard.





After you collaborate

You can export the mural as an image or pdf to share with members of your company who might find it helpful.

Quick add-ons

A **Share the mural**
Share a view link to the mural with stakeholders to keep them in the loop about the outcomes of the session.

B **Export the mural**
Export a copy of the mural as a PNG or PDF to attach to emails, include in slides, or save in your drive.

Keep moving forward

Strategy blueprint
Define the components of a new idea or strategy.

Open the template →

Customer experience journey map
Understand customer needs, motivations, and obstacles for an experience.

Open the template →

Strengths, weaknesses, opportunities & threats
Identify strengths, weaknesses, opportunities, and threats (SWOT) to develop a plan.

Open the template →

Share template feedback

3. RESULT

Number and location of airports in a country
Number of airports in a country
334
Country (airports.csv)
India
Activitity 1.1
© 2023 Mapbox © OpenStreetMap
City
Null
Agatti Island
Aizwal
Adampur
Agra
Ajmer
Agartala
Ahmedabad
Akola
Country (airports.csv)
India

Airlines within a country

Show airlines by active status by country

Airline ID	Name	Icao	Callsign	
3127	Kevis	KVS	KEVIS	
3128	Key Airlines	KEY	KEY AIR	
3129	Key Lime Air	LYM	KEY LIME	
3130	Keystone Aerial Surveys	FTP	FOOTPRINT	
3131	Keystone Air Services	KEE	KEYSTONE	
3132	Khalifa Airways	KZW	KHALIFA AIR	
3133	Kharkov Aircraft Manufac..	WKH	WEST-KHARKOV	
3134	Khazar	KHR	KHAZAR	
3135	Khoezestan Photros Air Li..	KHP	PHOTROS AIR	
3136	Khoriv-Avia	KRV	KHORIV-AVIA	
3137	Khors Aircompany	KHO	AIRCOMPANY KHORS	
3138	Khyber Afghan Airlines	KHY	KHYBER	
3139	Kiev Aviation Plant	UAK	AVIATION PLANT	
3140	King Aviation	KNG	KING	
3141	Kingfisher Air Services	BEZ	SEA BREEZE	
3142	Kingfisher Airlines	KFR	KINGFISHER	
3143	Knighthawk Air Express	KNX	KNIGHT FLIGHT	
3144	Kingston Air Services	KAS	KINGSTON AIR	
3145	Kinnarps	KIP	KINNARPS	
3146	Kinshasa Airways	KNS	KINSHASA AIRWAYS	
3147	Kirov Air Enterprise	KTA	VYATKA-AVIA	
3148	Kish Air	IRK	KISHAIR	
3149	Kitty Hawk Aircargo	KHA	AIR KITTYHAWK	
3150	Kitty Hawk Airways	KHC	CARGO HAWK	
3151	Kiwi International Air Lines	KIA	KIWI AIR	
3152	Knight Air	KNA	KNIGHTAIR	
3153	Knighthawk Express	KHX	RIZZ	
3154	Knights Airlines	KGT	KNIGHT-LINER	
3155	Koanda Avacion	KOA	KOANDA	

Number of airports in a country

334

Country (airports.csv)
Australia

Active
- [x] n
- [x] N
- [x] Y

Active
- N
- Y

Winner
8,539,557 — 138,437,589

Measure Names
- Total Electors
- Winner

Top n
10

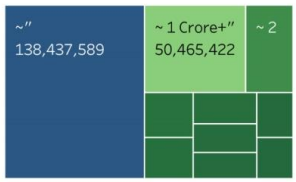
PARTY
- 34.6101361
- 41.64150471
- 43.44409388
- 44.07833514
- 45.45980141
- 46.25348241
- 46.97075293
- 47.87298346
- 48.75919621
- 49.33609176

Education
- Null
- 5th Pass
- 8th Pass
- 10th Pass
- 12th Pass
- "Post Graduate
- Doctorate
- GENERAL
- Graduate
- Graduate Professional

