



# FAA Wildlife Strikes

By  
Hugo Perdomo

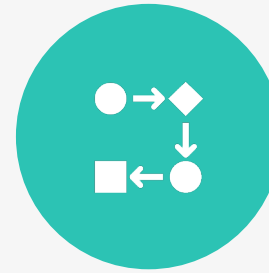
# Goals



ANALYZE THE DATASET (FAA WILDLIFE STRIKES, 2015) AND REVIEW THE IMPACT.



CREATE VISUALIZATIONS IN TABLEAU WITH KEY DETAILS.



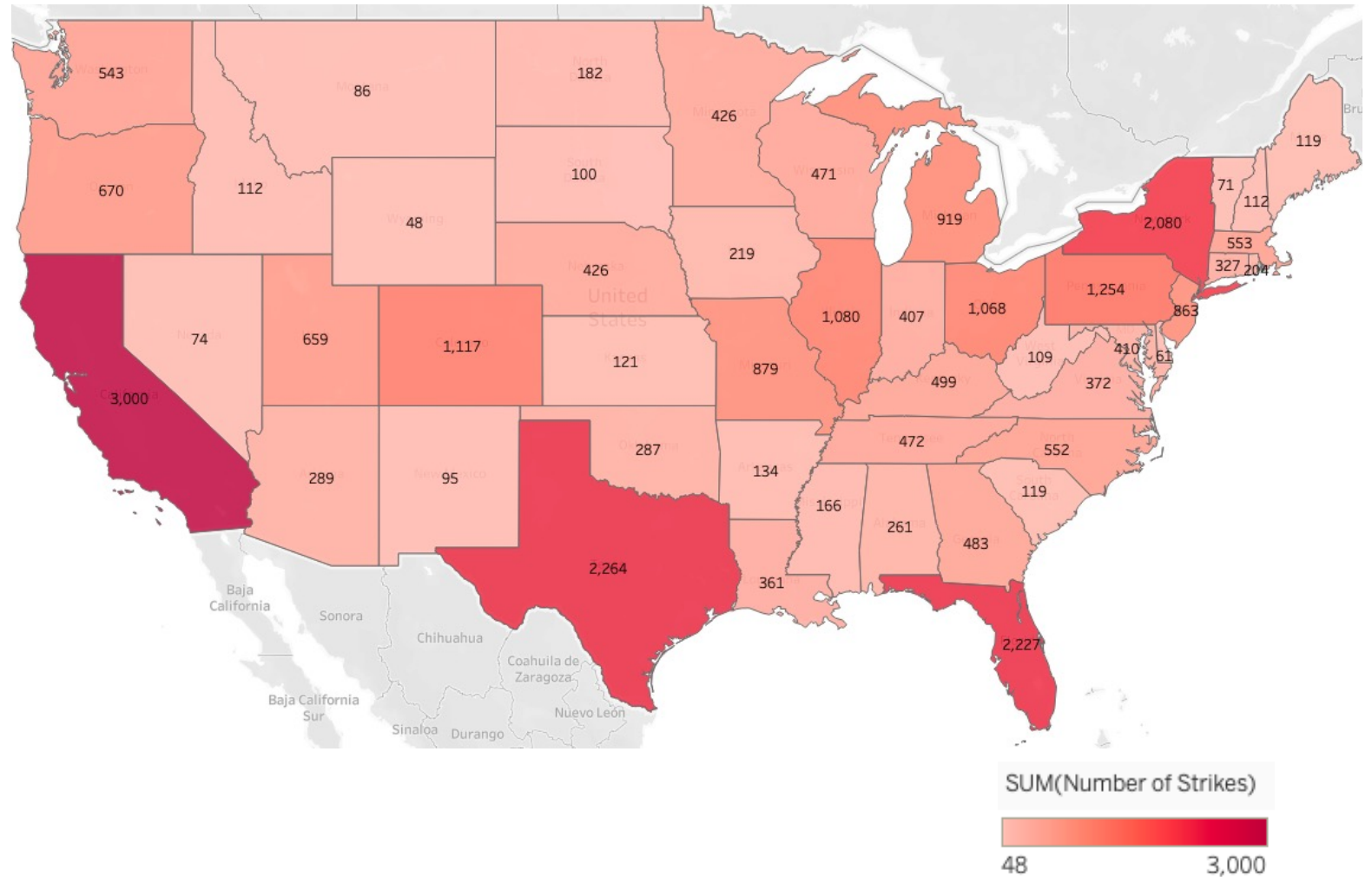
FIND PATTERNS AND TRENDS RELATED TO THE STRIKES AND WILDLIFE.



