

BACHELOR OF SCIENCE IN PHYSICS



DEPARTMENT OF PHYSICS

GOVERNMENT ARTS AND SCIENCE COLLEGE THENNANGUR

604408

THIRUVALLUVAR UNIVERSITY



UNLOCKING INSIGHTS INTO THE GLOBAL AIR TRANSPORTATION NETWORK WITH TABLEAU

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Says

What have we heard them say?
What can we imagine them saying?

They said they are unsatisfied that they cannot find the whole package for a vacation in the same place within their budget

They usually pay a high commission when going to the classic travel agency and usually they are given limited options

They also hear friends using classic travel agency to create their vacation by their own searches



Thinks

What are their wants, needs, hopes, and dreams?
What other thoughts might influence their behavior?

They hope to have an application which could find the best vacation package within their budget

To be able to find the best flight and accommodation within the same place and on their established budget.

To spend a limited amount of time; to have nice experiences and not a complicated one on the website.

GLOBAL AIR TRANSPORTATION

Aviation provides the only rapid worldwide transportation network, which makes it essential for global business.

This global air transportation network dataset is a comprehensive collection of information on airports, airlines and their uses.

It generates economic growth

The solution for airlines would be to shift to other models - a finance lease or the outright purchase of an aircraft.

Not being able to find an app which could have the best vacation package on the budget; they have many applications on the market; expensive; time consuming.

Not having enough options; of having too many options; wasting time and money; complicated websites.



Does

What behavior have we observed?
What can we imagine them doing?



Feels

What are their fears, frustrations, and anxieties?
What other feelings might influence their behavior?



Brainstorm & Idea prioritization

Use this template to generate and prioritize ideas for your project. The template is designed to help you generate ideas and prioritize them based on their impact and effort.

