Presented by
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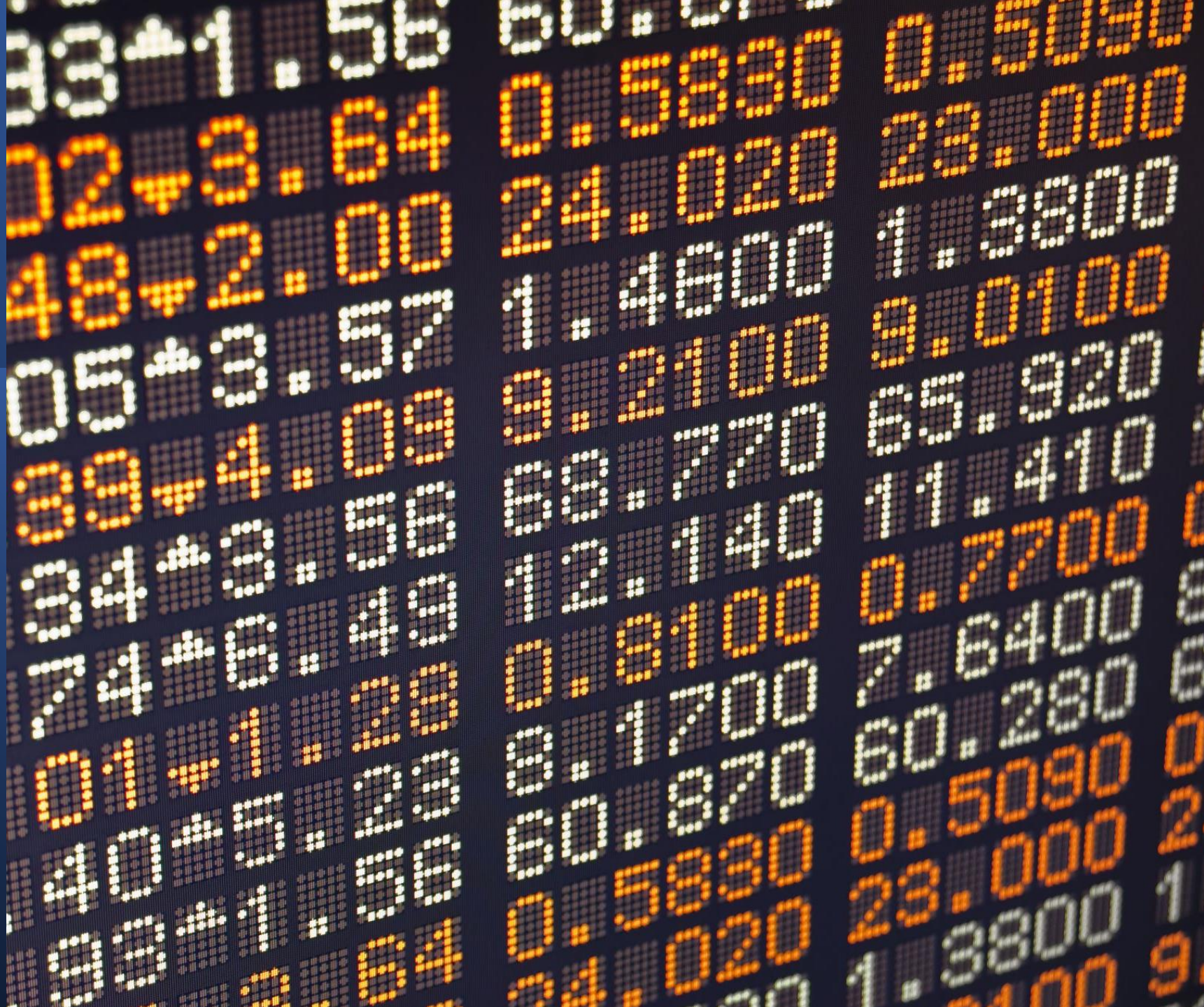
Data Visualization and Dashboards with Tableau

Federal Aviation Administration Wildlife Strikes Dataset