CREATE A DASHBOARD TO ANSWER QUESTIONS RELATED TO THE DATASET EASILY.

# Which are the states with higher incidences?

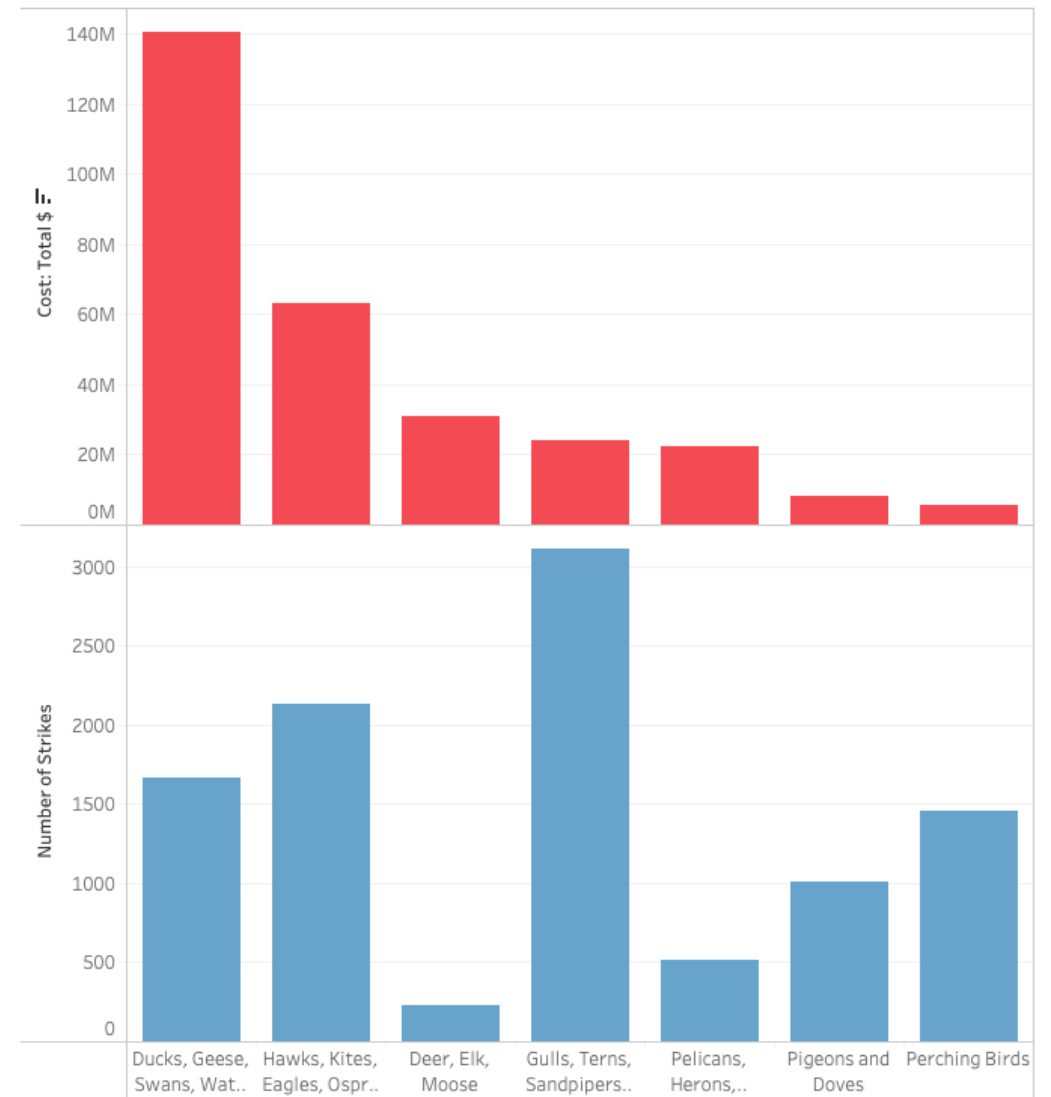
- The states with higher strikes are:
  - California
  - Texas
  - Florida
  - New York



