

The background of the slide is a light gray gradient with several realistic water droplets of various sizes scattered across it, some with highlights and shadows.

WELCOME TO MY **PROJECT**

**UNLOCKING INSIGHTS INTO THE GLOBAL
AIR TRANSPORTATION NETWORK**



TEAM MEMBERS

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T.PRADEEPA

B.SWETHA

S.VISHALDEVI

M.SANTHIYA



MY TEAM DETAILS

1	PRADEEPA T.	509237F185D475E99464 C01999246DF2	TEAM LEADER
2	VISHALDEVI S.	0A0581E01296873A7494 14E65E2A9076	MEMBER
3	SWETHA B.	9961232D798703CA8DE 44C779DA25A1A	MEMBER
4	SANTHIYA M.	77FB28BFC7F4B31B291 42AA582190385	MEMBER



Unlocking Insights Into The Global Air Transportation Network With Tableau.

- **THIS GLOBAL AIR TRANSPORTATION NETWORK DATASET IS A COMPREHENSIVE COLLECTION OF INFORMATION ON AIRPORTS, AIRLINES AND THEIR ROUTES.**
- 

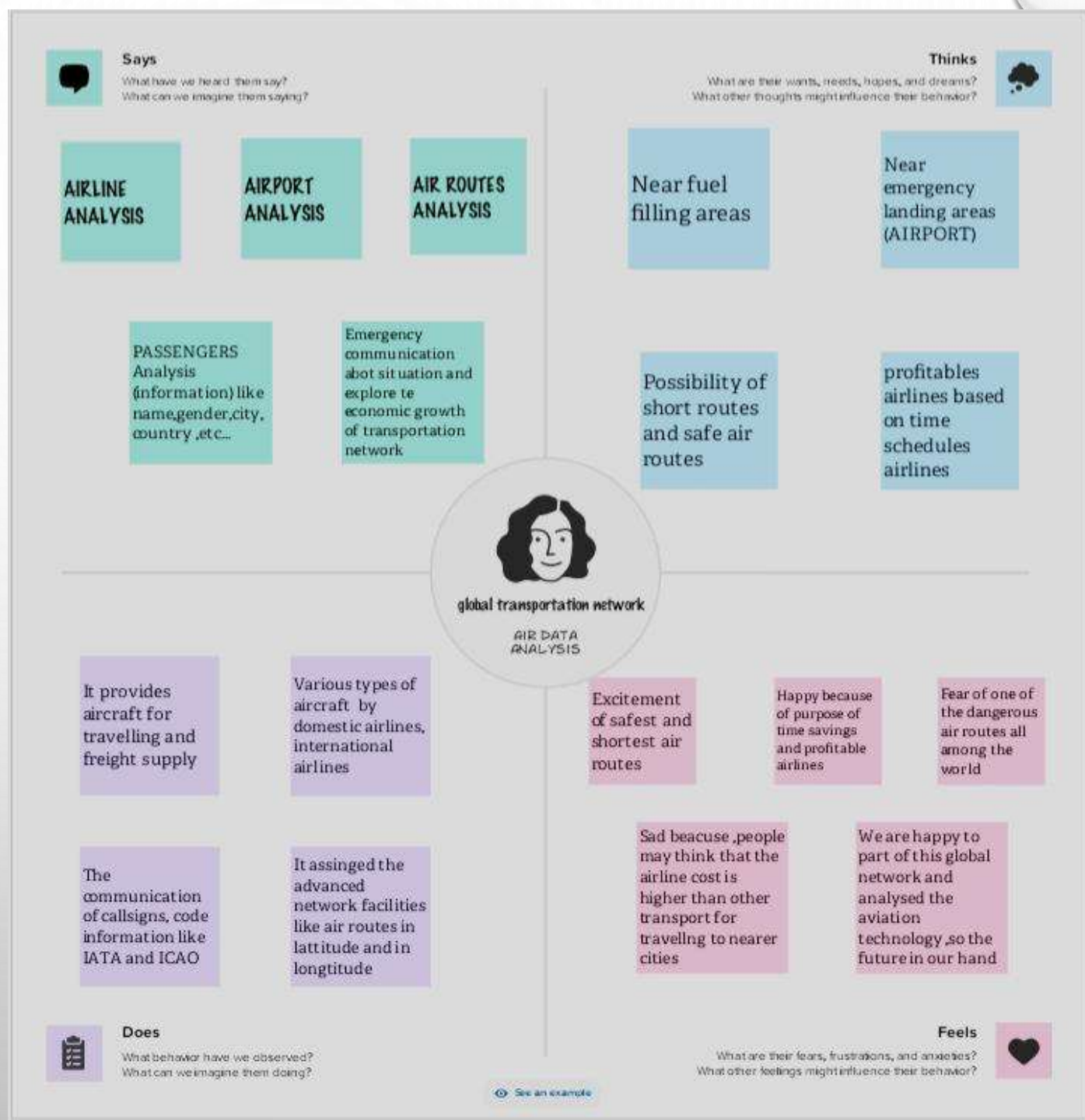
PROJECT DESCRIPTION:

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.

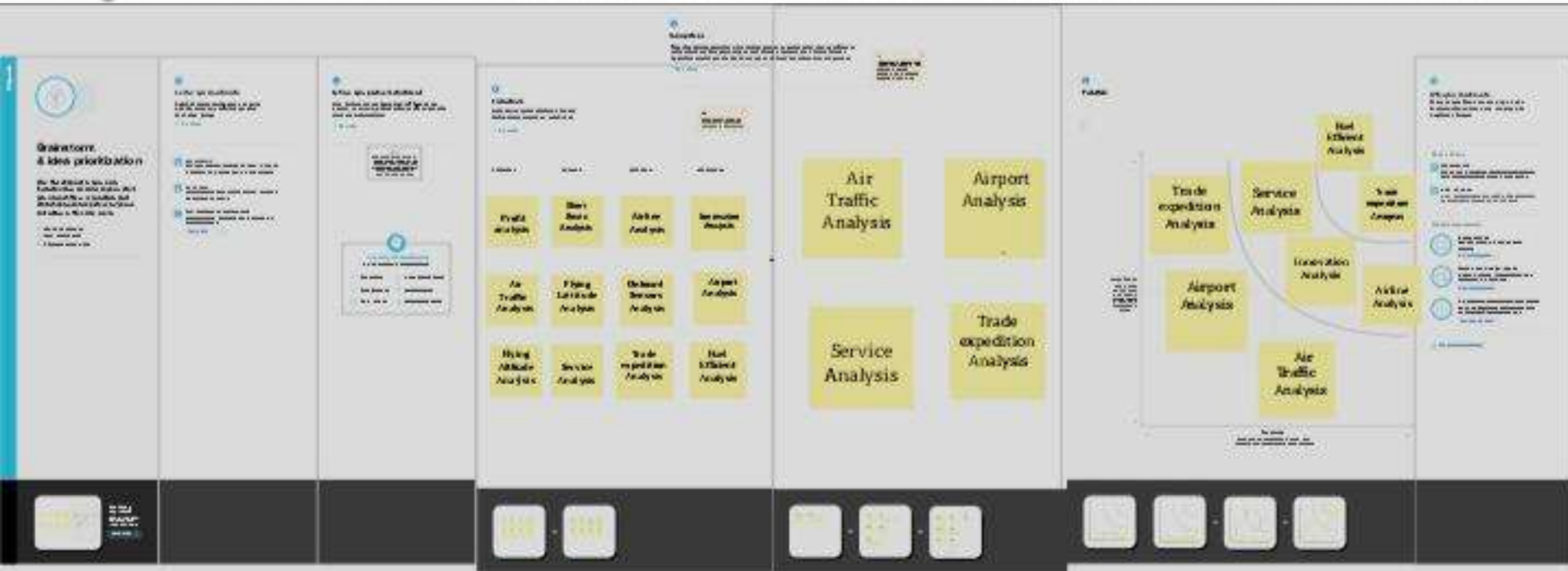
PURPOSE

- 1. Companies in the aviation industry are sought-after employers for workers with a wide variety of professional qualifications. Beyond this, air transport also secures employment and value creation in Germany as a business location. This is because air transport connects people and markets worldwide.***
- 2. Air transport allows people from different countries to cross international boundaries and travel other countries for personal, business, medical, and tourism purposes.***

