

This Power BI Project provides a comprehensive analysis of US Flights, focusing on key metrics such as flight details, cancellation, diversions, and state-specific environmental conditions like temperature, pressure, wind, etc. The interactive dashboards including:

- 1. Flight Details Offering insights into flight patterns and statistics.
- Cancellation/Diverted Details Highlights trends and reasons behind disruptions.
- 3. Map Visualising all the states with total flights and cancellation count.
- **4. State Details** Presenting a detailed overview of weather conditions and their potential impacts on flights operation. In depth analysis of every state flight pattern.

This projects aims to deliver valuable insights for airlines, travellers, and stakeholders by leveraging data to enhance decision-making and operational efficiency.



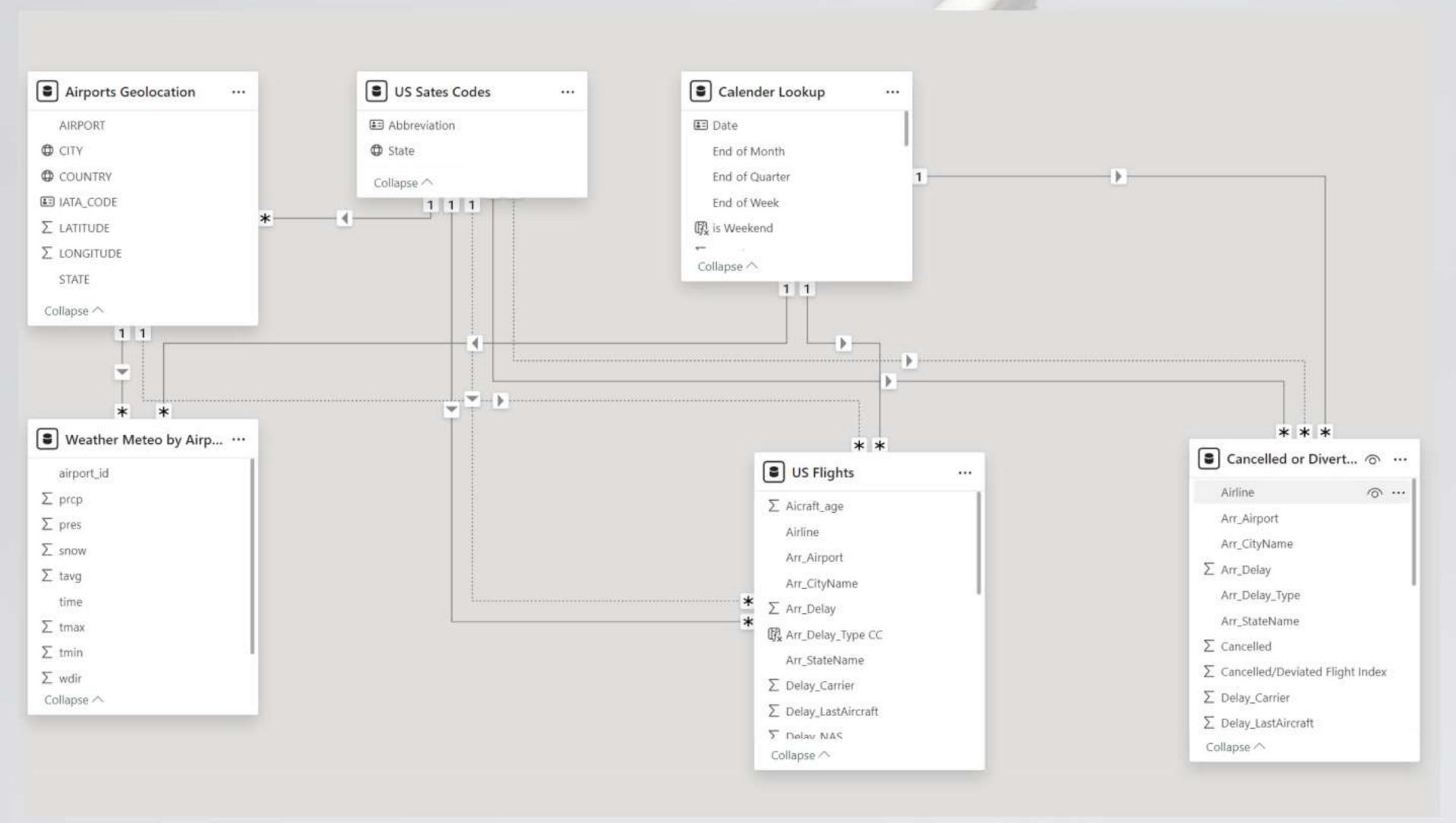
List of Tables used in this Project

>> Data Search Measure Table Airports Geolocation Calender Lookup Cancel/Divert Matric Selection Cancelled or Diverted > 🖽 US Flights > III US Sates Codes > H Weather Meteo by Airport