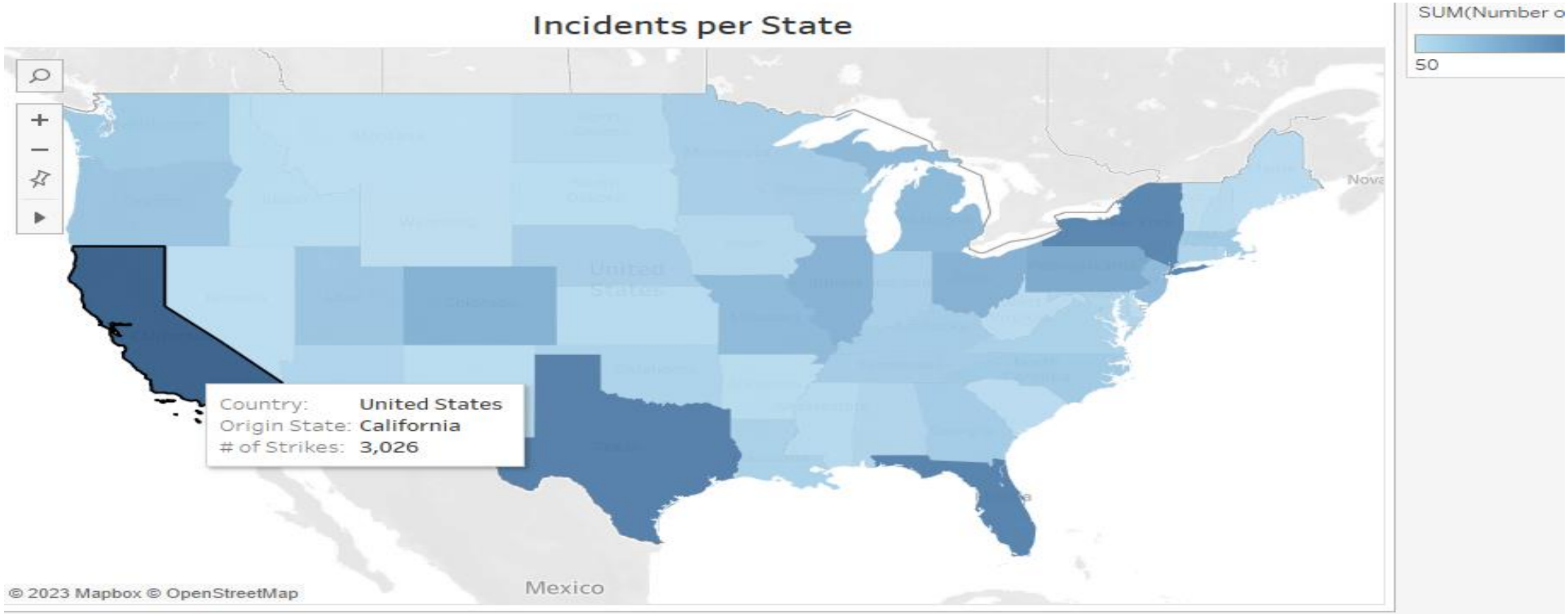
Dataset information



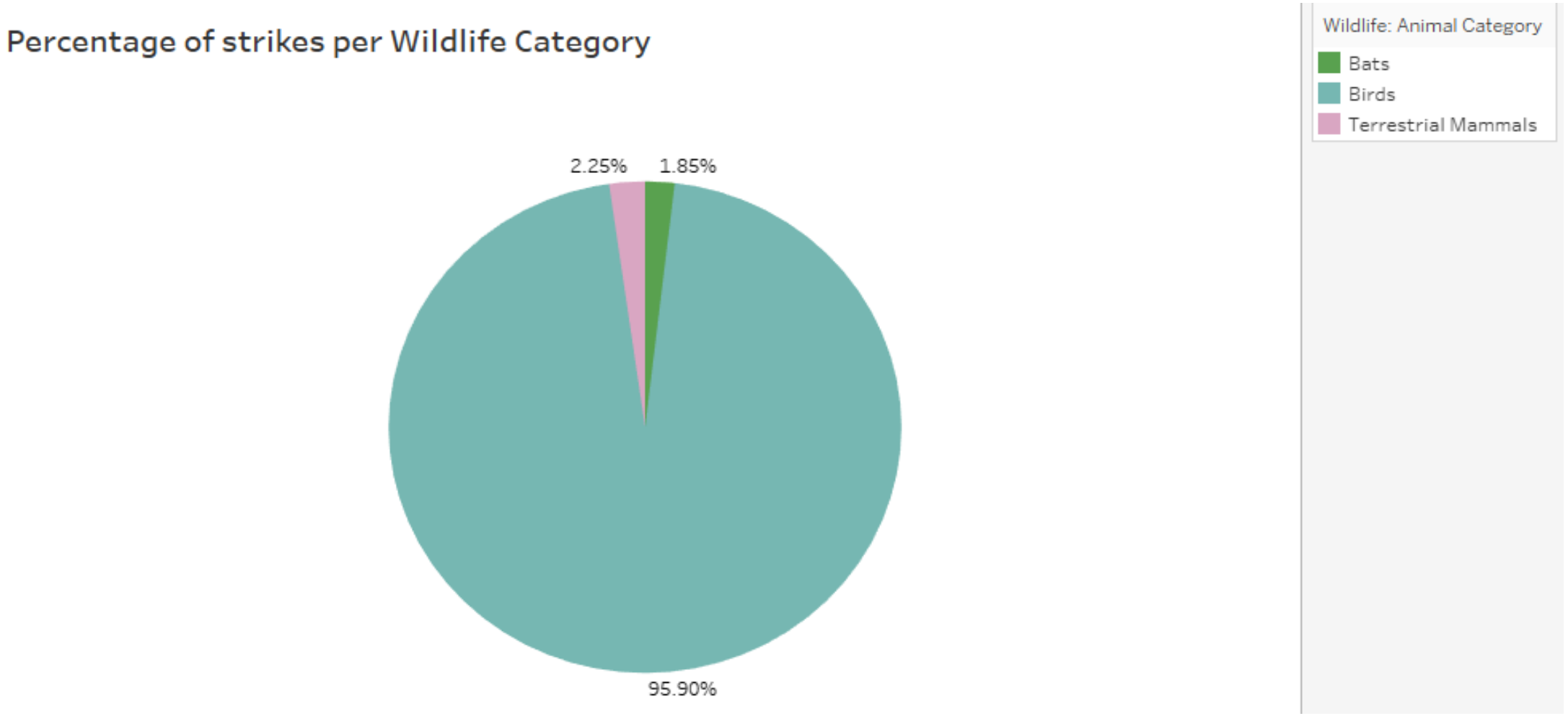
Questions

- Which state has the highest number of wildlife strikes
- Which wildlife category was the most responsible for those incidents