EMPATHY MAP



BRAINSTORMING MAP



Pages

Columns

Longitude (generated)

Rows

Latitude (generated)

Filters

Country (airports.cs..

Marks

Automatic

Color

Size

Label

Detail

Tooltip

Country (airpo..

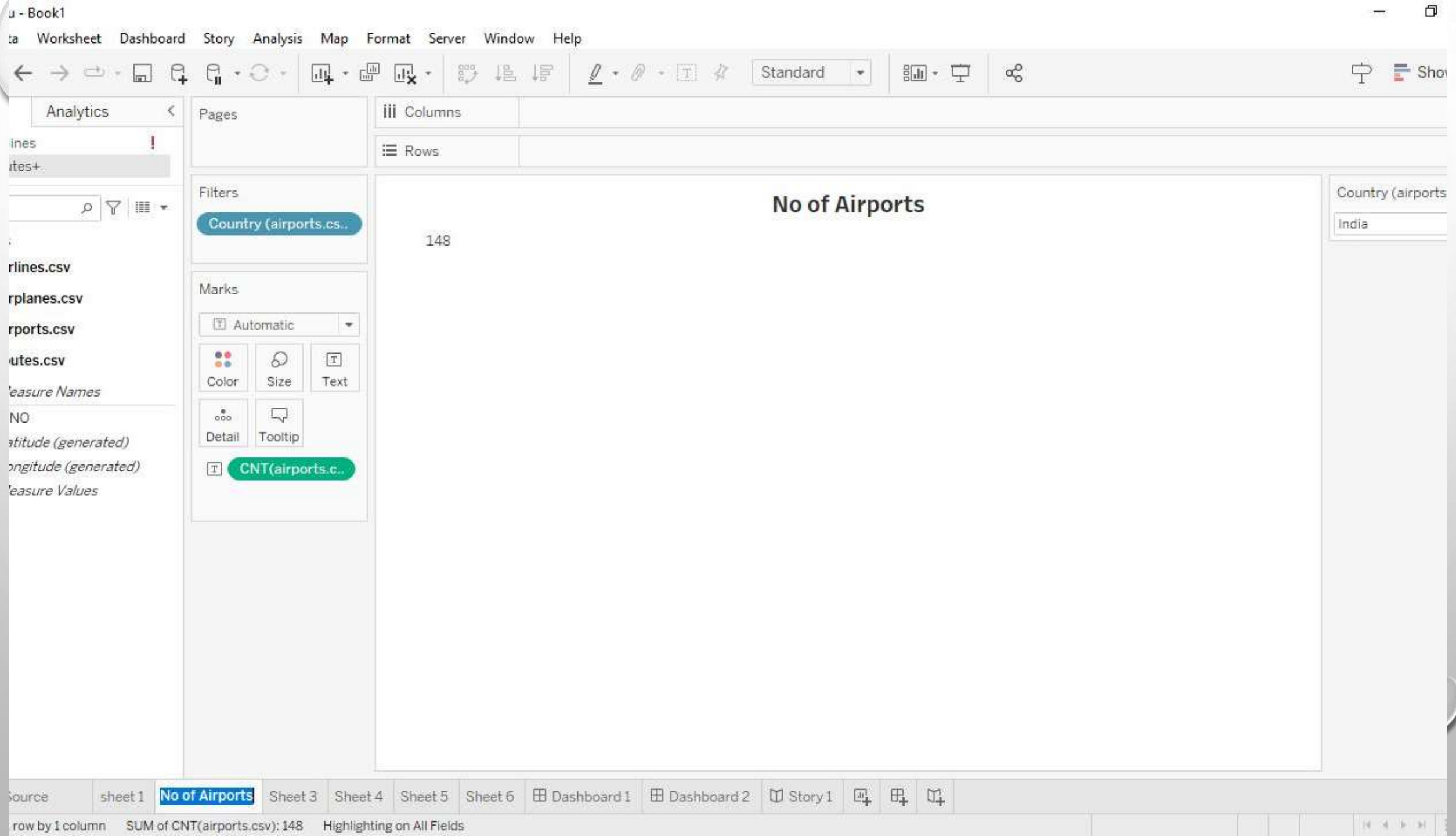
CNT(airports.c..

