

UNLOCKING INTO THE GLOBAL AIR INSIGHTS TRANSPORTATION NETWORK WITH TABLEAU

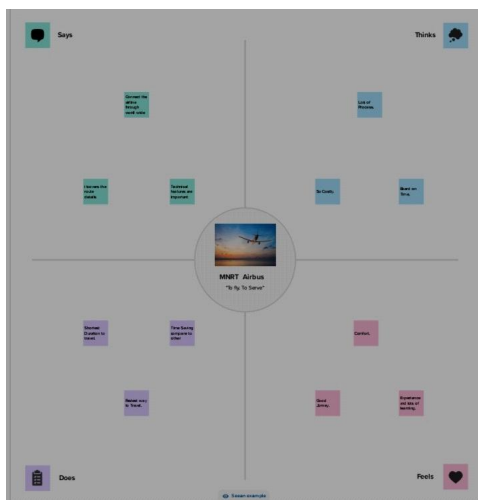
1.INTRODUCTION

1.1 overview

The air transport mode is defined by four basic elements: airlines, commercial transport aircraft, the air space used for their flights, and the infrastructure required to supporting their operations, like airports and ATM (Air Traffic Management).

2. PROBLEM DEFINITION&DESIGN THINKING

2.1 Empathy map



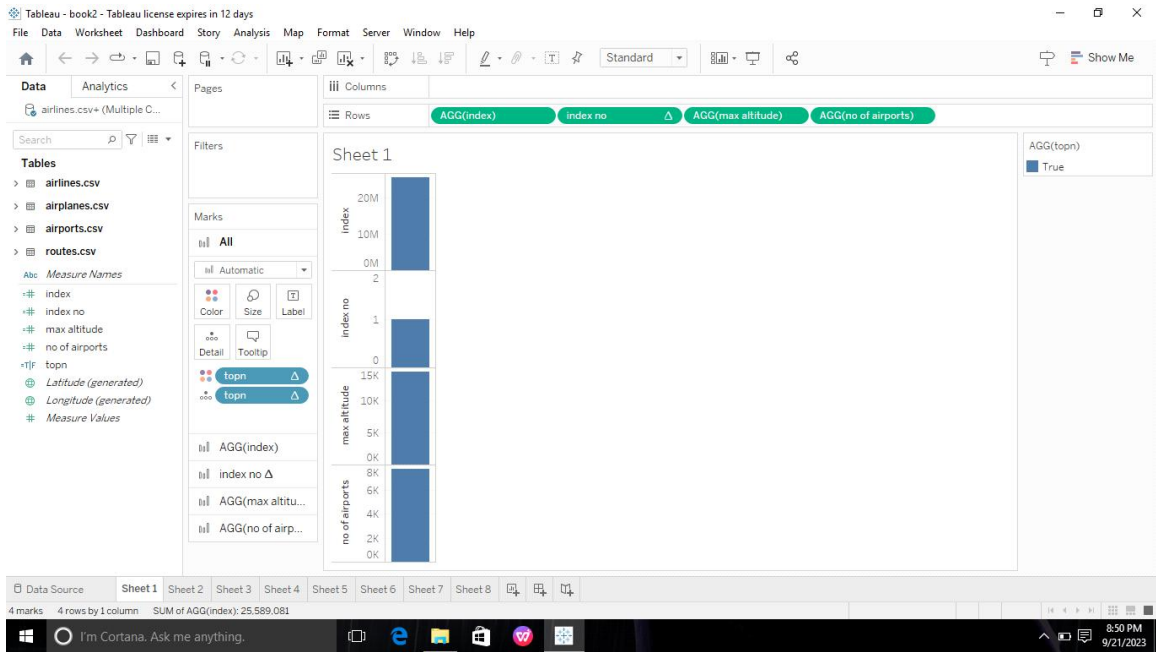
2.2 Ideation & Brainstroming map



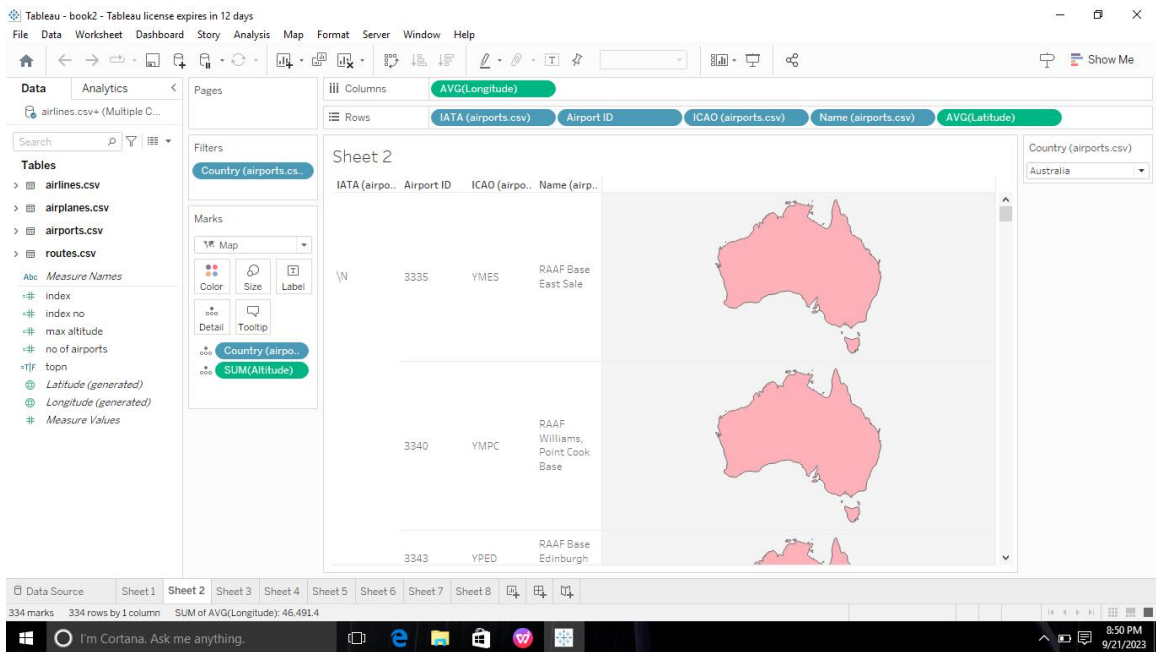
3.RESULT

3.1 Sheets

