

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



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## INTRODUCTION:

An **airline** is a company that provides air transport services for travelling passengers and/or freight.

The first airline was the German airship company DELAG, founded on November 16, 1909.

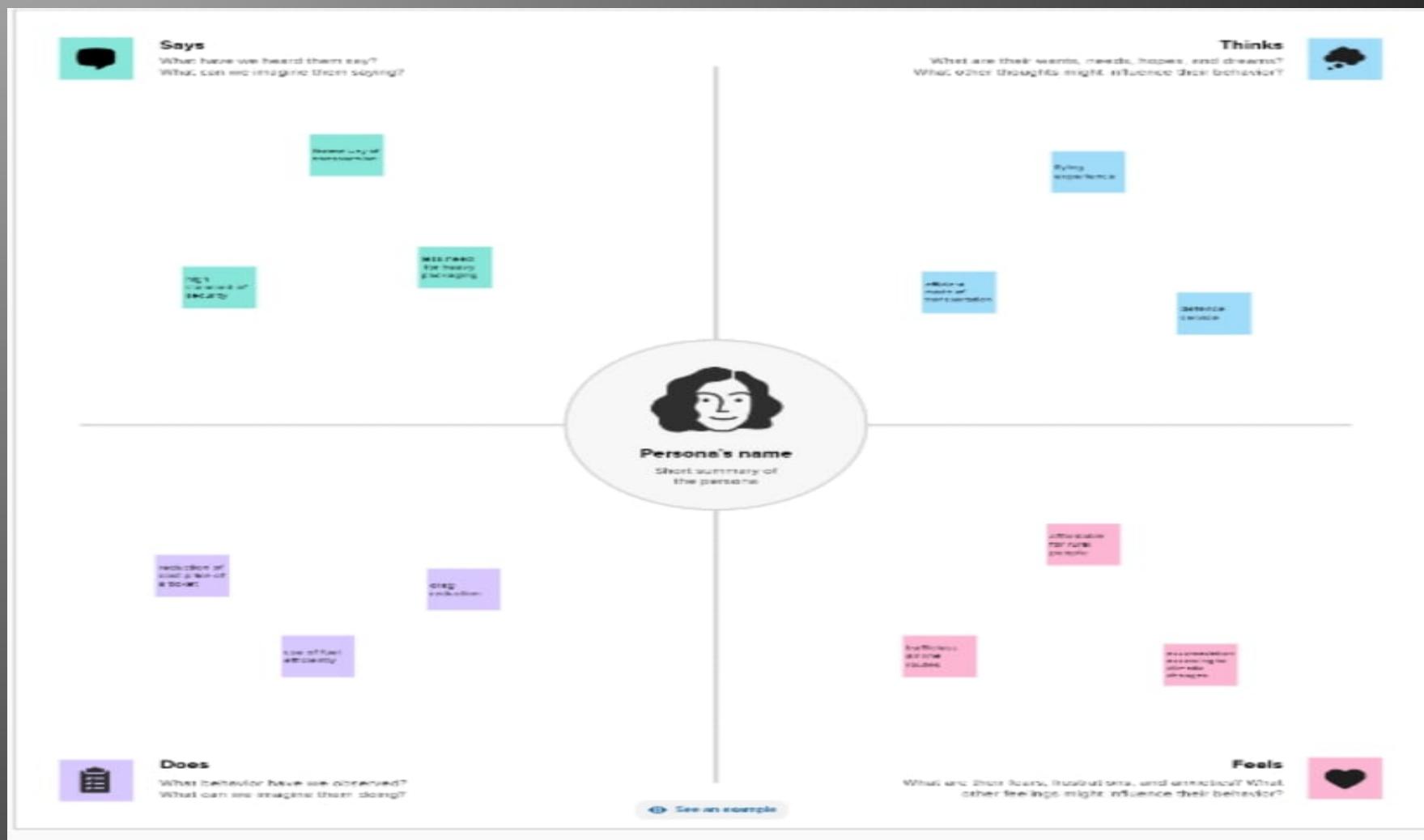


# PURPOSE OF AIRLINES:



An airline is a company that provides passenger and cargo air transport services. Airlines use aircraft to provide these services and may form partnerships or alliances with other airlines for code share agreements, in which they offer and operate the same flight.