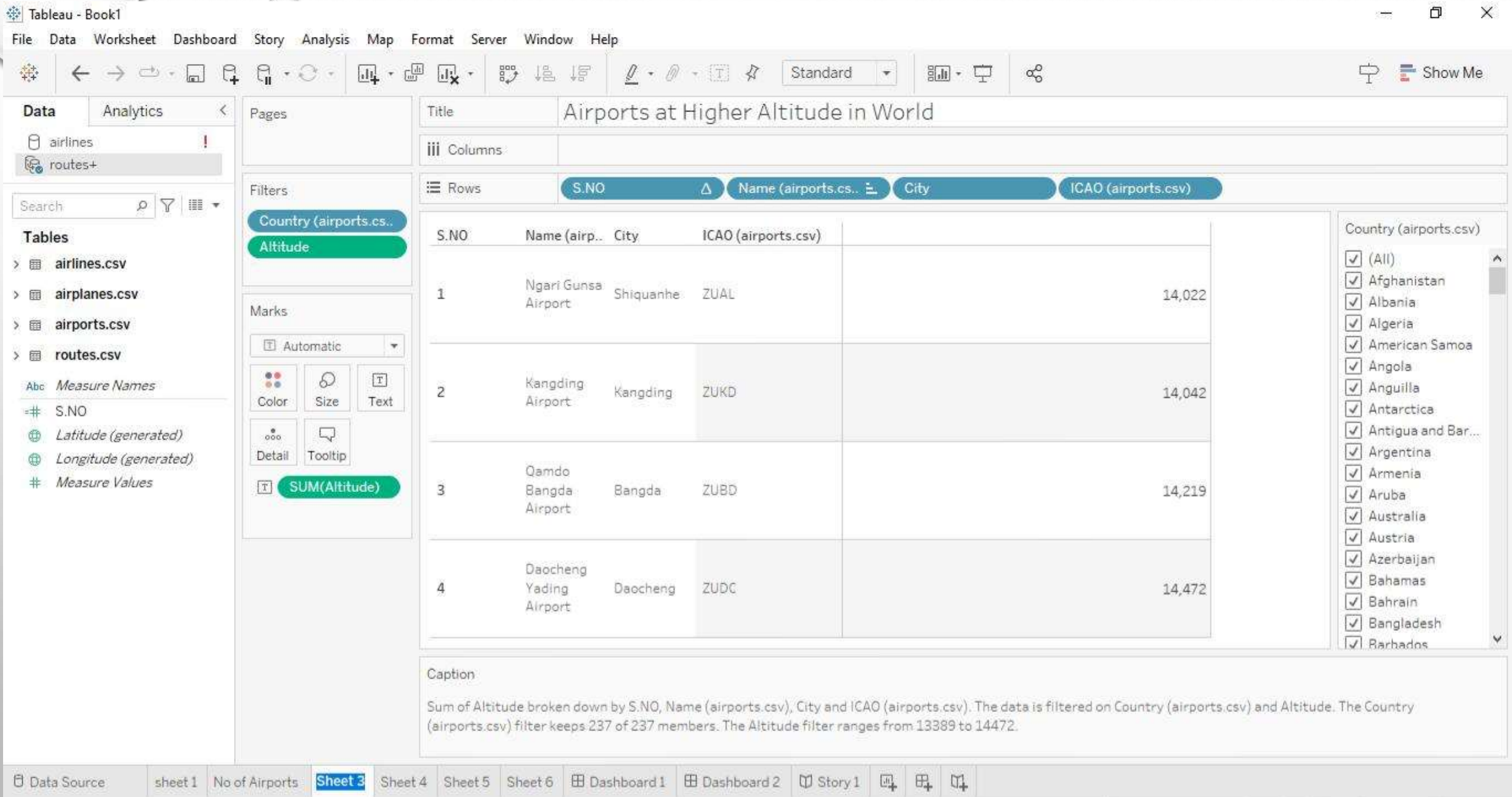
World Map

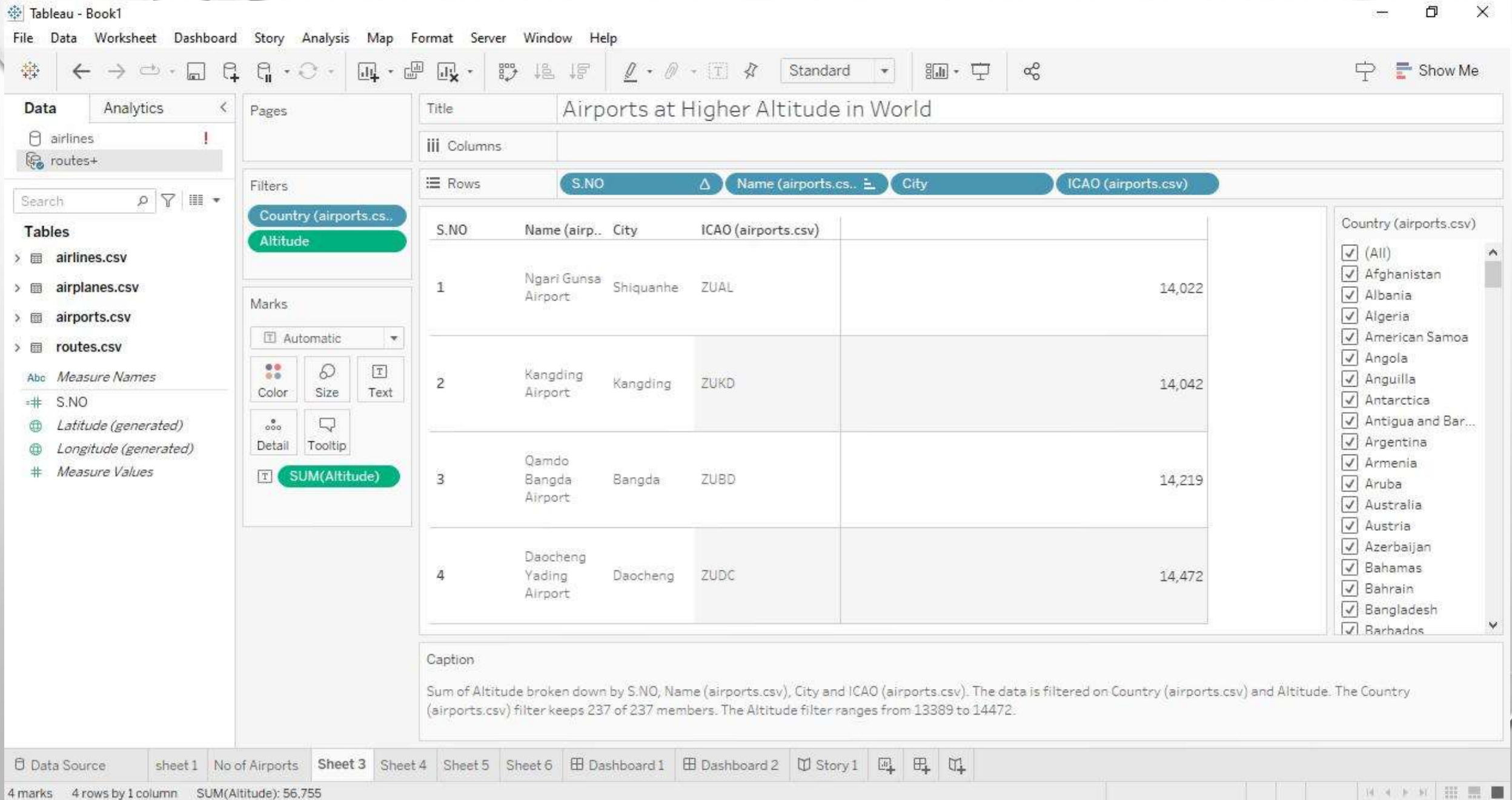


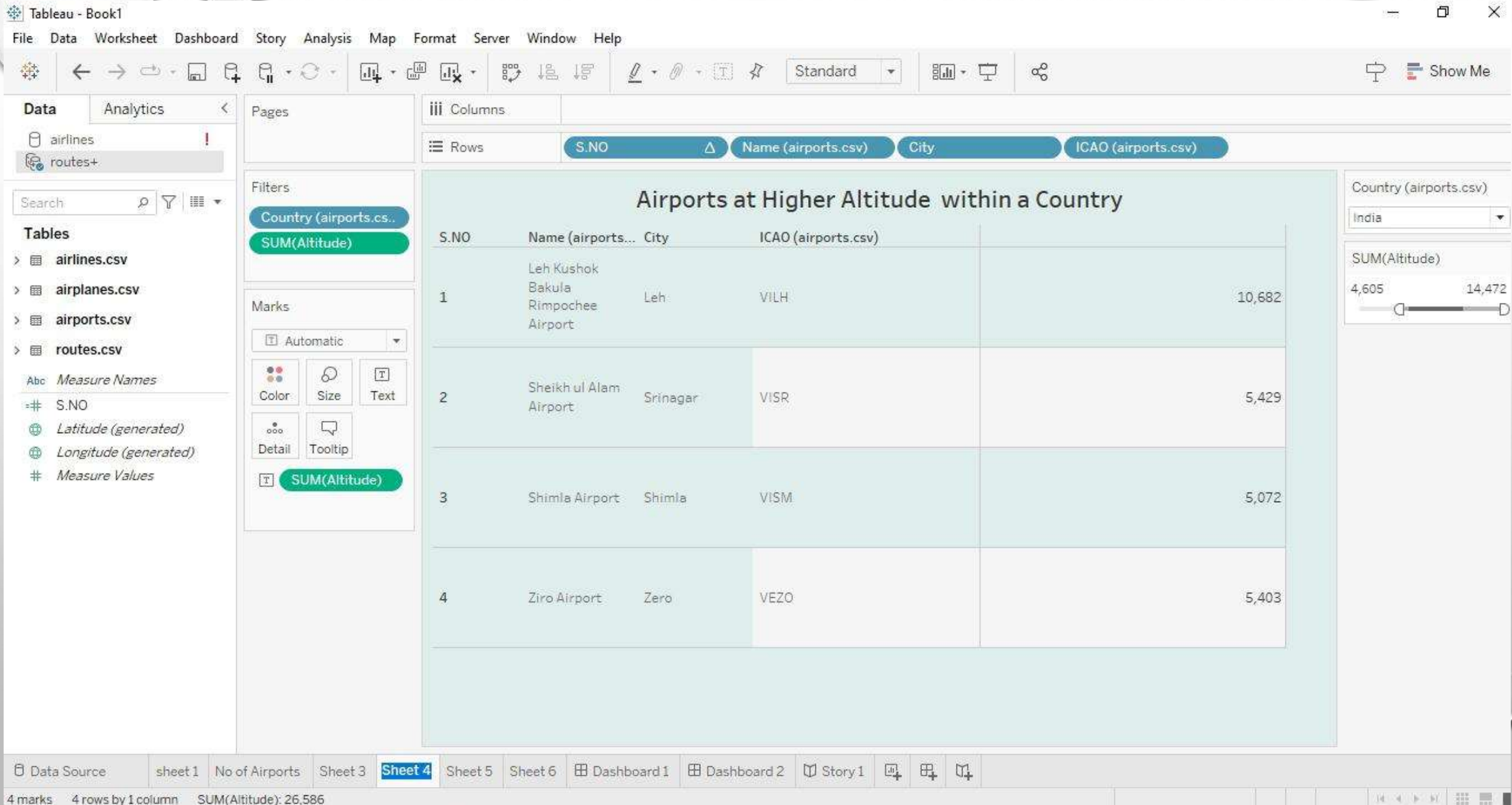
Country (airports.csv)

- Afghanistan
- Albania
- Algeria
- American Samoa
- Angola
- Anguilla
- Antarctica
- Antigua and Barb..
- Argentina
- Armenia
- Aruba
- Australia
- Austria
- Azerbaijan
- Bahamas
- Bahrain
- Bangladesh
- Barbados
- Belarus
- Belgium
- Belize
- Benin
- Bermuda
- Bhutan











Standard



Show Me

Data

Analytics



airlines



routes+

Search



Tables

> airlines.csv

> airplanes.csv

> airports.csv

> routes.csv

Abc Measure Names

S.NO

Latitude (generated)

Longitude (generated)

Measure Values

Pages

Columns

Rows

Airline ID (airlines.csv)

Name (airlines.csv)

Icao

Callsign

Filters

Country: Austria

Active

Marks

Automatic



Color



Size



Label



Detail



Tooltip



Active



Active



Active

Airlines within a Country

Airline ID (a..	Name (airlines.csv)	Icao	Callsign	
3239	Lauda Air	LDA	LAUDA AIR	
