



DATA ANALYTICS WITH TABLEAU



ARASU COLLEGE OF ARTS AND SCIENCE FOR WOMEN, KARUR.

WELCOMES YOU ALL



UNLOCKING INSIGHTS INTO THE
GLOBAL AIR TRANSPORTATION
NETWORK WITH TABLEAU.



III.B.Sc PHYSICS

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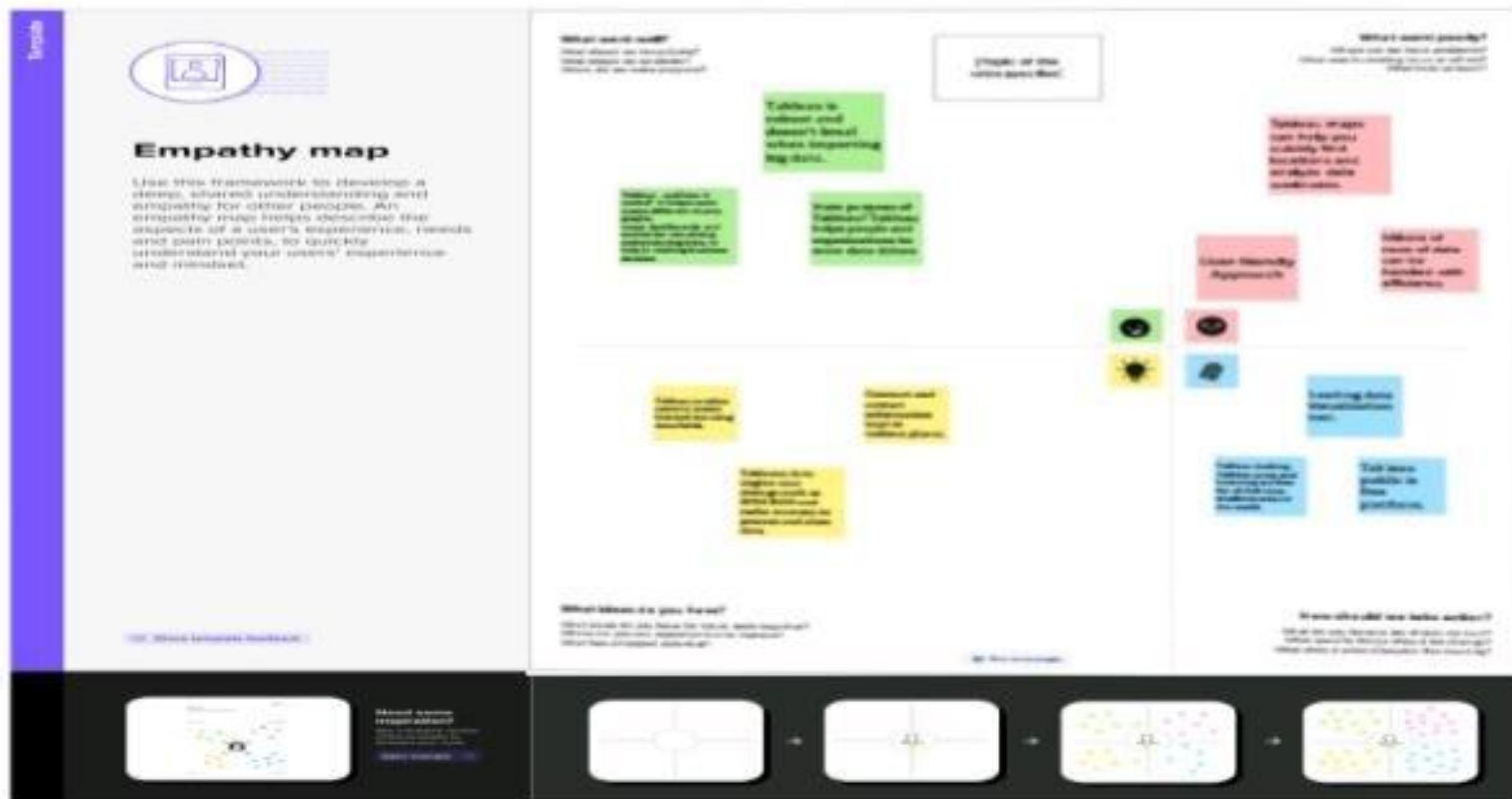


INTRODUCTION

- The Global Air Transportation Network dataset is a comprehensive collection of information of airports, airlines and there routes.
- It contains information such as names,cities, countries, codes (IATA and ICOA) longitudes.
- Latitudes and altitudes of airports across the world with details time zone and daylight saving time data.
- IATA and ICOA codes, callsigns country of origin and active/inactive status.
- This dataset has been compled through meticulous labour by researchs all over the world to give you a comprehensive details.



