

Narrative design 1 - Factors

Factors :

the outbreak of the Coronavirus; the attacks of September 11th, 2001;

Questions:

Monthly, what changes occurred to the number of monthly flights (to and from SEATAC airport) between the year 2000 (before the attacks of September 11th, 2001) and the year 2002 (after the attacks of September 11th, 2001)?

Monthly, what changes occurred to the number of monthly flights (to and from SEATAC airport) between the year 2018 (before the outbreak of the Coronavirus) and the year 2022 (the outbreak of the Coronavirus)?

Takeaways:

Question 1: The attack of September 11th, 2001 had a crippling effect on the aviation industry at the time. As seen in the visualization, 2002 January flight (to and from SEATAC airport) numbers were lower than their 2000 December Counterpart, reversing the general trend of increasing traffic.

Question 2: The outbreak of the Coronavirus had a much less profound effect on the aviation industry at the time. As seen in the visualization, the Covid period spanning 2020 and 2021 did not radically damage the industry and the trend of increasing traffic (to and from SEATAC airport) remained steady, maintaining the pre-covid trend of high summer flight numbers.

Background information:

visualizations :

- Color-coded based on monthly flight count.
- Understanding of scoping of data (specific years, only to and from SEA airport code)

Q1 (September 11th, 2001 attacks):

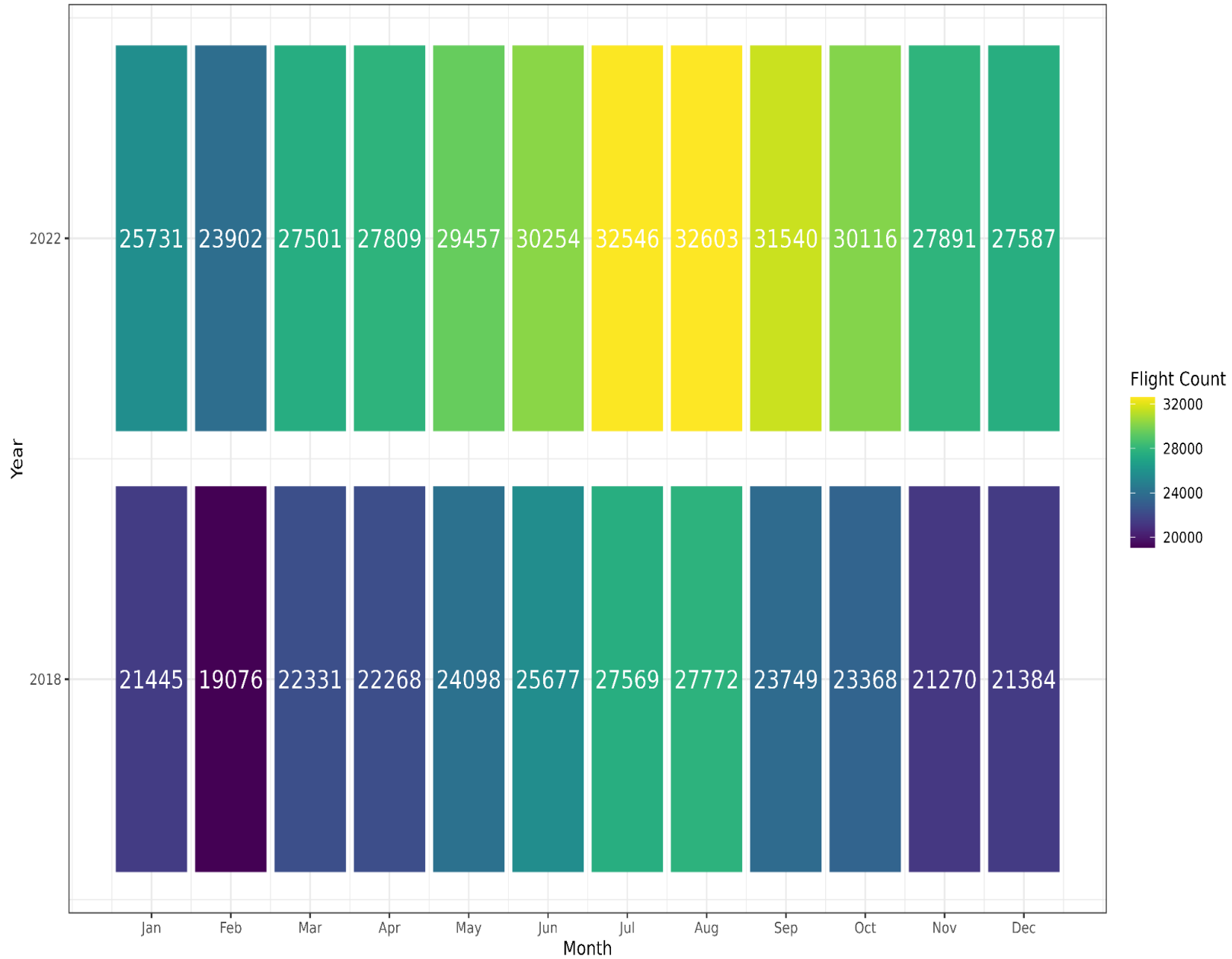
- Awareness of the September 11th, 2001 terrorist attacks on the United States. Understanding of the impact of the attacks on various sectors, including air travel and the aviation industry.
- Knowledge of the significance of the year 2000 as the pre-attack period and the year 2002 as the post-attack period.
- Understanding of the technological climate of air travel at the turn of the century.

Q2(Coronavirus outbreak):

- Familiarity with the outbreak of the Coronavirus disease (COVID-19) that started in late 2019 and had a significant global impact.

- Understanding of the measures implemented worldwide to control the spread of the virus, such as travel restrictions, lockdowns, and reduced air travel.

Flight Count before and after outbreak of the SARS-CoV-2 outbreak to and from SEATAC airport



Flight Count before and after September 11th, 2001 Attack to and from SEATAC airport