3318	Luftfahrt-Vermiet..	LVD	AIR SANTE	
3347	MAP-Management..	MPJ	MAPJET	
3368	Magna Air	MGR	MAGNA AIR	
3379	Mali Air	MAE	MALI AIREXPRESS	
3661	Niki	NLY	FLYNIKI	
4142	Rath Aviation	RAQ	RATH AVIATION	
4518	Styrian Airways	STY	STYRIAN	
4908	Teamline Air	TLW	Teamline	
4964	Tyrolean Jet Service	TJS	TYROLJET	
5003	Transped Aviation	TNP	TRANSPED	
5021	Top Speed	TPD	TOP SPEED	
5118	Tyrol Air Ambulance	TYW	TYROL AMBULANCE	
5342	VIF Luftahrt	VIF	VIENNA FLIGHT	
5401	Welcome Air	WLC	WELCOMEAIR	
6856	Rheintalflug	RTL	Rheintal	
8434	Robin Hood Aviati..	RHA	Sherwood	
10122	Salzburg arrows	\N	SZA	
14679	ConneX European ..	2CO	ConneX	
16921	Comtel Air	COE	Null	
17989	Air Alps Aviation (...)	\N	ALPAV	

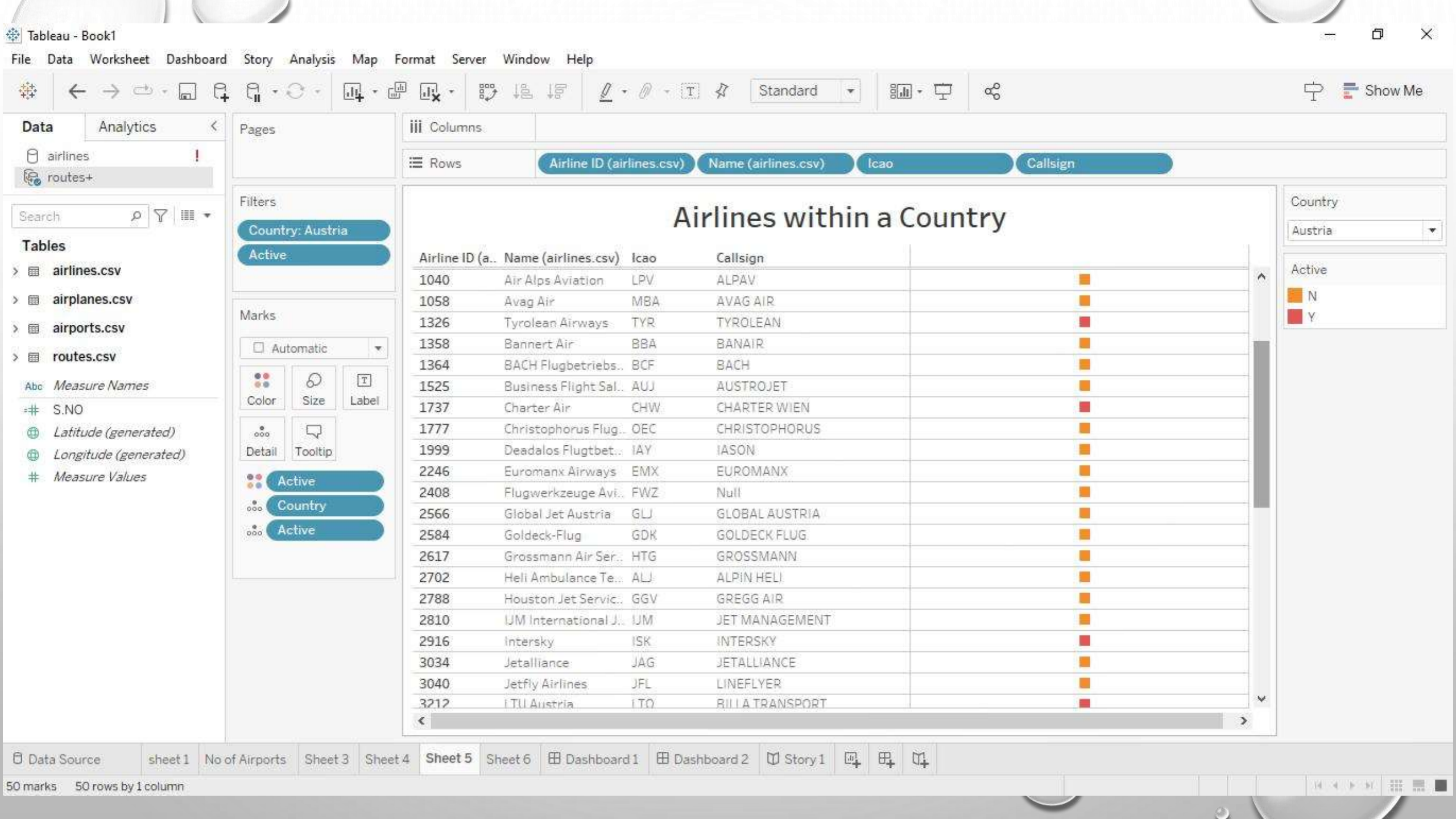
Country

Austria

Active

N

Y



Data Analytics

airlines

routes+

Search

Tables

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

Measure Names

- S.NO
- Latitude (generated)
- Longitude (generated)
- Measure Values

Pages

Filters

Country (airports.csv): ..