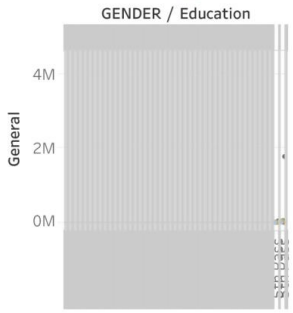
Sheet 3

Total Criminal
798,709

Sheet 4



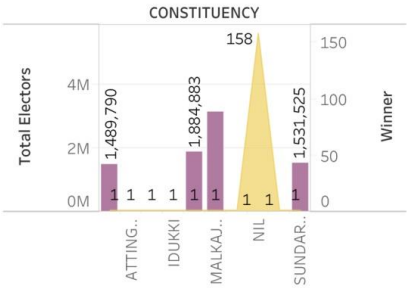
Sheet 1



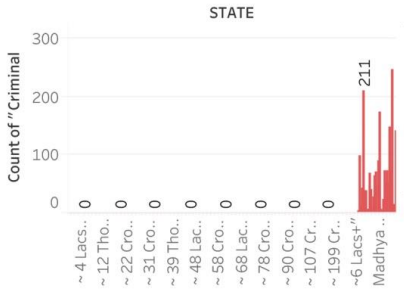
Sheet 2

Total Winner
587,981,119

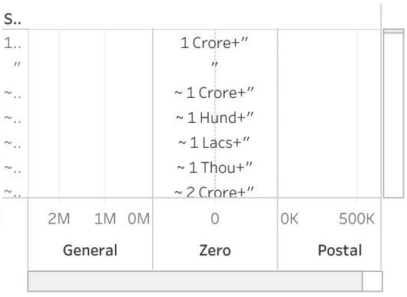
Sheet 7



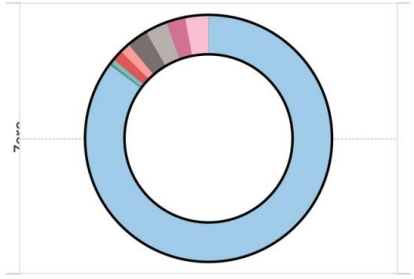
Sheet 6



Sheet 5



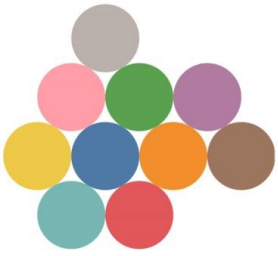
Sheet 10



Sheet 9

Education	Category: Null	26	30
Null	587,980,587		
5th Pass			
8th Pass			
10th Pass			
12th Pass			
"Post Grad..			
Doctorate			
GENERAL			