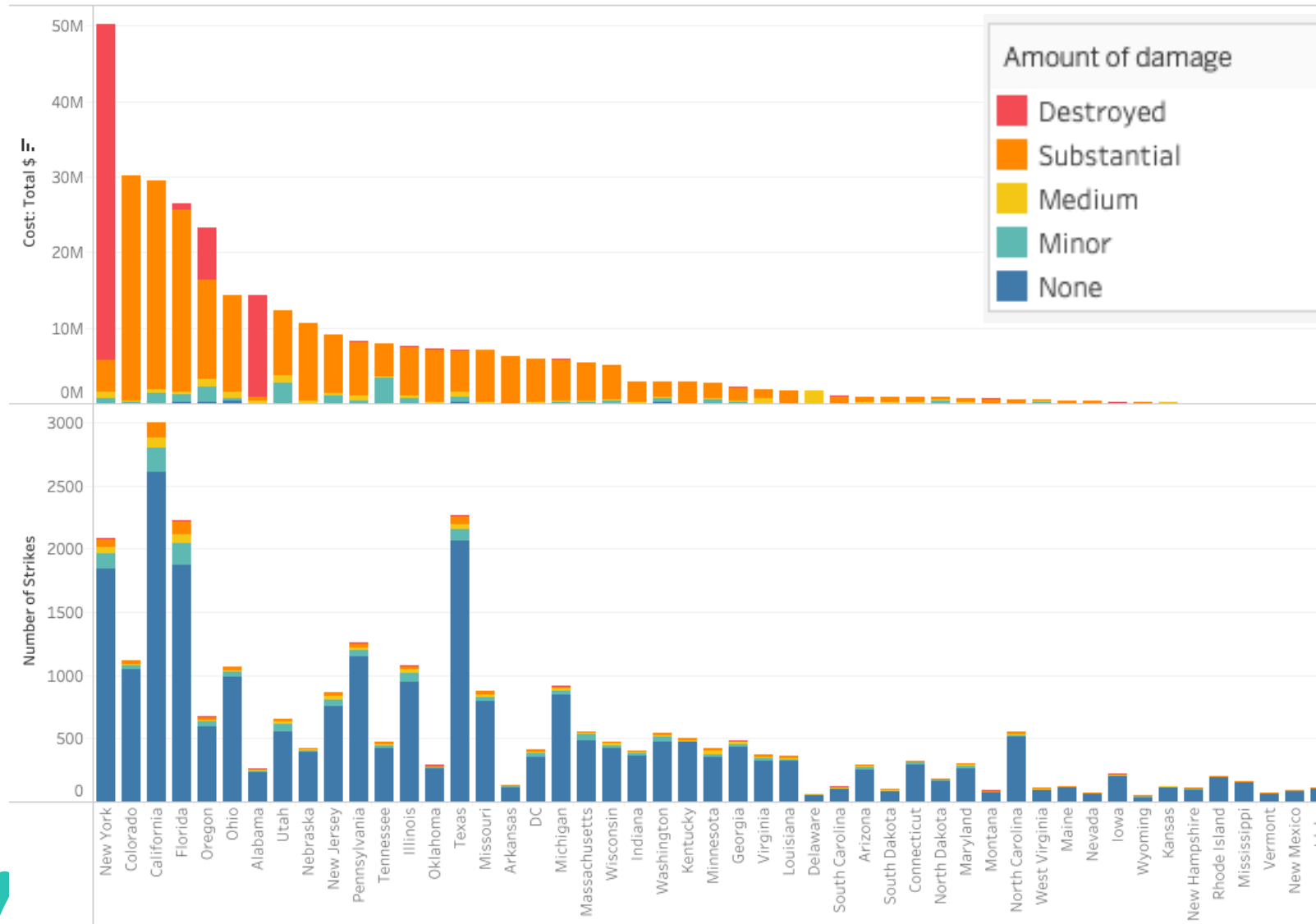
# Most affected animal species and cost

- Interestingly, most strikes occur with the Gulls, Terns and Sandpipers species family, but they are the fourth in cost.
- The most expensive incidents occur with the Geese, Ducks and Swans species family.