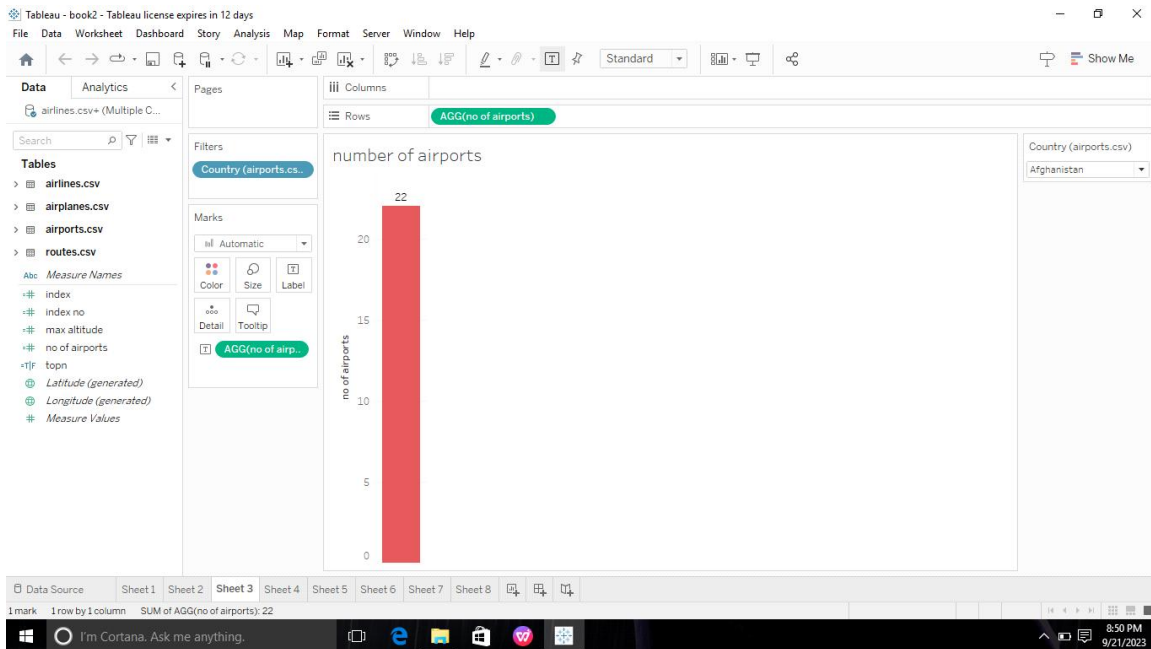
Sheet 1



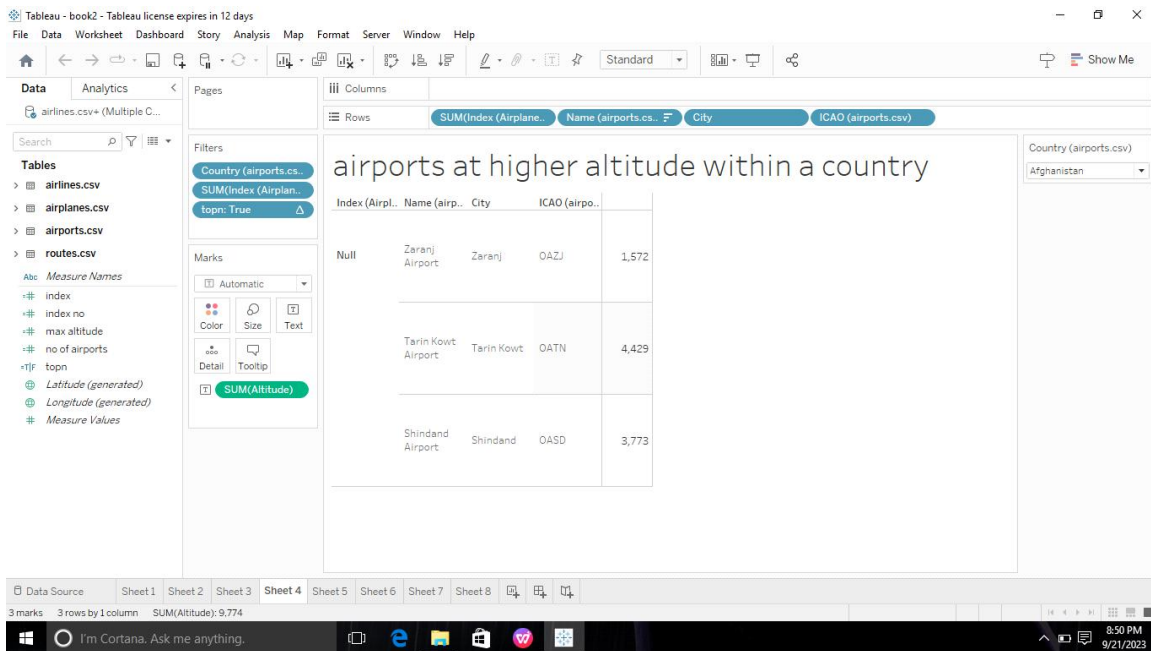
Sheet 2



Sheet 3



Sheet 4



Sheet 5

Tableau - book2 - Tableau license expires in 12 days

File Data Worksheet Dashboard Story Analysis Map Format Server Window Help

airlines.csv+ (Multiple C...