1. Generate ideas
2. Prioritize ideas
3. Implement ideas

Before you collaborate

1. **Define your problem statement**

2. **Define your problem statement**

3. **Define your problem statement**

Define your problem statement

1. **Define your problem statement**

2. **Define your problem statement**

3. **Define your problem statement**

Brainstorm

1. **Brainstorm**

2. **Brainstorm**

3. **Brainstorm**

Group ideas

1. **Group ideas**

2. **Group ideas**

3. **Group ideas**

Group ideas

1. **Group ideas**

2. **Group ideas**

3. **Group ideas**

Group ideas

1. **Group ideas**

2. **Group ideas**

3. **Group ideas**

Plotting

1. **Plotting**

2. **Plotting**

3. **Plotting**

Plotting

1. **Plotting**

2. **Plotting**

3. **Plotting**

After you collaborate

1. **After you collaborate**

2. **After you collaborate**

3. **After you collaborate**

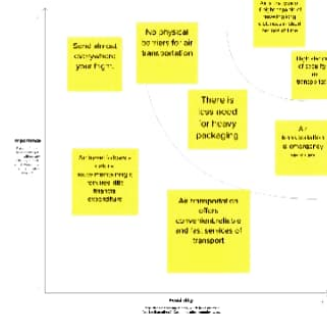


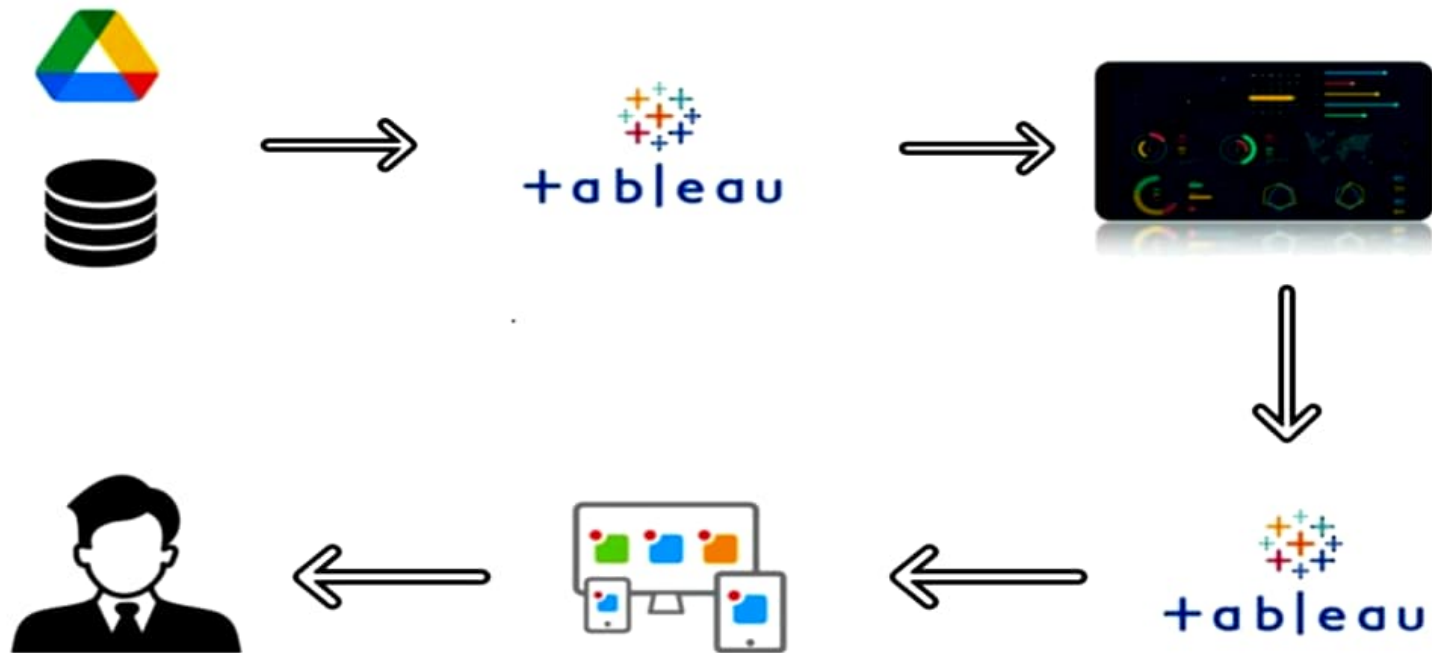
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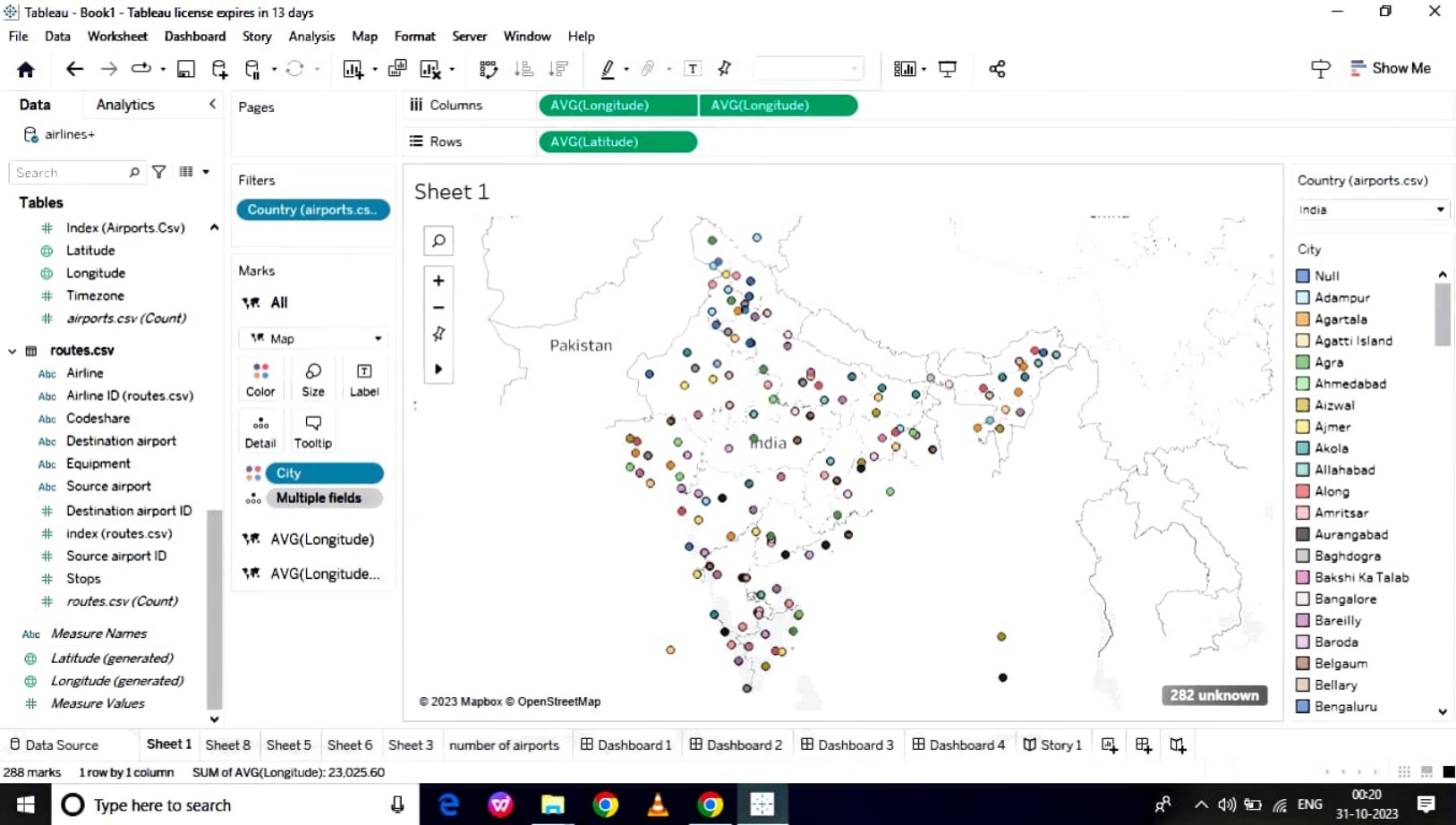
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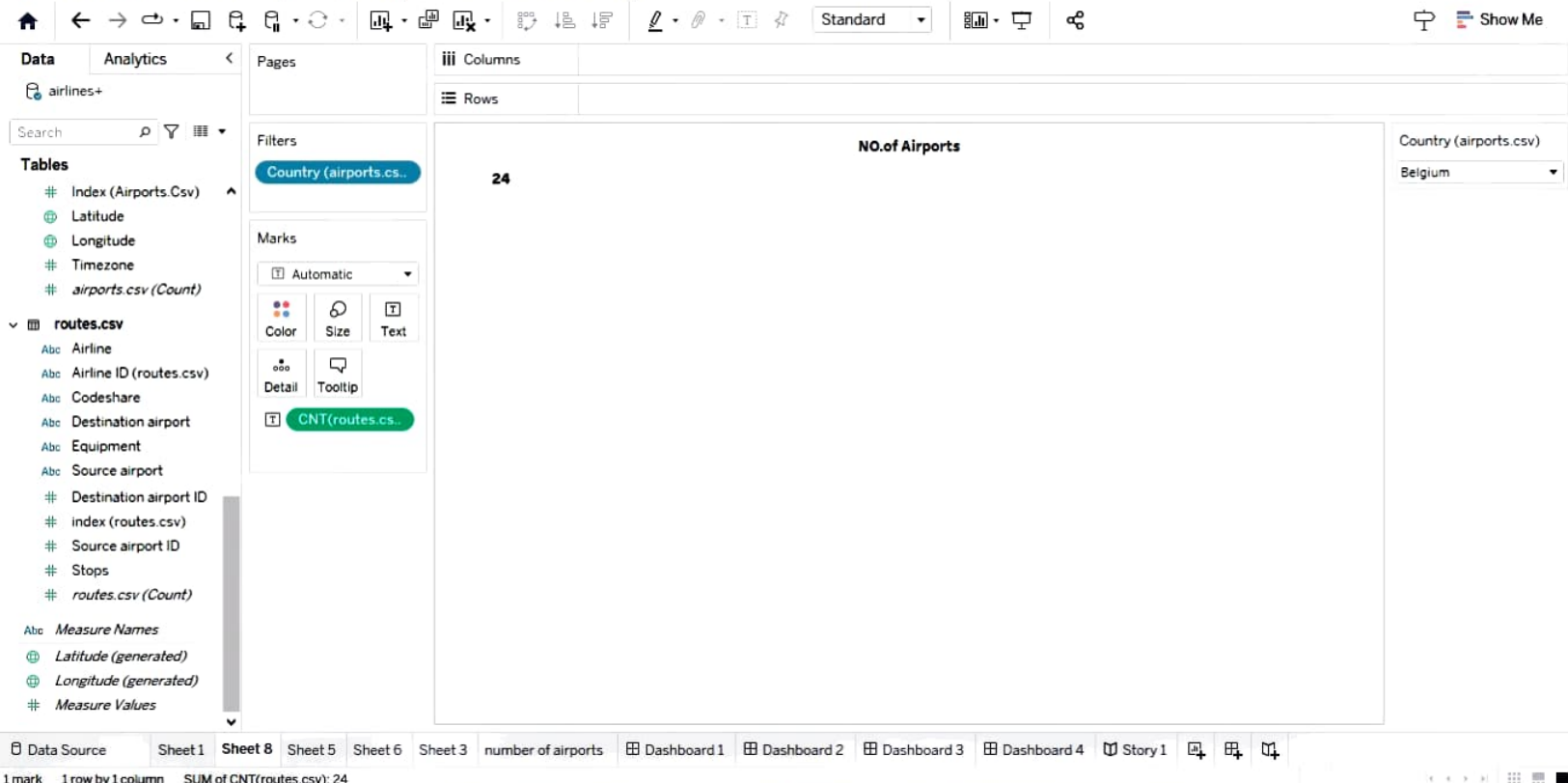
Sathiyapriya.G