Sheet 8



Airports at higher altitude within a country

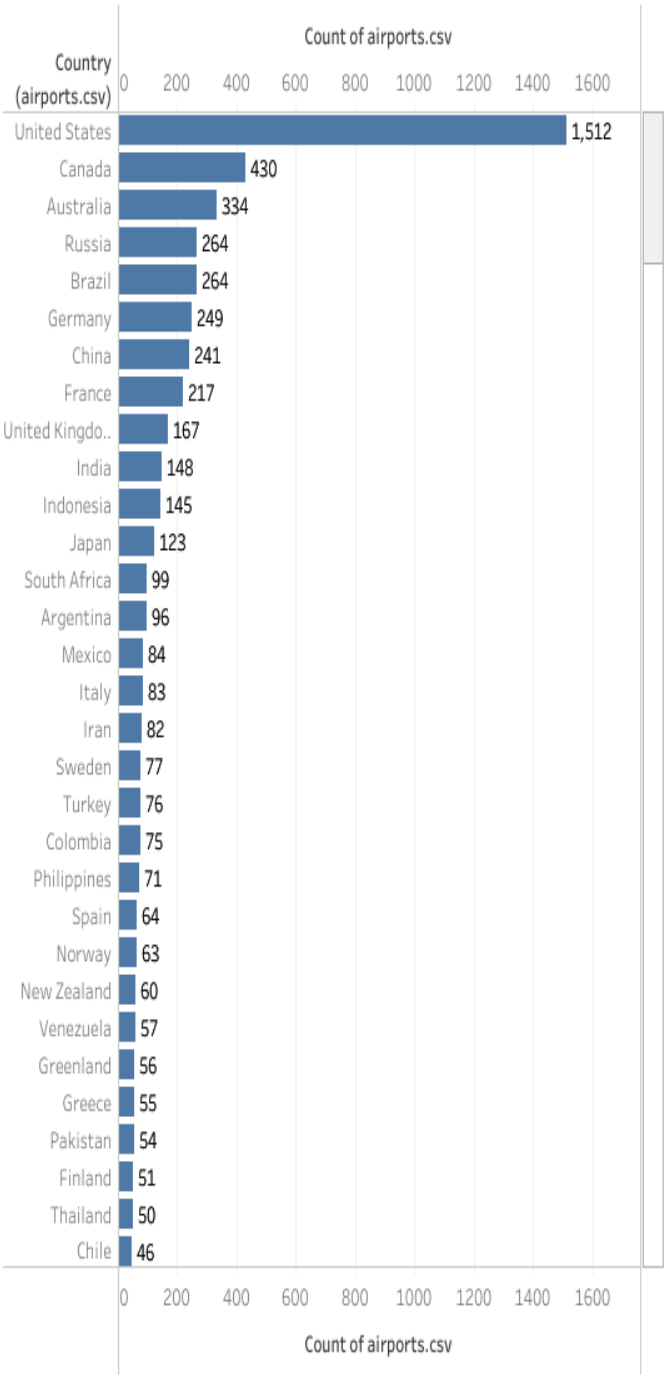
Country (airports.csv)
Bahrain

index ..	Name (airports.csv)	City	ICAO (airports.csv)	
1	Bahrain International Airport	Bahrain	OBBI	6
	Sheik Isa Air Base	Bahrain	OBBS	136

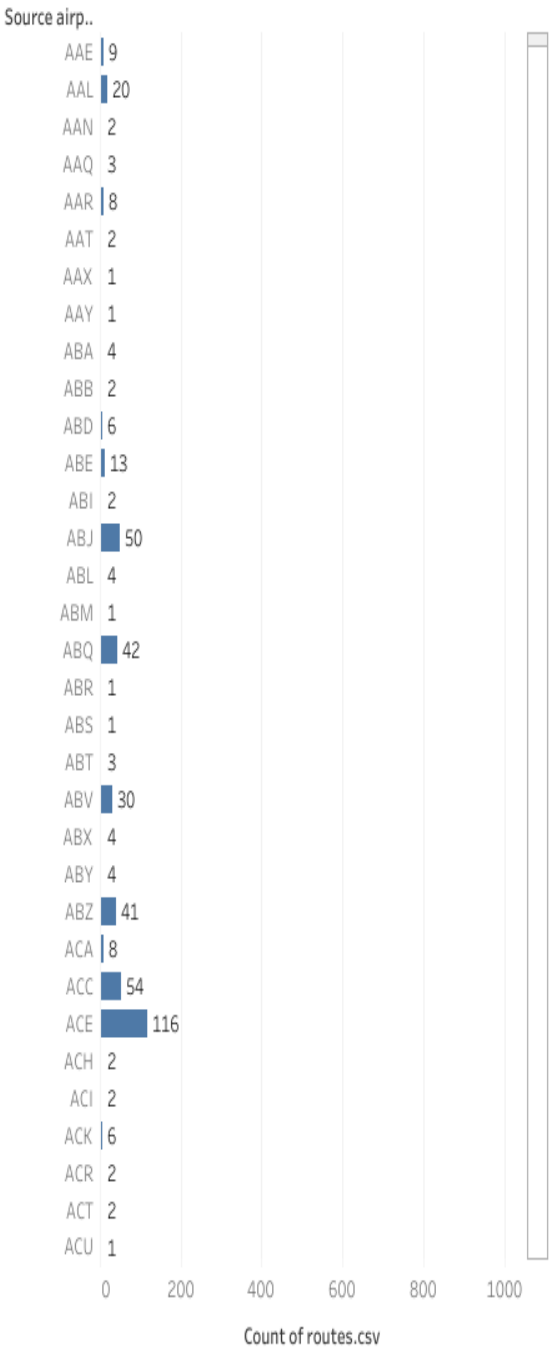
Table that shows higher altitudes

Name (airports.csv)	City	ICAO (airports.csv)	
Capitan Nicolas Rojas Airport	Potosi	SLPO	12,913
Copacabana Airport	Copacabana	SLCC	12,591
Daocheng Yading Airport	Daocheng	ZUDC	14,472
El Alto International Airport	La Paz	SLLP	13,355
Golog Maqin Airport	Golog	ZLGL	12,426
Inca Manco Capac International Airport	Juliaca	SPJL	12,552
Kangding Airport	Kangding	ZUKD	14,042
Ngari Gunsa Airport	Shiquanhe	ZUAL	14,022
Qamdo Bangda Airport	Bangda	ZUBD	14,219
Yushu Batang Airport	Yushu	ZYLS	12,816