Search

Tables

- airlines.csv
- airplanes.csv
- airports.csv
- routes.csv

Measure Names

- index
- index no
- max altitude
- no of airports
- topn
- Latitude (generated)
- Longitude (generated)
- Measure Values

Filters

ICA0 (airports.csv)

Marks

SUM(Altitude)

Sheet 5

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	ZUCC	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

10 marks 10 rows by 1 column SUM(Altitude): 133,408

I'm Cortana. Ask me anything.

8:50 PM 9/21/2023

Sheet 6

Tableau - book2 - Tableau license expires in 12 days

File Data Worksheet Dashboard Story Analysis Map Format Server Window Help

airlines.csv+ (Multiple C...

Search

Tables

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Measure Names

- index
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- no of airports
- topn
- Latitude (generated)
- Longitude (generated)
- Measure Values

Filters

Country: Belgium

Marks

Active

Sheet 6

Airline ID	Name	Icao	Callsign	
15	Abelag Aviation	AAB	ABG	
271	Allied Command Europe (Mobile Force)	ALF	ACEFORCE	
538	ASL	XXX	Null	
634	Airventure	RVE	AIRVENTURE	
1346	Belgian Air Force	BAF	BELGIAN AIRFORCE	
1373	Belgian Army	AYB	BELGIAN ARMY	
1428	Belgavia	BLG	BELGAVIA	
1515	Brussels International Airlines	BXI	XENIA	
1531	Brussels Airlines	DAT	BEE-LINE	

Country: Belgium

Active

N

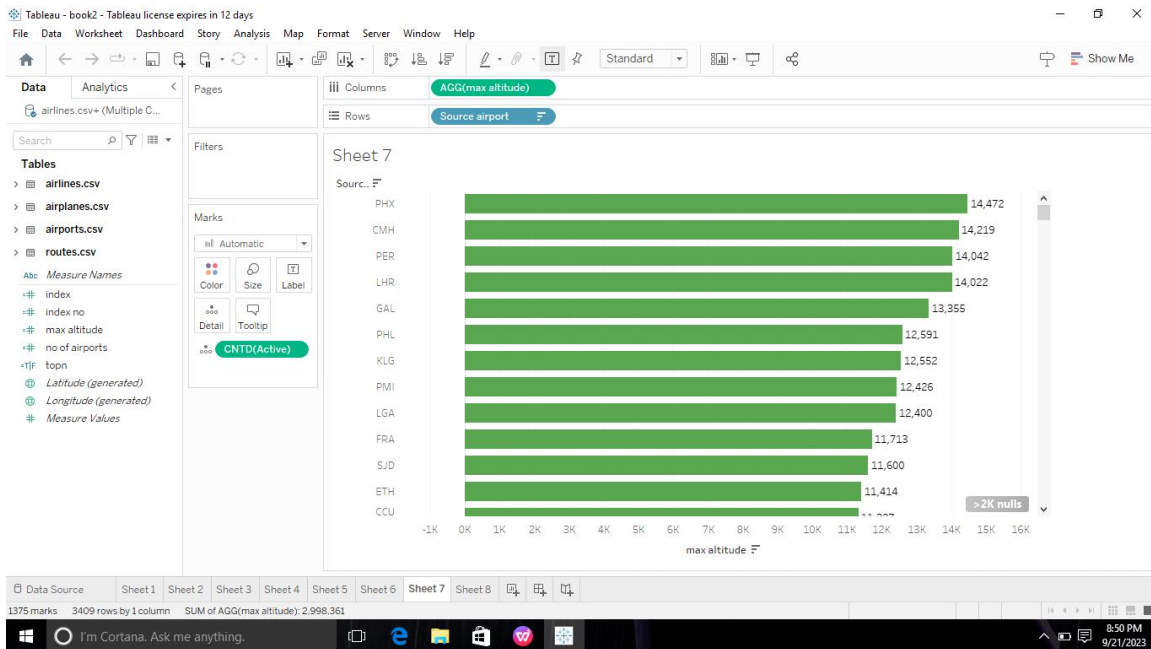
Y

27 marks 27 rows by 1 column

I'm Cortana. Ask me anything.