Strikes vs Cost by Species

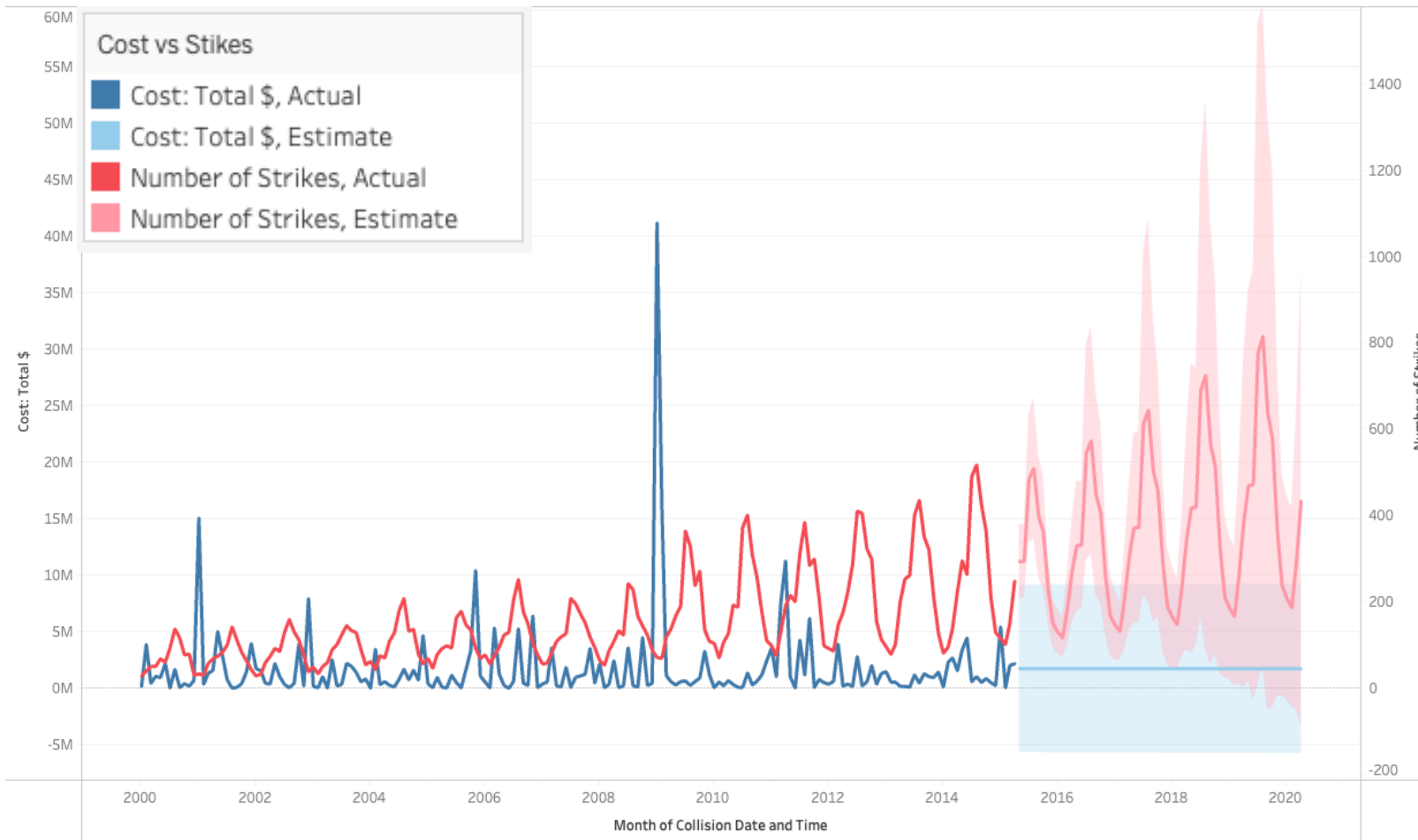


# What is the cost of these strikes by each state?



- The state with the highest number of incidents is California, but it is the third state by cost. This is because the type of damage in most cases with the cost is only substantial.
- On the other hand, New York has the most expensive damage due to some incidents that destroyed the aircraft.