Country with maximum number of airports



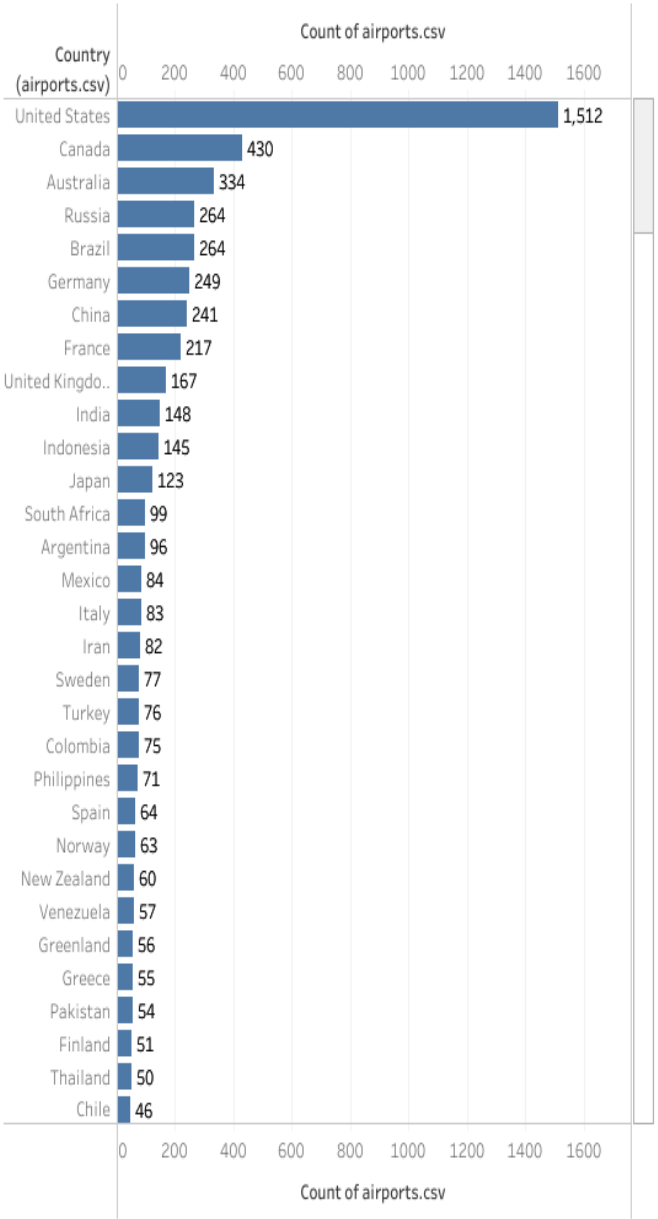
Number of flights from airports



Global air transportation network

World map showing countries with details.. | Table showing airports which are at the hight.. | Table showing list of all airlies within coun.. | Bar graph showing countries with max n..

Country with maximum number of airports



Number of flights from airports

4. ADVANTAGES & DISADVANTAGES

ADVANTAGES

- Easily find Out all the updates A of global air transportation.
- According to the conditions, we observe travelling's expenses, etc..
- Observe the Current airlines airports within the country.
- It is very useful to analyses the transportation causes

DISADVANTAGES

- Whenever the comparison of attitudes, longitudes, it affect the lowest one.
- It affect sometimes the profit of some air transport the companies.

5. APPLICATIONS

- Application this is apply to find the current airlines and airport transportations
- Easily to apply this type which the product import and export

6. CONCLUSION

- I complete my course videos
- Then, I built my empathy map and brainstorming map according to my topic. I uploaded this files in github.
- I attended the every week class.
- Then I found my data set through the NAAN MUDHALVAN login.
- By using link, I download it.
- I downloaded the app "tableau" then I tried it to activate for 14 days.
- I connected it in the given data.
- The data source uploaded in the tableau. I built my 6 types of activities.
- Then collect the activities in the dashboard 1,2,3,4.
- Then prepared the story the collection of data and published it in the google chrome.

- I took my screen recording with my voice.
- That video also explained about the project that I do.
- Finally, I uploaded all the data, activities, dashboard, stories etc. in github.

7.FUTURE SCOPE

- It given very good scope in future.

8.APPENDIX

- Alias, data, ICAO, Callsign,