CNT(airlines.csv)

Marks

Automatic

Color Size Label

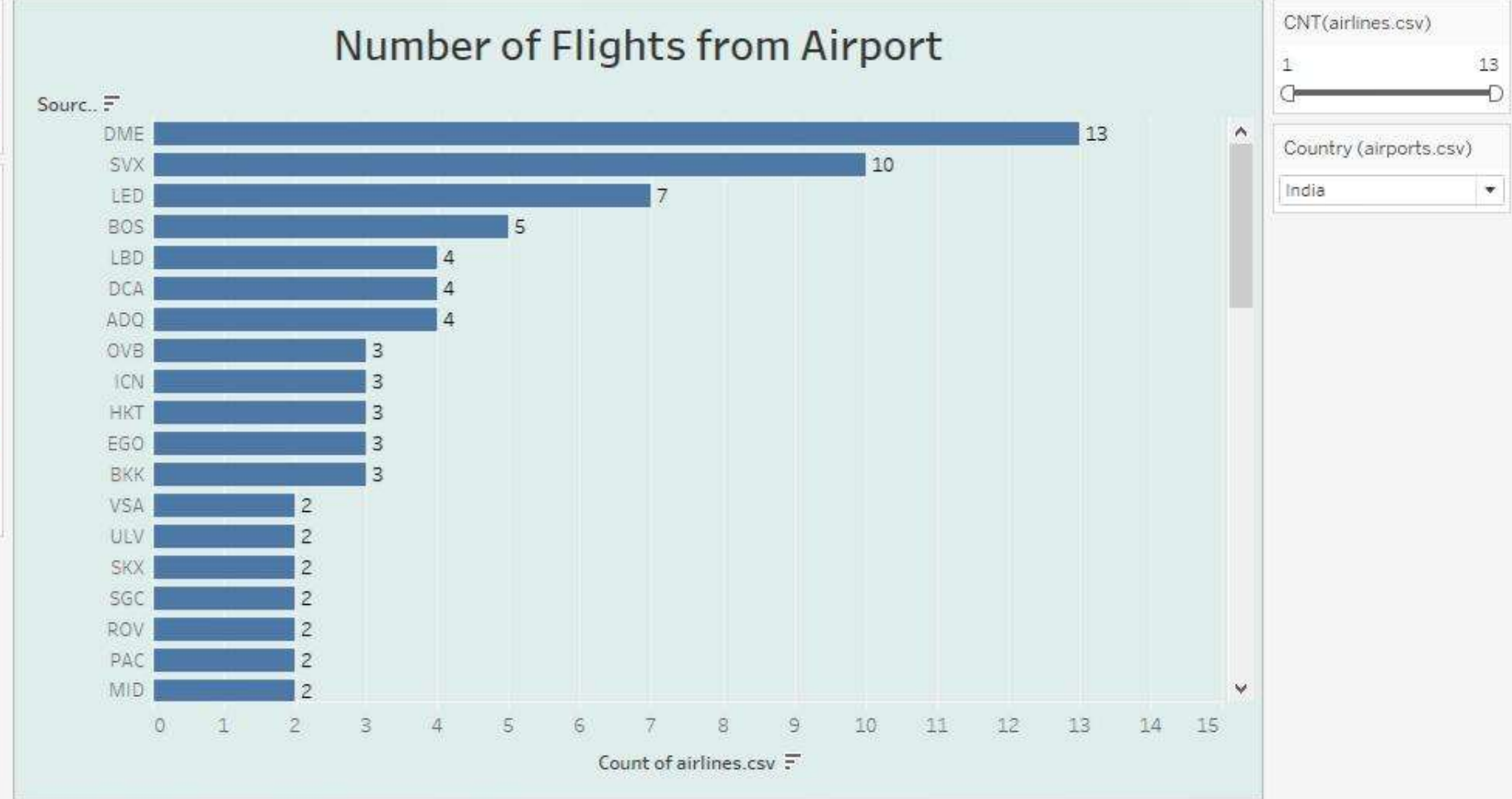
Detail Tooltip

CNT(airlines.csv)

CNT(airlines.csv)

Columns CNT(airlines.csv)