EMPATHY MAP



BRAINSTORM

Question
8. Was passiert bei einer Verdünnung?

Bei Verdünnung wird das Volumen vergrößert, die Stoffmenge bleibt gleich. Die Konzentration sinkt.

Beispiel:
 100 ml 1 M NaCl
 → 200 ml 0,5 M NaCl

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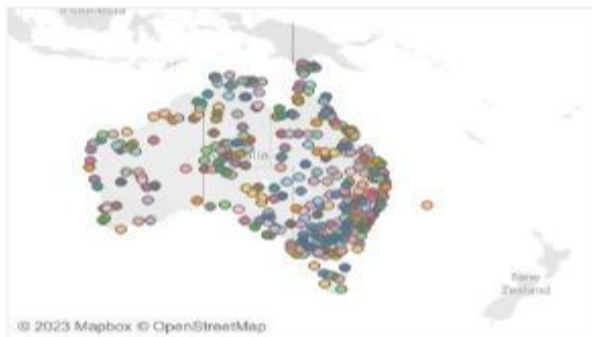
DATA SET

The image shows a document titled "airports" with a large table of data. The table has multiple columns and rows, with some text visible in the first few columns. The document is placed on a surface with a green and white striped pattern.

ACTIVITY 01

DASHBOARD 01

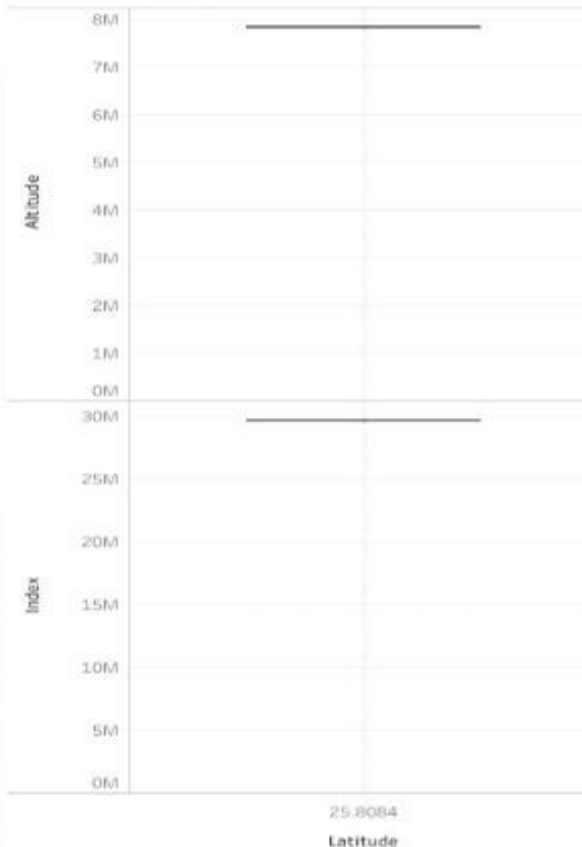
World Map Showing details of all airports within a Country



airports at higher altitude with in a country

Airport ID	Country	Altitude	Index
2048	Afghanistan	OK	
2049	Afghanistan	10K	
2050	Afghanistan	OK	
2051	Afghanistan	OK	
2052	Afghanistan	OK	
2053	Afghanistan	10K	
2054	Afghanistan	OK	
2055	Afghanistan	OK	
2056	Afghanistan	OK	
5922	Afghanistan	10K	
7036	Afghanistan	OK	
7499	Afghanistan	OK	
7500	Afghanistan	10K	
7501	Afghanistan	OK	
7868	Afghanistan	OK	
8127	Afghanistan	OK	
8146	Afghanistan	10K	
8267	Afghanistan	OK	
8773	Afghanistan	OK	
8825	Afghanistan	OK	
10057	Afghanistan	10K	
13469	Afghanistan	10K	

