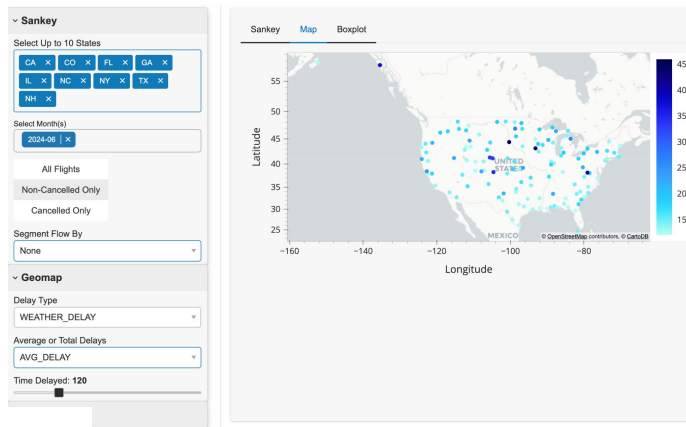


Flight Traffic Dashboard

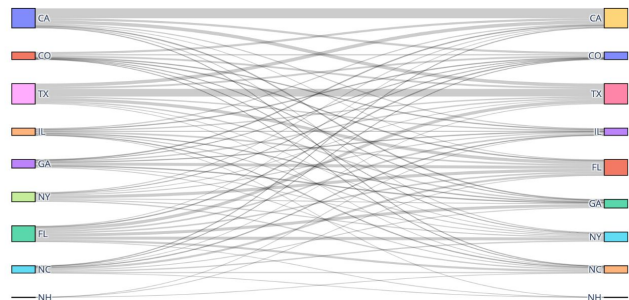
Based on the analysis of hundreds of thousands of flights from bi-annual Department of Transportation statistics going back to 2018, we have produced a comprehensive flight traffic dashboard that tracks overall trends and allows for targeted analysis into specific air travel phenomena, by year, season, weekday, airline, airport, and more.

Sankey Functionality

- **State & Month Filters** – select up to 10 states and specific months and years
- **Segmented Insights** – break down flows by **month**, **airline**, **day**, or **distance**
- **Cancellation analysis** – view all, non-cancelled, or only cancelled flights



Flight Traffic Sankey Diagram (State to State Flow)
Flight Distribution Origin State (left) → Destination State (right)



Delay GeoMap

- Allows for visualization of **average and total delays** (in minutes) over the years
- **Higher delays** are color-coded to stand out
- Map can be filtered via type of delay to highlight regions prone to specific delays

Delay Types Box Plot

- **Delay Type Comparison** – Visualize **departure** and **arrival** delay lengths across all **delay types**
- **Customizable Filters** – Filter by **state**, **month**, **airline**, and **day of the week** for tailored insights
- **Outlier Control** – Toggle outliers on/off for better data visibility