Rows Source airport

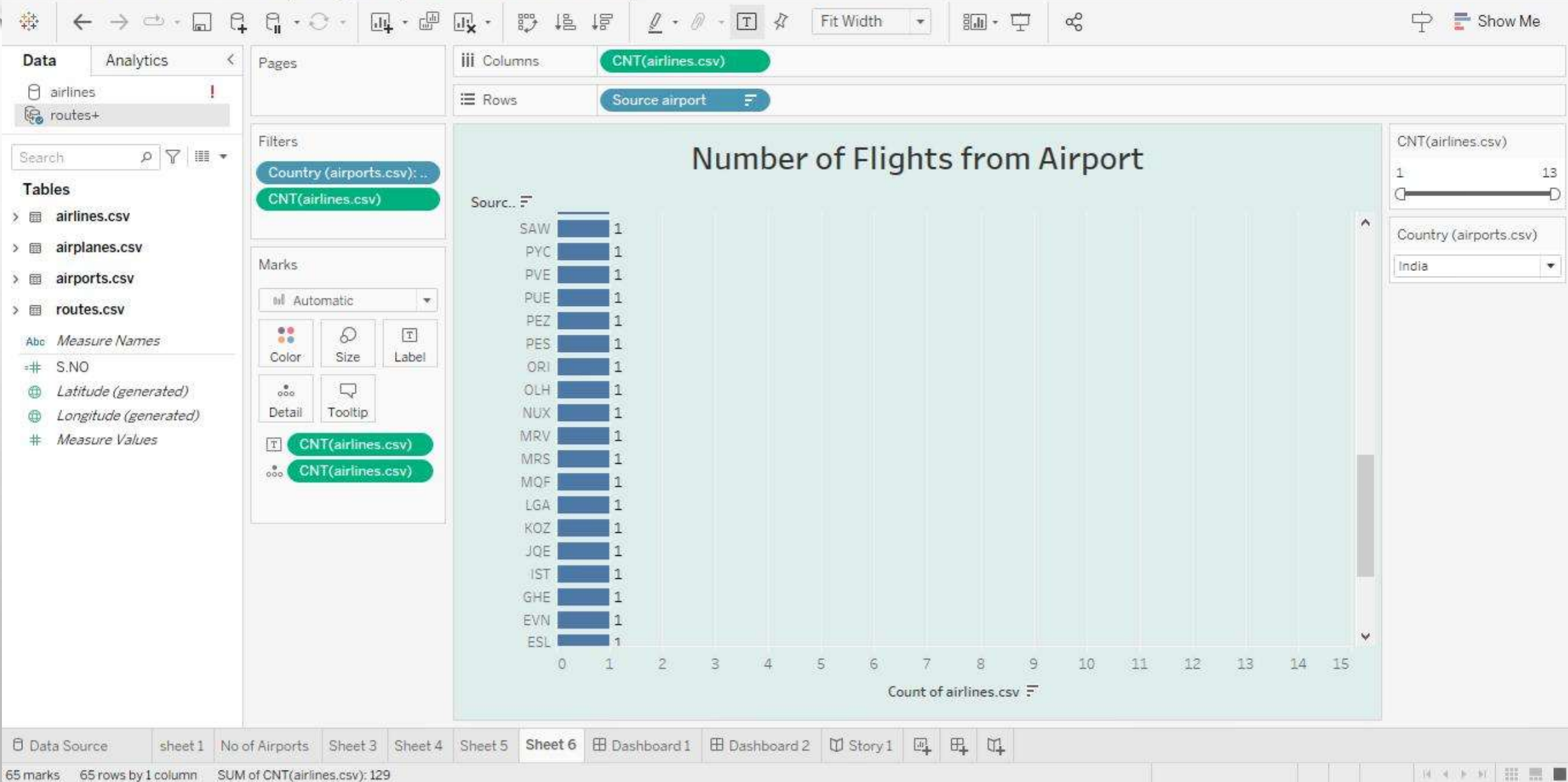


CNT(airlines.csv)

1 13

Country (airports.csv)

India





Dashboard

Layout

Default

Phone

Device Preview

Size

Desktop Browser (1000 x 800)

Sheets

- sheet 1
- No of Airports
- Sheet 3
- Sheet 4
- Sheet 5
- Sheet 6

Objects

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

Airport at Higher Altitude in World and Country

Airports at Higher Altitude in World

S.NO	Name (airp...	City	ICAO (airports.csv)
2	Kangding Airport	Kangding	ZUKD
3	Qamdo Bangda Airport	Bangda	ZUBD
4	Daocheng Yading Airport	Daocheng	ZUDC

Airports at Higher Altitude within a Country

S.NO	Name (airports...	City	ICAO (airports.csv)
2	Sheikh ul Alam Airport	Srinagar	VISR
3	Shimla Airport	Shimla	VISM

Country (ai.. India

Altitude 4,605 ————— 14,472

Airlines within a Country

Airline ID (a..	Name (airli..	Icao	Callsign
1999	Deadalos Fl..	IAV	IASON
2246	Euromanx A..	EMX	EUROMANX
2408	Flugwerke..	FWZ	Null
2566	Global Jet A..	GLJ	GLOBAL AUSTRIA
2584	Goldeck-Flug	GDK	GOLDECK FLUG
2617	Grossmann ..	HTG	GROSSMANN
2702	Heli Ambul..	ALJ	ALPIN HELI
2788	Houston Je..	GGV	GREGG AIR
2810	IJM Interna..	IJM	JET MANAGEMEN
2916	Intersky	ISK	INTERSKY
3034	Jetalliance	JAG	JETALLIANCE
3040	Jetfly Airlin..	JFL	LINEFLYER
3212	LTU Austria	LTO	BILLA TRANSPORT
3239	Lauda Air	LDA	LAUDA AIR
3318	Luftfahrt-V..	LVD	AIR SANTE
3347	MAP-Mana..	MPJ	MAPJET
3368	Magna Air	MGR	MAGNA AIR
3379	Mali Air	MAE	MALI AIREXPRESS
3661	Niki	NLY	FLYNIKI
3142	Swire Asia	SAC	BATHAULTION

Data Source

sheet 1

No of Airports

Sheet 3

Sheet 4

Sheet 5

Sheet 6

Dashboard 1

Dashboard 2

Story 1

 Show Me

Airline ID (a..	Name (airli..	Icao	Callsign
235	Avia Consul..	AJF	AVIACONSULT
305	Amerer Air	AMK	AMER AIR
491	Austrian Ai..	AUA	AUSTRIAN
629	Amira Air	XPE	EXPERT
895	ABC Bedars...	FTY	FLY TYROL
972	Airlink	JAR	AIRLINK
989	Aero Charte..	KFK	KRIFKA AIR
1040	Air Alps Avi..	LPV	ALPAV
1058	Avag Air	MBA	AVAG AIR
1326	Tyrolean Ai..	TYR	TYROLEAN
1358	Bannert Air	BBA	BANAIR
1364	BACH Flugb..	BCF	BACH
1525	Business Fli..	AUJ	AUSTROJET
1737	Charter Air	CHW	CHARTER WIEN
1777	Christophor..	OEC	CHRISTOPHORUS
1999	Deadalos Fl..	IAY	IASON
2246	Euromanx A..	EMX	EUROMANX
2408	Flugwerkze..	FWZ	Null
2566	Global Jet A..	GLJ	GLOBAL AUSTRIA
2584	Golddeck Flug	GDK	GOLDBECK FLUG



Standard



Show Me

Dashboard

Layout

Default

Phone

Device Preview

Size

Desktop Browser (1000 x 800)

Sheets

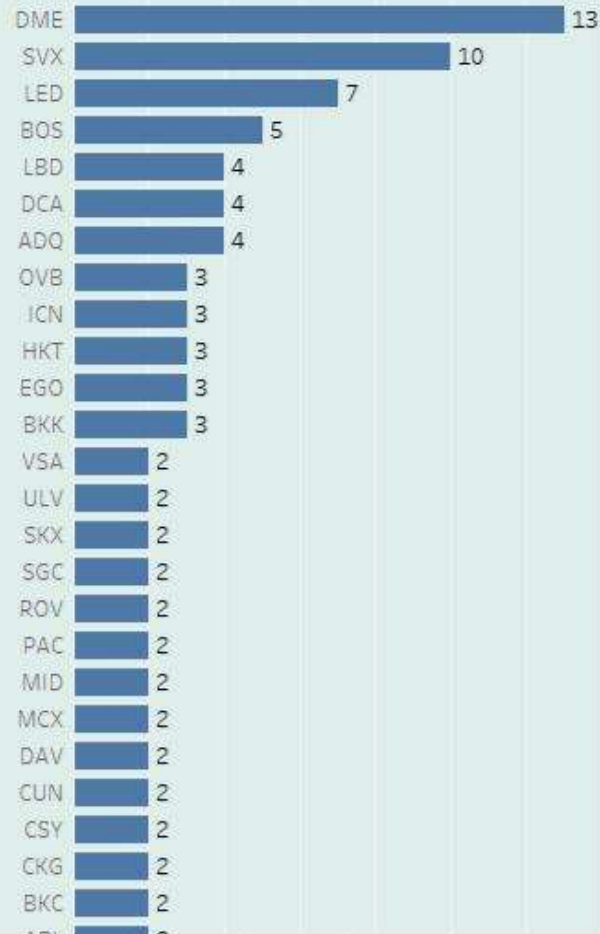
- sheet 1
- No of Airports
- Sheet 3
- Sheet 4
- Sheet 5
- Sheet 6