Sivaprakasam.A











Dashboard Layout

Default

Phone

Device Preview

Size

Custom size (1000 x 500)

Sheets

- Sheet 4
- Sheet 5
- Sheet 6
- Sheet 3
- number of ...

Objects

- Horizontal Container
- Vertical Container
- Text
- Extension
- Ask Data
- Data Story
- Image
- Blank
- Workflow
- Web Page

airports at higher altitude within a country

Count of ro..	Name (airports.csv)	City	ICAO (airport..	
1	Tezpur Airport	Tezpur	VETZ	240
	Shimla Airport	Shimla	VISM	5,072
	Pasighat Airport	Pasighat	VEPG	477
	Nanded Airport	Nanded	VAND	1,250
	Mysore Airport	Mysore	VOMY	2,349
	Lokpriya Gopinath Bordol..	Guwahati	VEGT	162
	Kishangarh Airport	Ajmer	VIKG	0
	Jeypore Airport	Jeypore	VEJP	1,952
	HAL Airport	Bangalore	VOBG	2,912
	Gorakhpur Airport	Gorakhpur	VEGK	259
	Dimapur Airport	Dimapur	VEMR	487
	Adampur Airport	Adampur	VIAX	775

Country (airports.csv)

India

Country (airports.csv)

India

Number
of airports

148



Dash

Layout

Dev

P

review

Size

Desktop Browser (1000 x 8...

Sheets

- Sheet 4
- Sheet 8
- Sheet 5
- Sheet 6
- Sheet 3
- number of ...