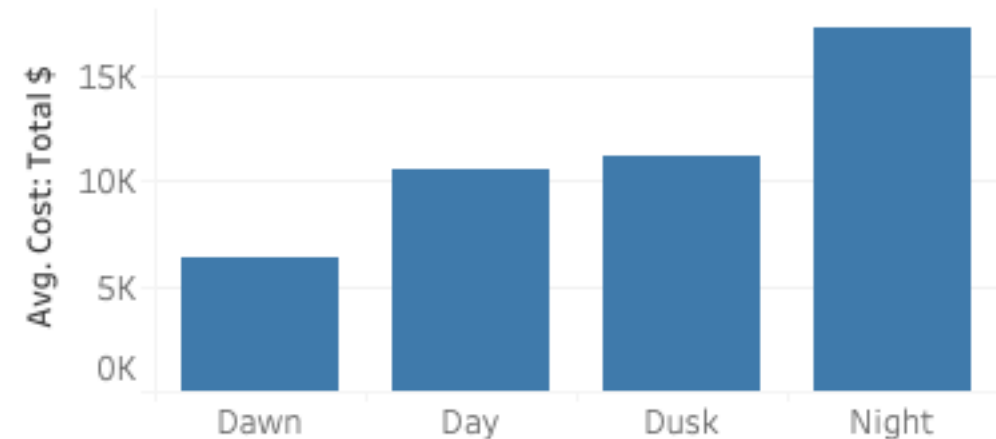
# What is the collision cost during time and forecast?



- There was an extraordinary value in 2009, with more than 40 M.
- The majority of incidents occur around summer.
- The projection for the next five years is like the actual values.

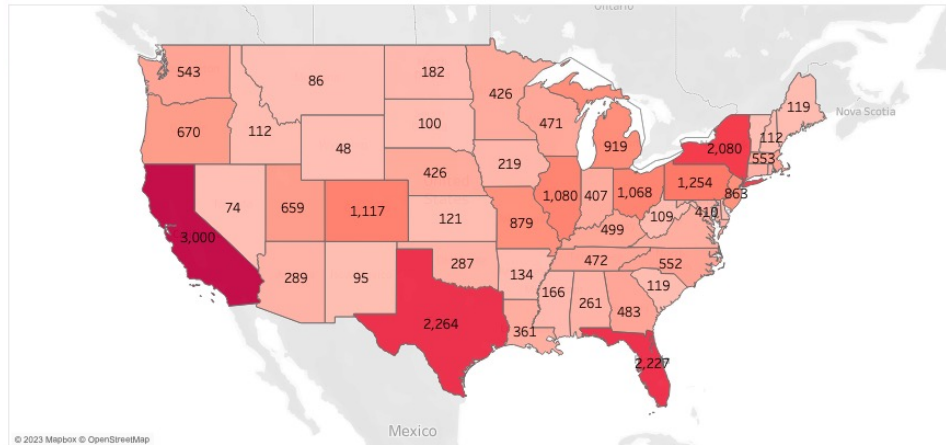
# Frequency of incidents at different times of the day

- Most strikes happened during the day.
- The most expensive on average occurred during the night time.