- 1. Measure Table: Contains all the measures.
- 2. Airport Geolocation: Contains names of airports, their city, state code, latitude and longitude.
- 3. Calender Lookup: Contains dates, details of week, etc.
- 4. Cancel/Divert Metric Selection: Contain a field parameter.
- **5. Cancelled or Diverted**: Contains details of all the cancelled and diverted flights.
- **6. US Flights**: Contains details of all the flights that take up successfully and without being diverted
- 7. US State Codes: Contains all the US state codes
- **8. Weather Meteo by Airport**: Contains the weather details of the airports.

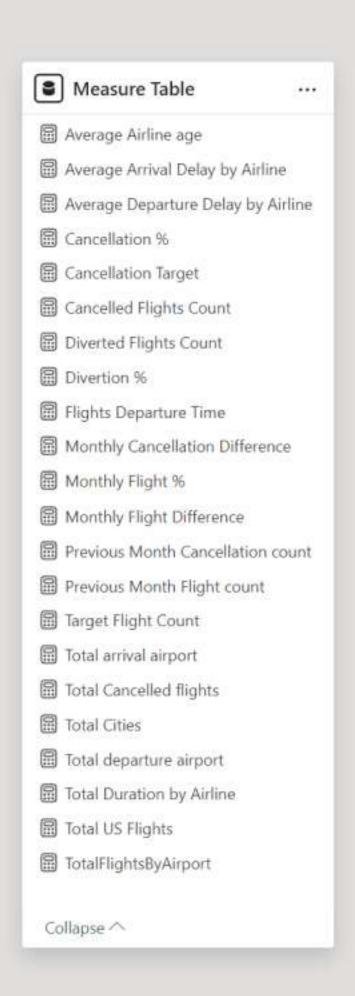


Table Relationships structure





Measure and Parameter Table