# EMPATHY MAP



# BRAIN STORM

The screenshot shows a Microsoft Edge browser window with a PDF document titled 'brainstorming map 2023 09 01 original[1].pdf'. The document is a template for a brainstorming session, divided into several sections: 'Brainstorm & idea prioritization', 'Brainstorming process', 'Brainstorming session', and 'Brainstorming results'. The 'Brainstorming session' section contains a large central diagram. This diagram includes a grid of yellow squares arranged in four columns and four rows, with some squares containing small icons. To the right of the grid is a curved line graph with a single data point. Below the grid and graph is a flowchart with three main boxes: 'Brainstorming', 'Idea prioritization', and 'Brainstorming results'. Each box has a downward-pointing arrow indicating a sequential flow between them. The browser's top navigation bar shows the file path 'File | C:/Users/Admin/AppData/Local/Microsoft/Windows/INetCache/IE/3AX17AJR/brainstorming\_map\_2023\_09\_01\_10\_02\_49\_original[1].pdf' and various toolbar icons.

# DATA SET

# ABOUT DATA SET:

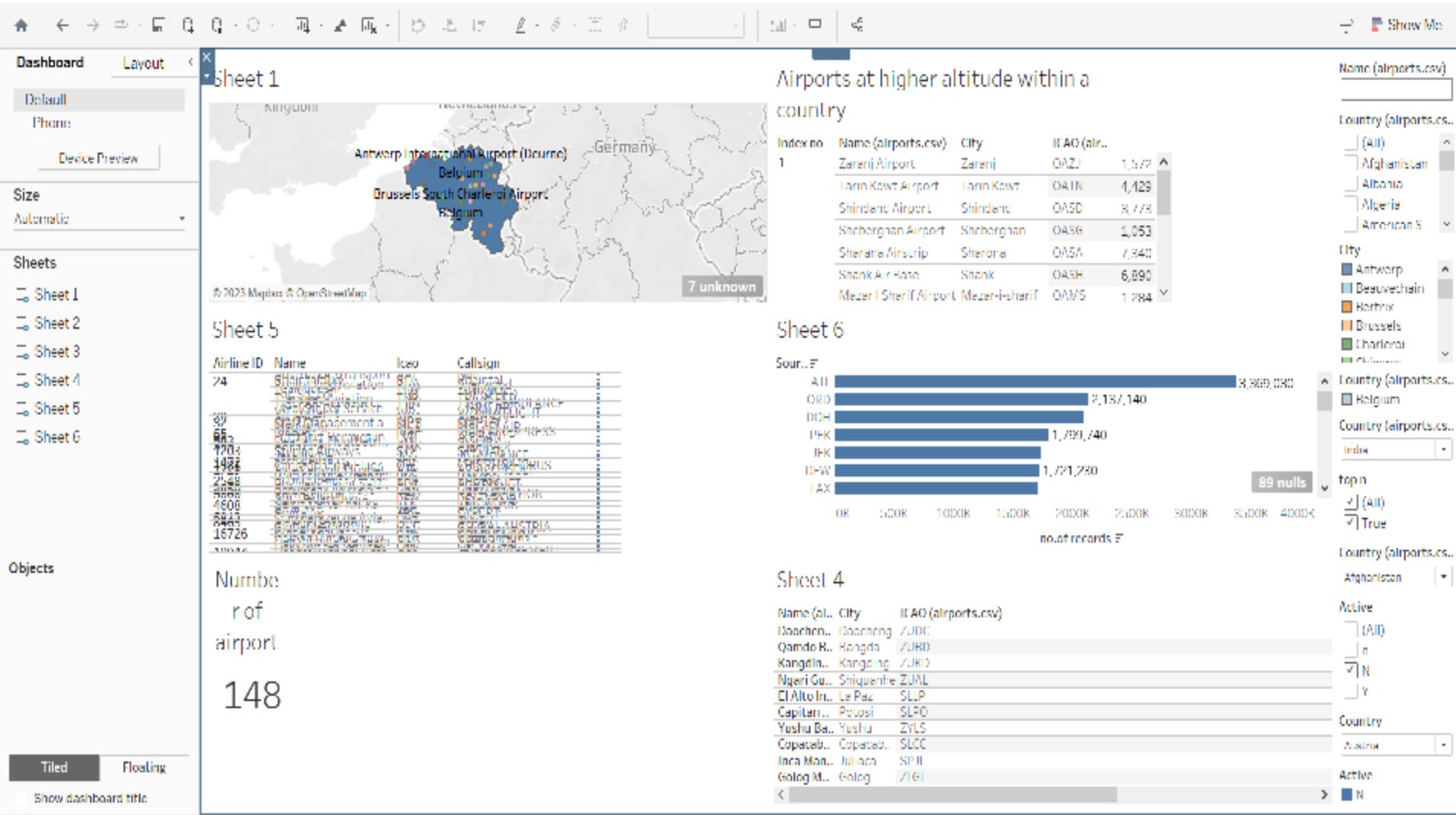


- NAME : The name of the airport
- IATA : The international air transport association code for the airport
- ICAO : The international civil aviation organisation code for the airport
- COUNTRY : The country the airport is located in.
- ALIAS : An alternate name for the airport
- CALLSIGN : The call sign of the airline operating at the airport
- ACTIVE : An alternate name for the airport

# DASHBOARD

<sup>8</sup> Tableau - Unlocking insights into the global Air transportation network (short) [From LOCA] [OST] - Tableau license expires in 11 days.

File Edit Worksheet Dashboard Stats Analysis Meni Forecast Scores Windows Help



M Data Source	Sheet1	Sheet2	Sheet3	Sheet4	Sheet5	Sheet6	H Dashboard1	O Story1	Q Q	U U
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# STORY

Tableau - Unlocking insights into the global Air transportation network (story) [from LOCAL HOST] - Tableau license expires in 11 days

File Data Worksheet Dashboard Story Analysis Format Server Window Help

Story Layout

New story point