Objects

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

Number of Flights from Airport

Source



World Map



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4 unknown

No of Airports

148

Count of airlines.csv



Country (airports.csv)

India

Country (airports.csv)

- Afghanistan
- Albania
- Algeria
- American Samoa
- Angola
- Anguilla
- Antarctica
- Antigua and Barb...
- Argentina
- Armenia
- Aruba
- Australia
- Austria
- Azerbaijan
- Bahamas
- Bahrain
- Bangladesh
- Barbados
- Belarus
- Belgium
- Belize
- Benin

Data Source

sheet 1

No of Airports

Sheet 3

Sheet 4

Sheet 5

Sheet 6

Dashboard 1

Dashboard 2

Story 1



Dashboard

Layout



Default

Phone

Device Preview

Size

Desktop Browser (1000 x 800)

Sheets

- sheet 1
- No of Airports
- Sheet 3
- Sheet 4
- Sheet 5
- Sheet 6

Objects

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

Number of Flights from Airport

Source	Count
KUV	2
PAC	2
MID	2
MCX	2
DAV	2
CUN	2
CSY	2
CKG	2
BKC	2
ABL	2
VOG	1
VKT	1
VER	1
URJ	1
URC	1
UFA	1
SJO	1
SIC	1
SHX	1
SHJ	1
SCW	1
SAX	1
SAW	1
PYC	1
PVE	1
PUE	1

World Map



© 2023 Mapbox © OpenStreetMap

4 unknown

No of
Airpo
rts

148

Count of airlines.csv



Country (airports.csv)

India

Country (airports.csv)

- Cook Islands
- Costa Rica
- Cote d'Ivoire
- Croatia
- Cuba
- Cyprus
- Czech Republic
- Denmark
- Djibouti
- Dominica
- Dominican Republic
- East Timor
- Ecuador
- Egypt
- El Salvador
- Equatorial Guinea
- Eritrea
- Estonia
- Ethiopia
- Falkland Islands
- Faroe Islands
- Fiji



Story

Layout

New story point

Blank

Duplicate

- sheet 1
- No of Airports
- Sheet 3
- Sheet 4
- Sheet 5
- Sheet 6
- Dashboard 1
- Dashboard 2

A Drag to add text

☒ Show title

Size

Story (1016 x 964)

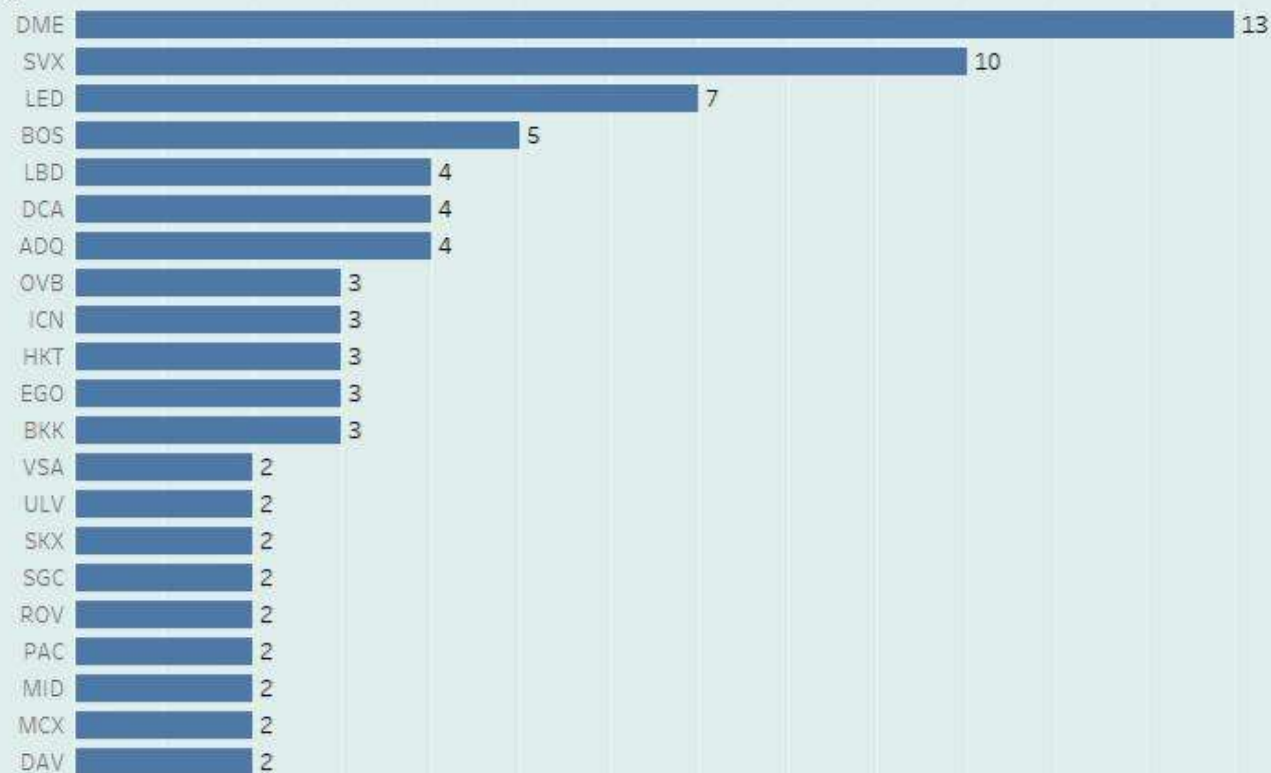
Story 1

World Map

No. of Airports

Airports at Higher
Altitude in WorldAirports at Higher
Altitude within a
CountryAirlines within a
CountryNumber of Flights
from Airport

Source...