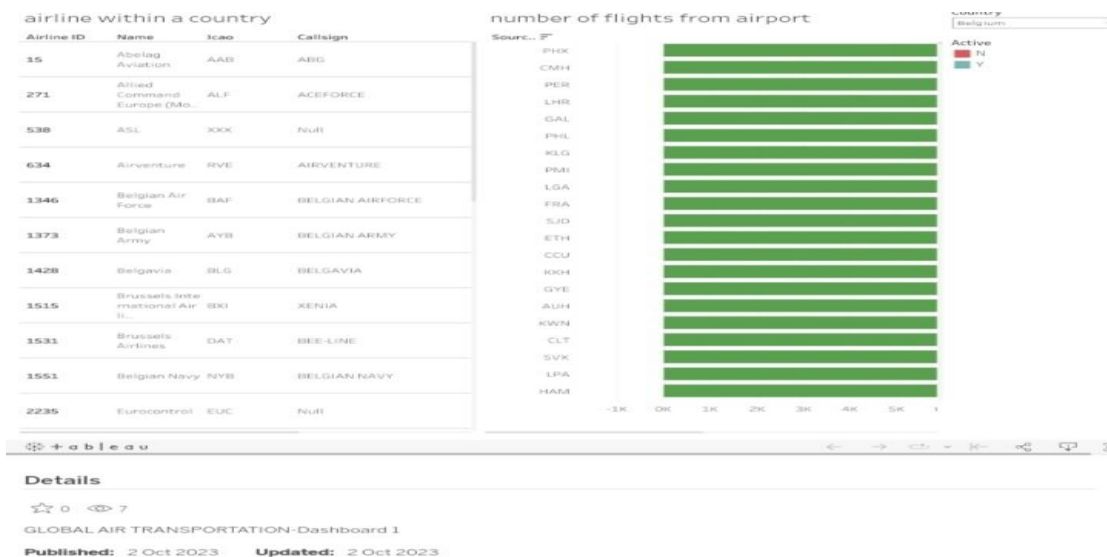
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Sheet 7