Blank Duplicate

Sheet 1

World map showing details of Number of airports within a Airports at higher altitudes within a country Airports at higher altitudes in the Airlines within a country Number of flights from airport

Sheet 1

Airports at higher altitude within a country

Name (airports.csv)

Country (airports.csv)

(All) Afghanistan

City

Antwerp, Belgium

Sheld 1

Sheld 2

Sheld 3

Sheld 4

Sheld 5

Sheld 6

Dashboard1

7 unknown

Sheet 5

Airline ID Name ICAO Callsign

ATL 3,369,030

ORD 2,137,140

DAL 1,799,710

PDK 89 nulls

0M 1M 2M 3M 4M

Sheet 6

Sourc

Number of flights from airport

148

Sheet 4

Name (airports.csv)

Country (airports.csv)

Active

(All) N

Country

Austria

Active

N

A Drag to add text

Show title

Size

Custom size (1016 x 864)

Data Source Sheet1 Sheet2 Sheet3 Sheet4 Sheet5 Sheet6 Dashboard1 Story1

Type here to search



IBX

30°C Heavy rain

ENC IN 4:56 PM 10/7/2023

# **Advantages & Disadvantages of Air Transport**

## **Advantages**

- Fast speed of transport.
- Rapid service facility.
- Low infrastructure required to establish this service.
- No physical barriers can affect its speed.
- Aviation is very important in Defence service to protect any nation.
- It provides a safe and secure environment to travel by valuable goods.

## **Disadvantages**

- Costlier than other modes.
- Limited capacity of people or goods can move.
- Undependable and risky since it depends on weather conditions.
- Requires skill to fly or operate any aircraft.
- Unfit for cheap bulky goods since travel costs can be higher than the goods cost.
- More accident-prone than other modes.



## Future goals of air transport:

The most recent estimates suggest that demand for air transport will increase by an average of 4.3% per annum over the next 20 years. If this growth path is achieved by 2036 the air transport industry will then contribute 15.5 million in direct jobs and \$1.5 trillion of GDP to the world economy.



## Conclusion :



*Air freight is a fast, flexible, and efficient shipping method that provides businesses with numerous benefits, including speed, flexibility, efficiency, and reduced risk of damage or loss.*