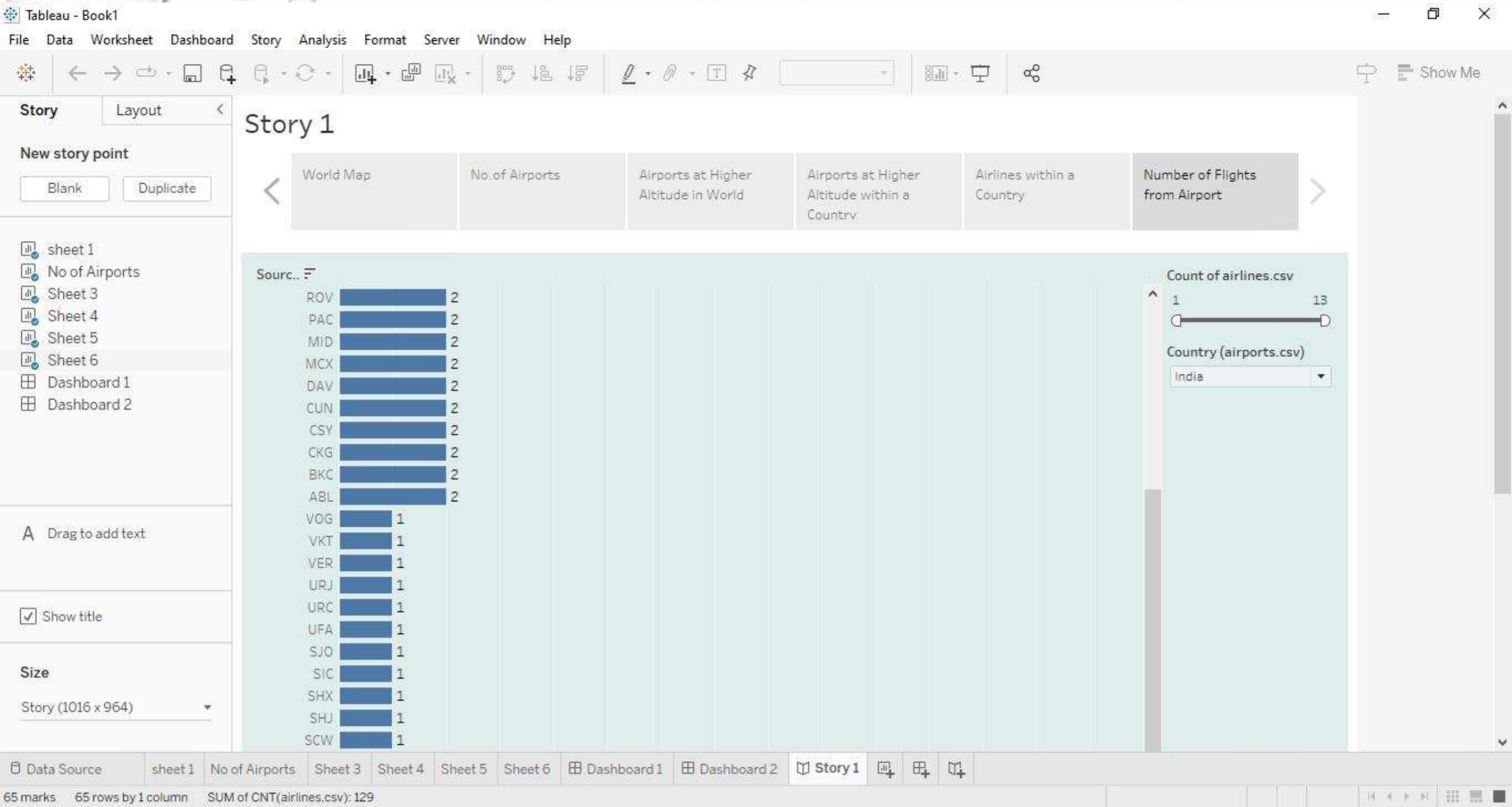


Count of airlines.csv



Country (airports.csv)

India



Vizzes

Favorites

Following

Followers

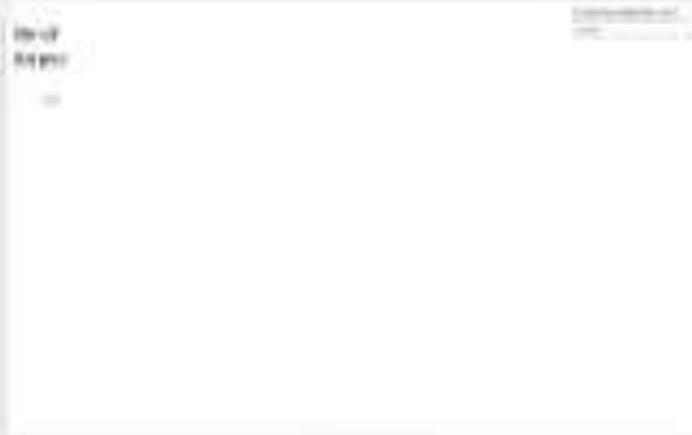


World Map

Book9

swetha B

☆ 0 👁 3



Book8

swetha B

☆ 0 👁 3

A table visualization with 4 columns and 5 rows. The first row is a header. The subsequent rows contain data. The table is titled "Book7" in the top left corner.

id	name	age	gender
1	John	25	Male
2	Jane	30	Female
3	Mike	28	Male
4	Sarah	22	Female

Book7

swetha B

☆ 0 👁 3





Book6

swetha B

☆ 0 ⓘ 3

...

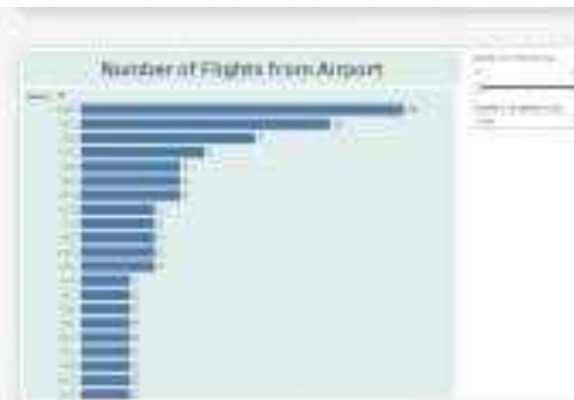


Book5

swetha B

☆ 0 ⓘ 4

...



Book4

swetha B

☆ 0 ⓘ 3

...



Book3

swetha B

☆ 0 ⓘ 4

...



Book2

swetha B

☆ 0 ⓘ 4

...



Book1

swetha B

☆ 0 ⓘ 3

...

Advantages of air

- transportation**
1. It is faster than any other service than air transport. In addition, the frequency of flights makes delivery times very frequent and fast.
2. Air transport is the only means of transportation that does not support physical limits. Road transport, for example, must undergo different physical constraints that slow down delivery times.
3. One of the great advantages of air transport for both passengers and goods is its great reliability.
4. No other means of transport in the logistics sector can cover

Disadvantages of air

- 1. There is no doubt that air transport is the least economical means of transportation compared to other types of transport.**
- 2. The cost of infrastructure, fuel... makes air transport economically superior to other alternatives**
- 3. Storage capacity is lower than land and sea transport. This is a clear disadvantage, air transport is ideal for medium or low loads, but is not so attractive for large volumes of goods.**
- 4. Air transport, due to its specific characteristics, cannot carry certain products or goods. It suffers from certain restrictions, especially in liquid products such as petroleum, oils, etc**

APPLICATION

- 1. The physical infrastructure necessary for the organization of this means of transport are the airports.*
- 2. Therefore, these facilities are what allow aircraft to take off, land and park safely. In addition, as in the ports, they have the delimitations for the loading and unloading of merchandise, and the embarkation and disembarkation of passengers.*
- 3. Also, they have the necessary space for their maintenance and refueling.*
- 4. The main characteristics and advantages of air freight transport are speed, reliability in terms of cargo security, lack of access limitations to remote locations.*
- 5. However, it has drawbacks or disadvantages in terms of higher cost, possible bureaucratic or legal limitations, and technical limitations due to the size and capacity of the aircraft.*

FUTURE SCOPE

- 1. This wave of innovations in aviation will surely impact the wider transport sector as well as the 2030 Agenda for Sustainable Development. These concepts show some examples of what the future has in store – from moving people to delivering packages – the innovations are truly amazing.***
- 2. If we want this future to become a reality – we need to ensure that everyone communicates and collaborates to make effective use of these innovation.***
- 3. The future of mobility is literally taking off!***

CONCLUSION

The air transport industry is not only a vital engine of global socio-economic growth but is also of vital importance as a catalyst for economic development in most countries and for many regions within each country. Its importance arises not only from its ability to facilitate the movement of people but also its ability to expedite the movement of goods. Currently, rising operating costs, stoked by the high price of aviation fuel combined with slowing or even negative demand growth, will lead to dramatic restructuring of the airline industry and the collapse of many airlines especially smaller ones. Reduced access to air services for both passengers and freight may put many communities at a disadvantage.