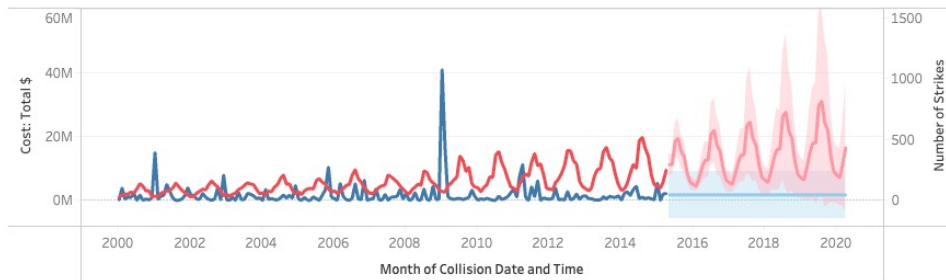


# Dashboard

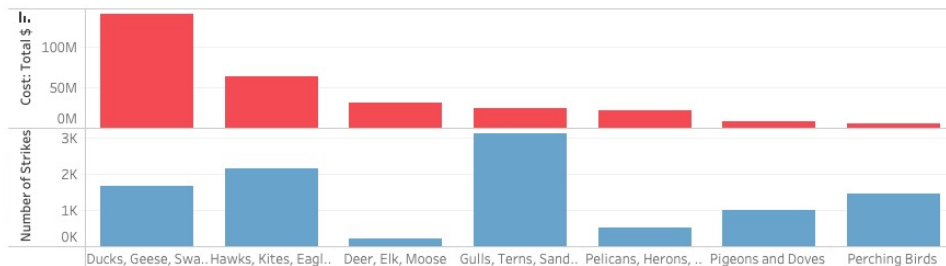
Number of Strikes by State



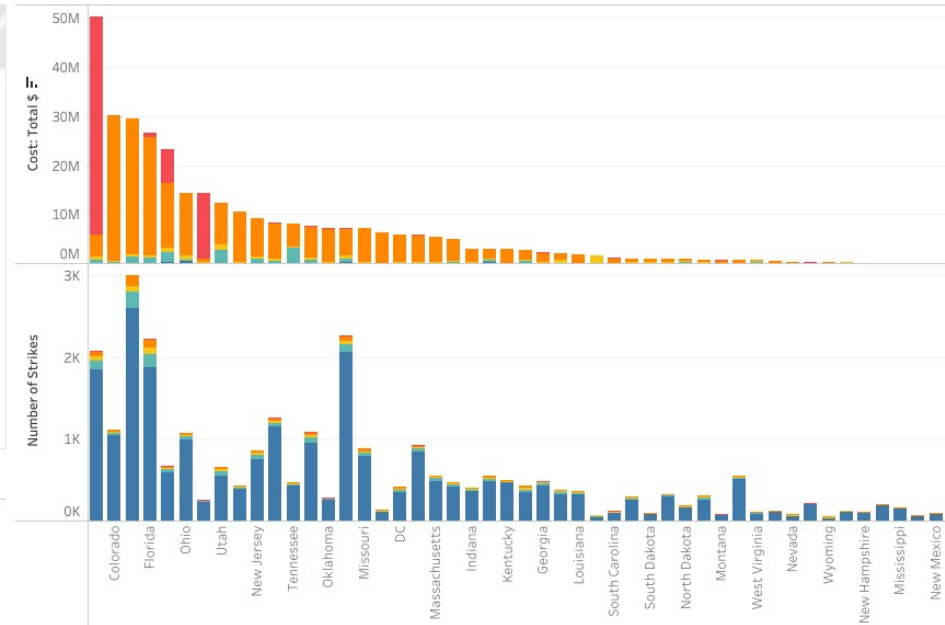
Collisions vs Cost by Date (with Forecast)



Strikes vs Cost by Species



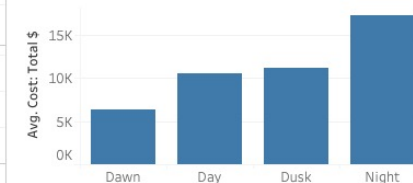
Number of Strikes vs Cost by State



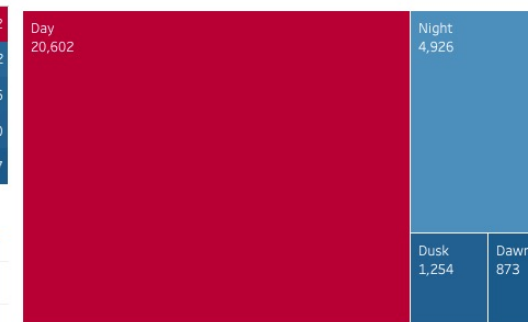
Strikes Effect on Flights



Time of Day vs Avg Cost by Strike



Number of Strikes by Time of Day



State: (All)

Amount of damage: (All)

Month/Year of Collision: January 2000 May 2015

Time of day: (All) Dawn Day Dusk Night



**Thank you!**

**Questions?**