3.2 Dashboards

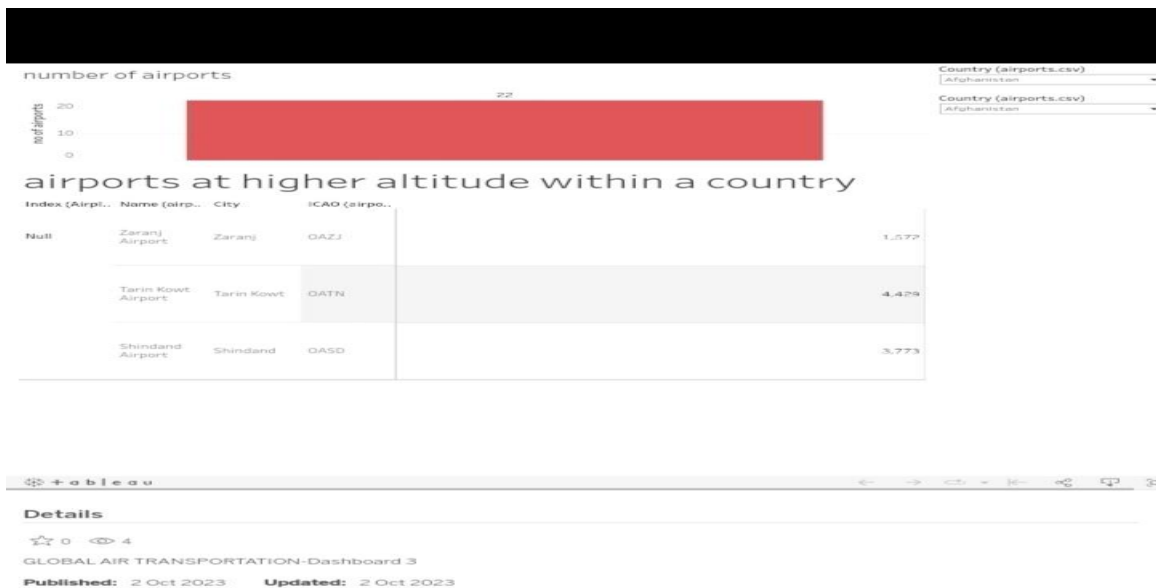
Dashboard 1



Dashboard 2



Dashboard 3

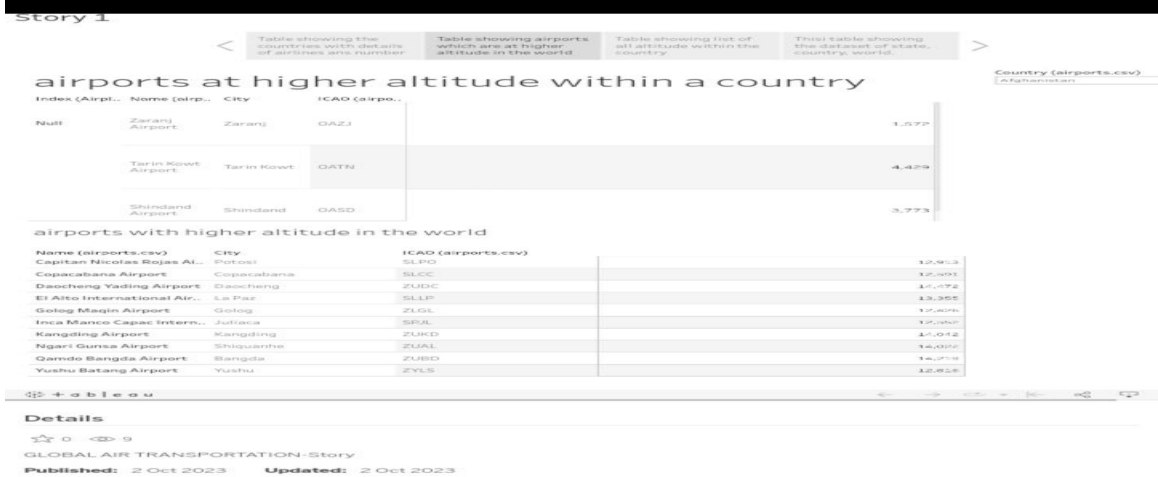


Dashboard 4



3.2 Story

Story 1



Advantages of Air Transport

1. High speed : Air is the type of freight capable of traveling long distances in short period of time. This makes this model an optimum choice if the client has a urgent need to ship a product or if their freight demands special standards of production or acclimation. It is the quickest transport mode and is therefore ideal for long-distance transport of goods. It takes less time.
2. Fast service: Air transportation offers convenient, reliable and fast services of transport. It is considered the cheapest way to ship peregrinated goods. It offers a standard, convenient, reliable and fast service.
3. High standard of security: High standard of protection with a low risk of robbery and injury. Shipping by air has a high degree of security since airport safety restrictions on cargo are strictly enforced. Tightly controlled airport controls also minimize cargo theft and loss.

Disadvantages of Air Transport

1. Risky: Air travel is the riskiest mode of transport, since there can be considerable losses to goods, customer and crews as a result of a minor crash. Compared to other means of travel, the risks of collisions are higher.
2. Cost: Air travel is considered to be the most expensive means of transportation. The cost of maintaining aircraft is higher and the costs for the building of aerodromes and avions are much higher. That's why air travel is so expensive that it gets beyond ordinary people's grasp.
3. Capacity for small carriage: The aircraft have no room and therefore are not ideal for carriage of voluminous and cheaper materials. As is seen for rails, the load volume cannot be raised.

Conclusion

We are covered the details about air transport within dashboards, and story in above the given sheets.

Scope

aims to make flying easy for everyone.