Number of airports within the country



Country	City
<input type="checkbox"/> Afghanistan	<input type="checkbox"/> Null
<input type="checkbox"/> Albania	<input type="checkbox"/> Adelaide
<input type="checkbox"/> Algeria	<input type="checkbox"/> Airlie Beach
<input type="checkbox"/> American Samoa	<input type="checkbox"/> Albany
<input type="checkbox"/> Angola	<input type="checkbox"/> Albury
<input type="checkbox"/> Anguilla	<input type="checkbox"/> Ali-Curung
<input type="checkbox"/> Antarctica	<input type="checkbox"/> Alice Springs
<input type="checkbox"/> Antigua and Barbuda	<input type="checkbox"/> Alpha
<input type="checkbox"/> Argentina	<input type="checkbox"/> Amata
<input type="checkbox"/> Armenia	<input type="checkbox"/> Amberley
<input type="checkbox"/> Aruba	<input type="checkbox"/> Ampilatwatja
<input checked="" type="checkbox"/> Australia	<input type="checkbox"/> Anzania Homeland
<input type="checkbox"/> Austria	

ACTIVITY 02

DASHBOARD 02

Country

airports at
higher
altitude in the
world

	Country ..
	Brazil
Source	Benito
OurAirports	Airport

number of flights from airports

Name	
9 de Maio - Teixeira de Freitas Airport	
(Duplicate) Playa Samara Airport	

© Mapbox © OSM

airlines with in a country



© 2023 Mapbox © OpenStreetMap

City
Bonto

Tz database time zone

- \N
- Africa/Abidjan
- Africa/Accra
- Africa/Addis_Ababa
- Africa/Algiers
- Africa/Asmara
- Africa/Bamako
- Africa/Bangui
- Africa/Banjul
- Africa/Bissau
- Africa/Blantyre
- Africa/Brazzaville
- Africa/Bujumbura
- Africa/Cairo
- Africa/Casablanca
- Africa/Conakry
- Africa/Dakar
- Africa/Dar_es_Salaam
- Africa/Djibouti
- Africa/Douala
- Africa/El_Aaiun
- Africa/Freetown
- Africa/Gaborone
- Africa/Harare
- Africa/Johannesburg
- Africa/Juba
- Africa/Kampala
- Africa/Khartoum
- Africa/Kigali
- Africa/Kinshasa
- Africa/Lagos
- Africa/Libreville
- Africa/Lome
- Africa/Luanda
- Africa/Lubumbashi



ACTTIVIIY 04

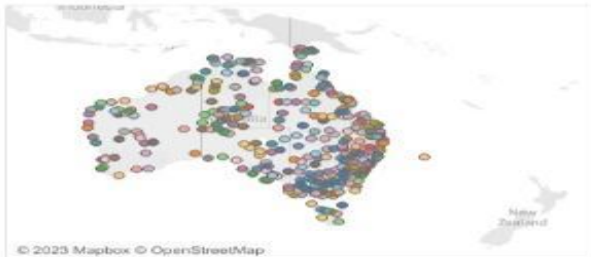
STORY 01

UNLOCKING INSIGHTS IN TO THE GLOBAL AIR TRANSPORTATION NETWORK WITH TABLEAU

Any area of land or water used or intend...

Airports are the authorized spaces for..

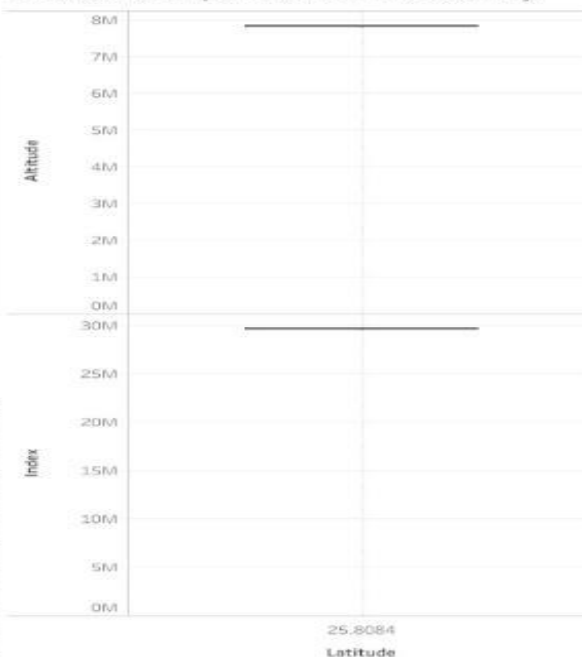
World Map Showing details of all airports within a Country