Flight Details Dashboard Part - 1



Flight Details Dashboard Part - 2



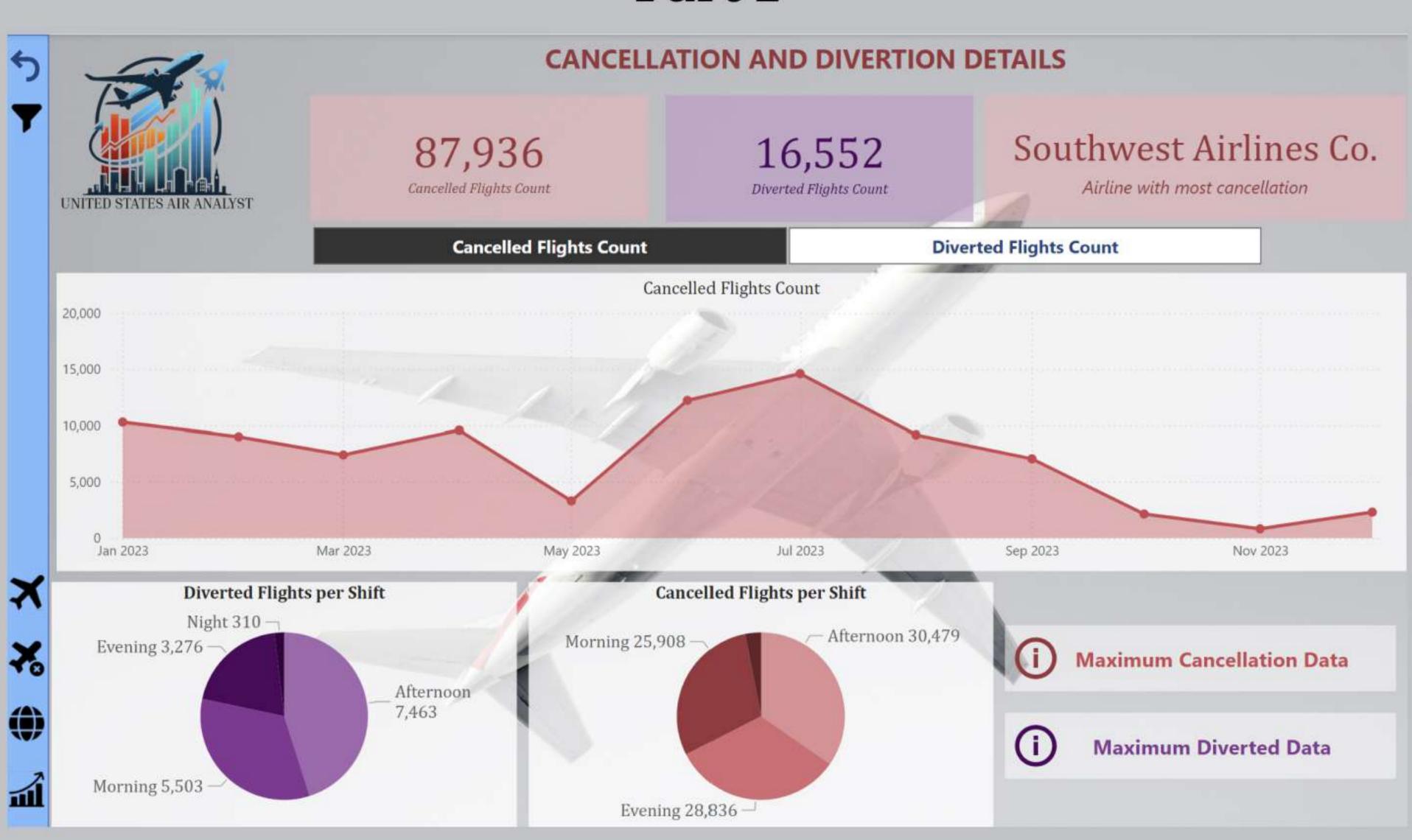
Filter Panel



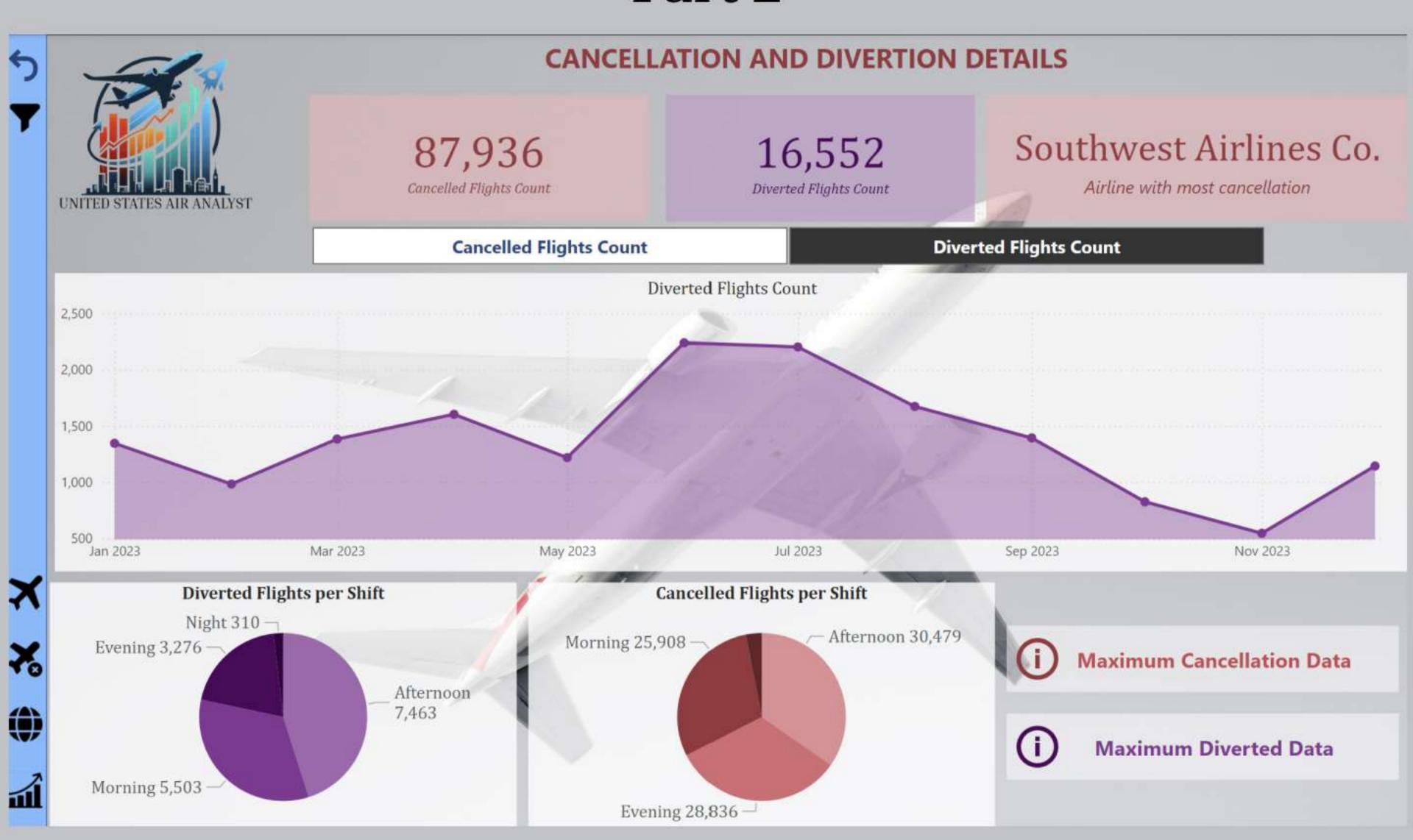
Dashboard Narrative



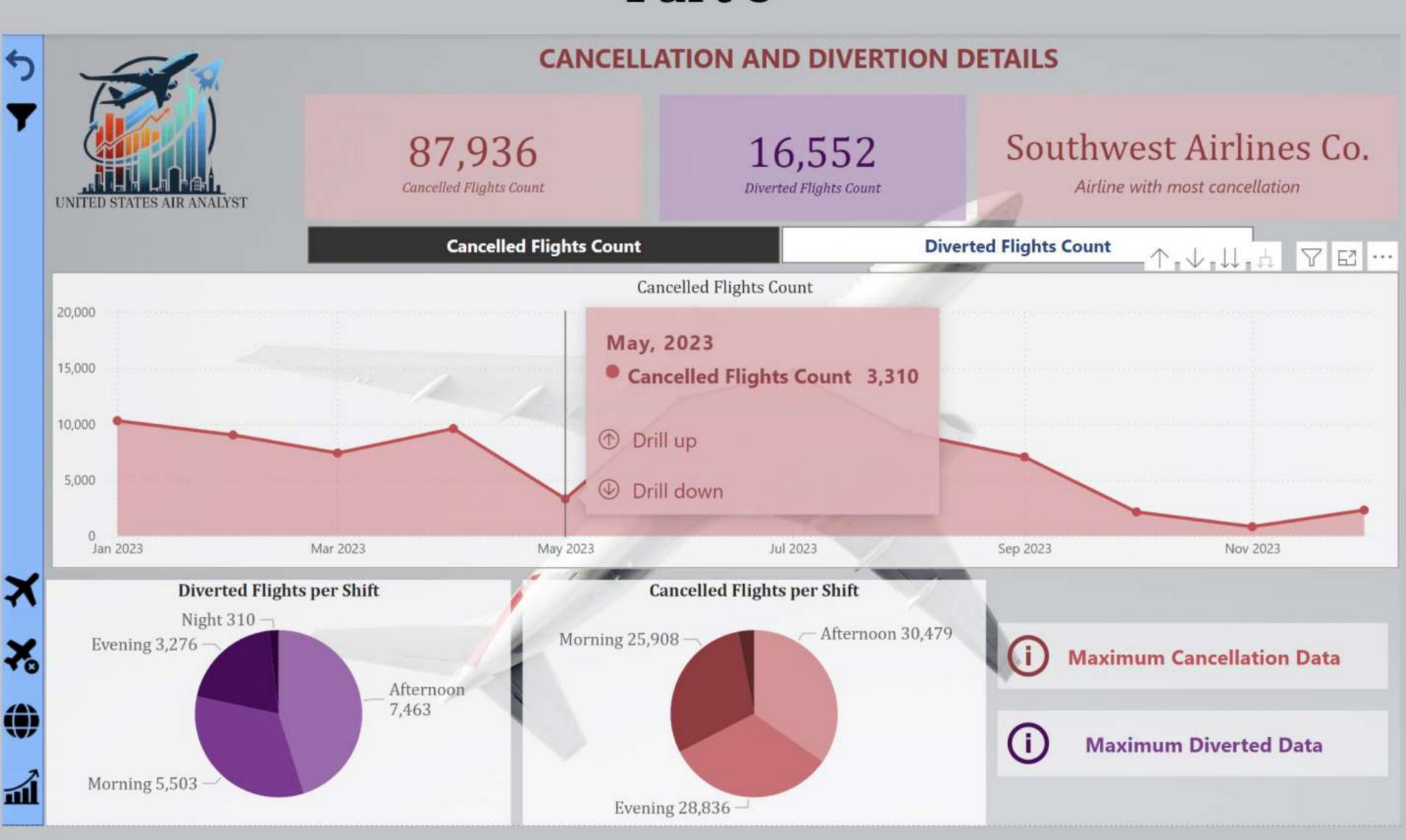
Cancellation/Divertion Dashboard Part 1



