# Global Airline Operations (2022–2023) – Dashboard Summary

## 1. Objective

This dashboard aims to explore global airline performance between 2022 and 2023, focusing on delays, cancellations, and passenger volume by continent. The goal is to identify trends and provide meaningful insights into flight operations across different countries and time periods.

## 2. Dataset Used

The dataset includes records of global flights with fields such as:
- Flight Status (Cancelled, Delayed, On Time)
- Departure Date
- Passenger ID
- Country and Continent

The data was cleaned and analyzed to focus on relevant metrics like flight counts per status, trends over time, and geographical differences.

## 3. Dashboard Description

The dashboard is hosted on Tableau Public and includes:
- Bar chart: Passenger Volume by Continent
- Pie chart: Flight Status Distribution
- Line chart: Monthly trend of delayed flights in 2022
- Three maps: Visualizing cancelled, delayed, and on-time flights by country
- Interactive filter: Country Name filter applied to all visuals
- Insights text: Summarizing key findings

Design choices were guided by clarity and storytelling. Colors were chosen to differentiate each flight status. Charts are aligned in two rows for readability.

## 4. Key Insights

- North America has the highest passenger volume.
- Flight statuses are almost equally distributed across Cancelled, Delayed, and On-Time (~33k each).
- May and August show peaks in delays, indicating seasonal patterns.
- The USA leads in on-time flights; Australia has a high number of cancellations.

## 5. Link to Dashboard

🔗 Tableau Public Link – Global Airline Dashboard
https://public.tableau.com/shared/NN7B4C94F?:display_count=n&:origin=viz_share_link