Objects

- Horizontal Container
- Vertical Container
- Text
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Airlines within a country

Airline ID	Name	Icao	Callsign	
296	ATMA	AMA	ADIK	
297	Aerolineas Medellin	AMD	AEROLINEAS MEDELLIN	
298	Ameriflight	AMF	AMFLIGHT	
299	Air Libert	Null	Null	
300	Air Lithuania	KLA	KAUNAS	
301	Air Minas Linhas A	AMG	AIR MINAS	
302	Alan Mann Helicopters Ltd.	AMH	MANN	
303	Air Maldives	AMI	AIR MALDIVES	
304	Aviation Amos	AMJ	AVIATION AMOS	
305	Amerer Air	AMK	AMER AIR	
306	Air Malawi	AML	MALAWI	
307	Aeropotul International ..	AMM	AEROM	
308	Air Montenegro	AMN	MONTENEGRO	
309	Air Montreal (Air Holding..	AMO	AIR MONTREAL	
310	Aero Transporte S.A. (ATS..	AMP	ATSA	
311	Aeromedicare Ltd.	AMQ	LIFELINE	
312	Air Sicilia	Null	Null	
313	Air Specialties Corporation	AMR	AIR AM	
16437	Aerocontinente (Priv)	\N	Null	

Active

- ☒ (All)
- ☒ N
- ☒ Y

Country (airports.csv)

Belgium

Active

- ☒ N
- ☒ Y

**NO. of
Airports****24****Country (airports.csv)**

Belgium

Dashboard

Layout

Default

Phone

Device Preview

Size

Desktop Browser (1000 x 800)

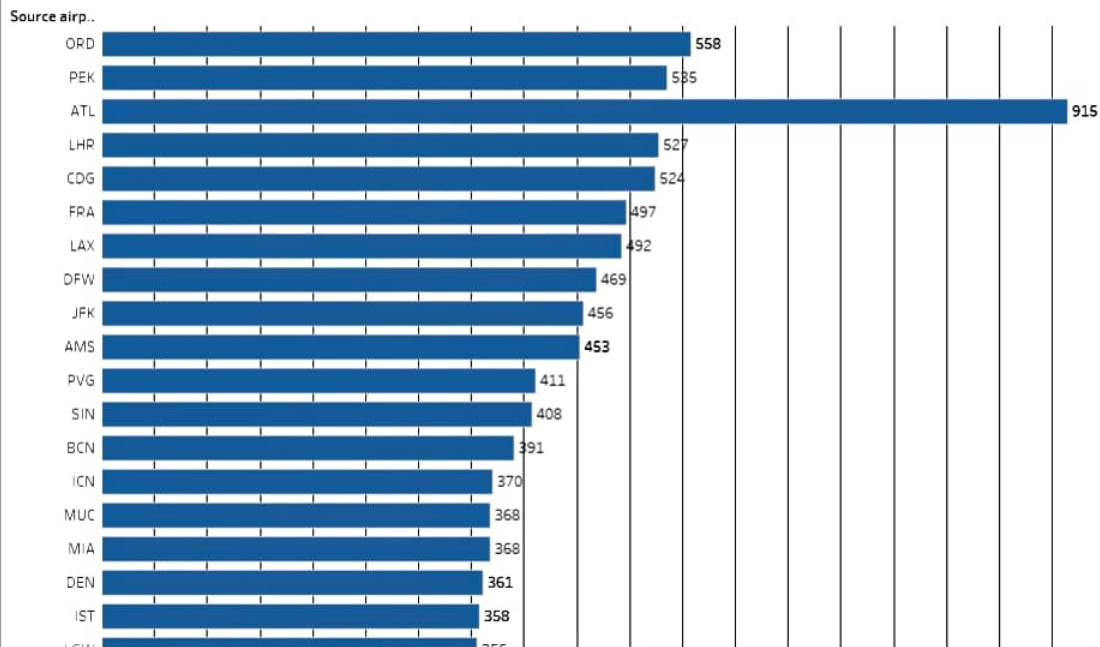
Sheets

- Sheet 4
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- number of ...

Objects

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Number of flights from airports



 Show Me

Story 1

World Map Showing Countries with details of airports Table Showing Airports which are at higher altitude within the Table Showing List of all Airlines within a country Bar Graphs Showing country in number of flights from airports

Duplicate

Sheet 1

India

NO.of
Airports

148

288 marks 1 row by 1 column SUM of AVG(Longitude): 23.025.60



Thank you