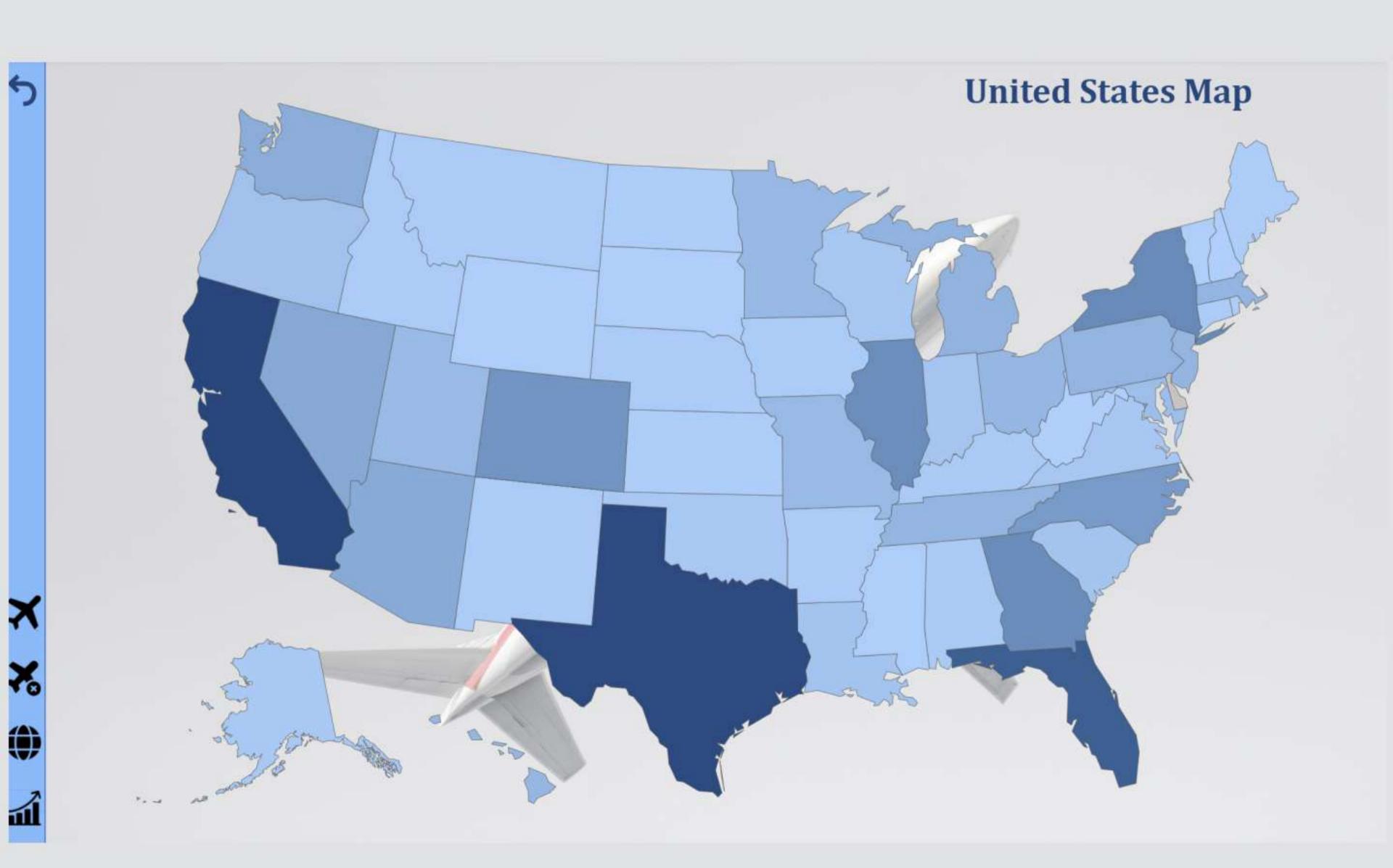
Cancellation/Divertion Dashboard Part 2



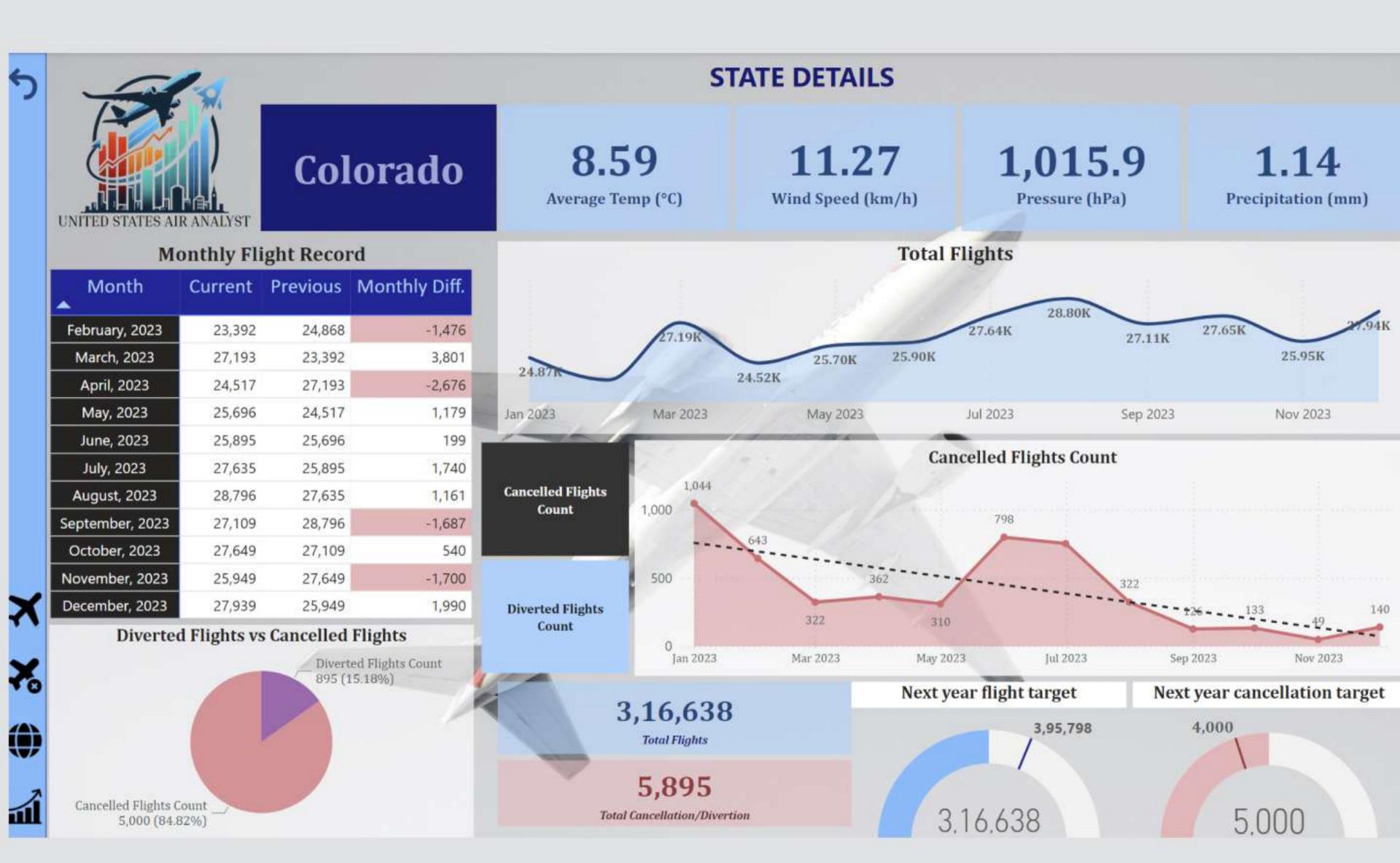
Cancellation/Divertion Dashboard Part 3



Map



State Dashboard Part 1



State Dashboard Part 2