airports at higher altitude with in a country

Airport ID	Country	Altitude	City
2048	Afghanistan	OK	Null
2049	Afghanistan	10K	Adelaide
2050	Afghanistan	OK	Airlie Beach
2051	Afghanistan	OK	Albany
2052	Afghanistan	OK	Albury
2053	Afghanistan	10K	Ali-Curung
2054	Afghanistan	OK	Alice Springs
2055	Afghanistan	OK	Alpha
2056	Afghanistan	OK	Amata
5922	Afghanistan	10K	Amberley
7036	Afghanistan	OK	Ampilatwatja
7499	Afghanistan	OK	Anaotia Homeland
7500	Afghanistan	10K	Null
7501	Afghanistan	OK	Null
7868	Afghanistan	OK	Null
8127	Afghanistan	OK	Null
8146	Afghanistan	10K	Null
8267	Afghanistan	OK	Null
8773	Afghanistan	OK	Null
8825	Afghanistan	OK	Null
10057	Afghanistan	10K	Null
13459	Afghanistan	10K	Null

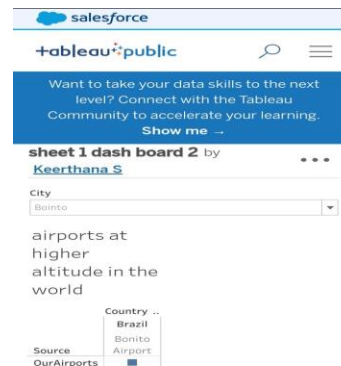
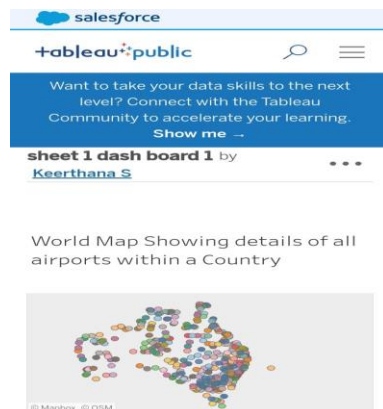
Number of airports within the country



- Country
- ☐ Afghanistan
 - ☐ Albania
 - ☐ Algeria
 - ☐ American Samoa
 - ☐ Angola
 - ☐ Anguilla
 - ☐ Antarctica
 - ☐ Antigua and Barbuda
 - ☐ Argentina
 - ☐ Armenia
 - ☐ Aruba
 - ☒ Australia
 - ☐ Austria
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 - ☐ Armenia
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 - ☐ Australia
 - ☐ Austria

WEB INDEX

- <https://public.tableau.com/app/profile/keerthana.s6814/viz/sheet1story/Story1?publish=yes>
- <https://public.tableau.com/app/profile/keerthana.s6814/viz/sheet1dashboard2/Dashboard2?publish=yes>
- <https://public.tableau.com/app/profile/keerthana.s6814/viz/sheet1dashboard1/Dashboard1?publish=yes>



○ Advantages

1. Fast delivery times. Undoubtedly, one of the most advantageous features offered by air transport is its speedy delivery times.
2. No physical limits, very reliable transportation, long distances, high cost, less storage capacity, restrictions on goods.

○ Disadvantages

- long distances overland can take more time. There can be traffic delays and break downs. There is the risk of goods being damaged, especially over long distances.
- Flights are subject to delay or cancellation. You will need to pay taxes at each airports you use.



CONCLUSION

- By Seamlessly connecting splunks data analytics capabilities with tableau intuitive visualization,users can unlock valuable insights.
- Tableau with data from splunk is a powerful combinations that enables businesses to transform complex data into meaningful visualisation.
- Tell a compelling story, and make informed data driven decisions that provide tangible value.