- Top ten species in this category
- In which phase of the flight did the strikes happened most often and to what extent did they cause damage
- What is the trend of the incidents over the years
- Forecast for number of strikes and cost of damage

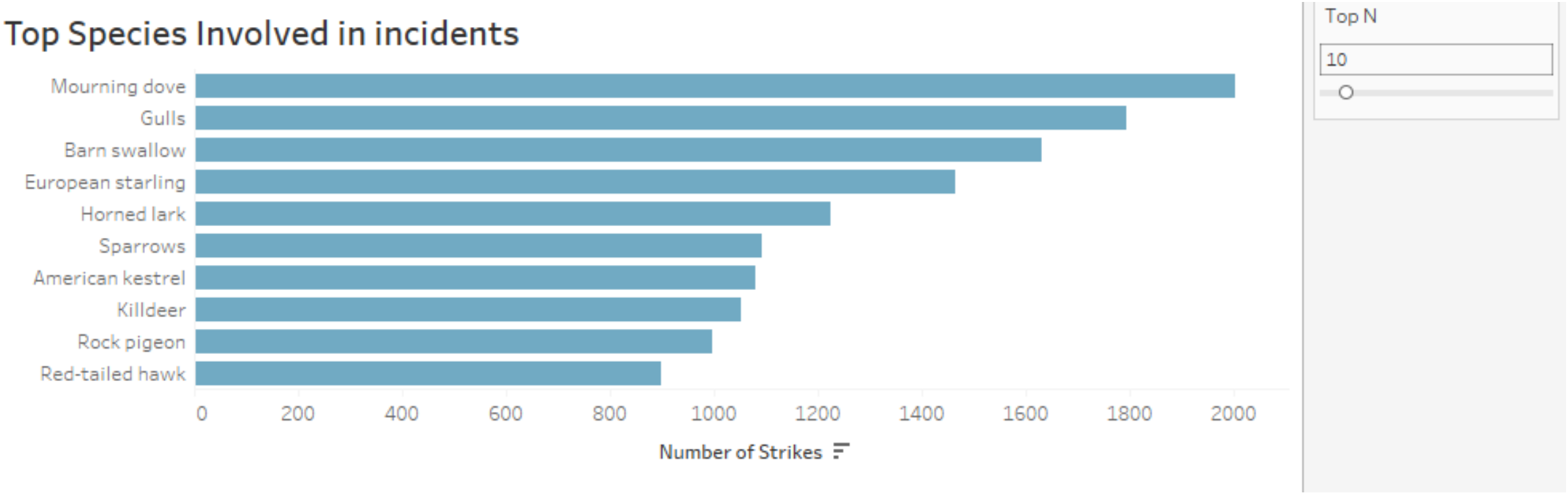
The state of California recorded the highest number of strikes



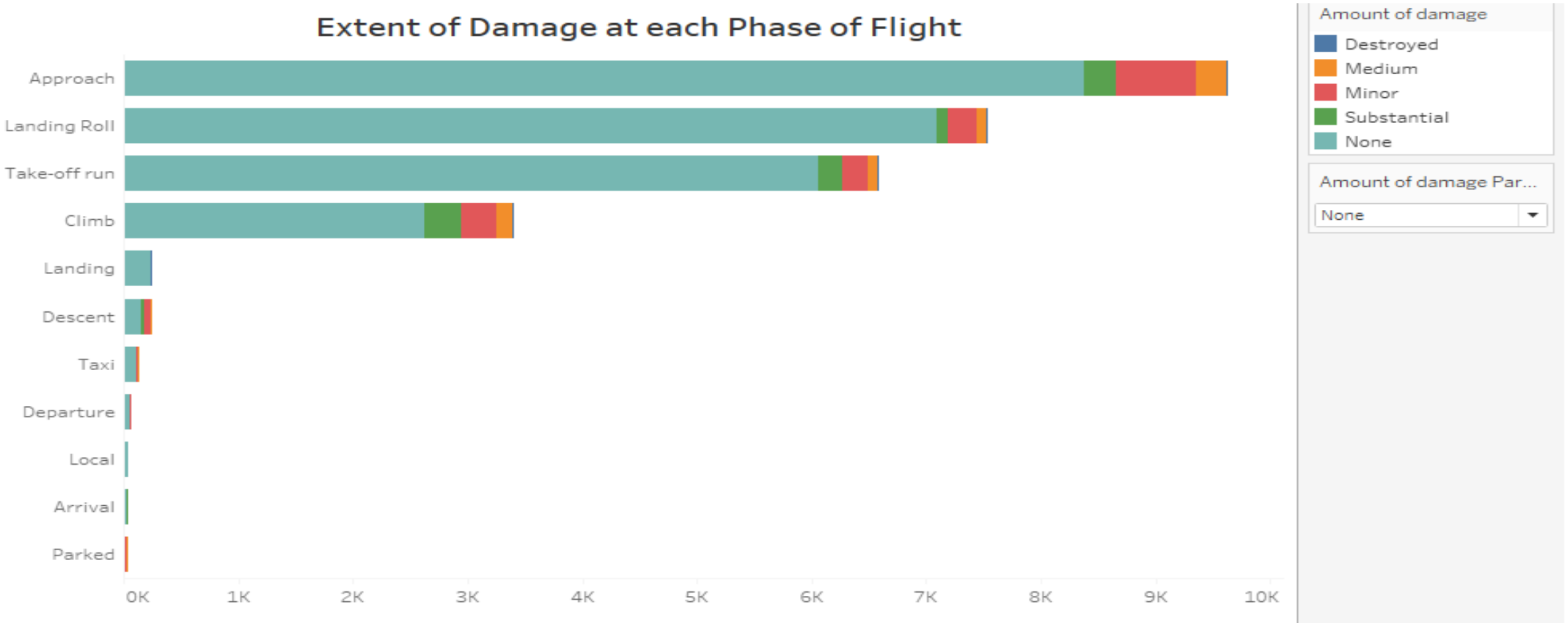
Birds caused the greatest number of incidents



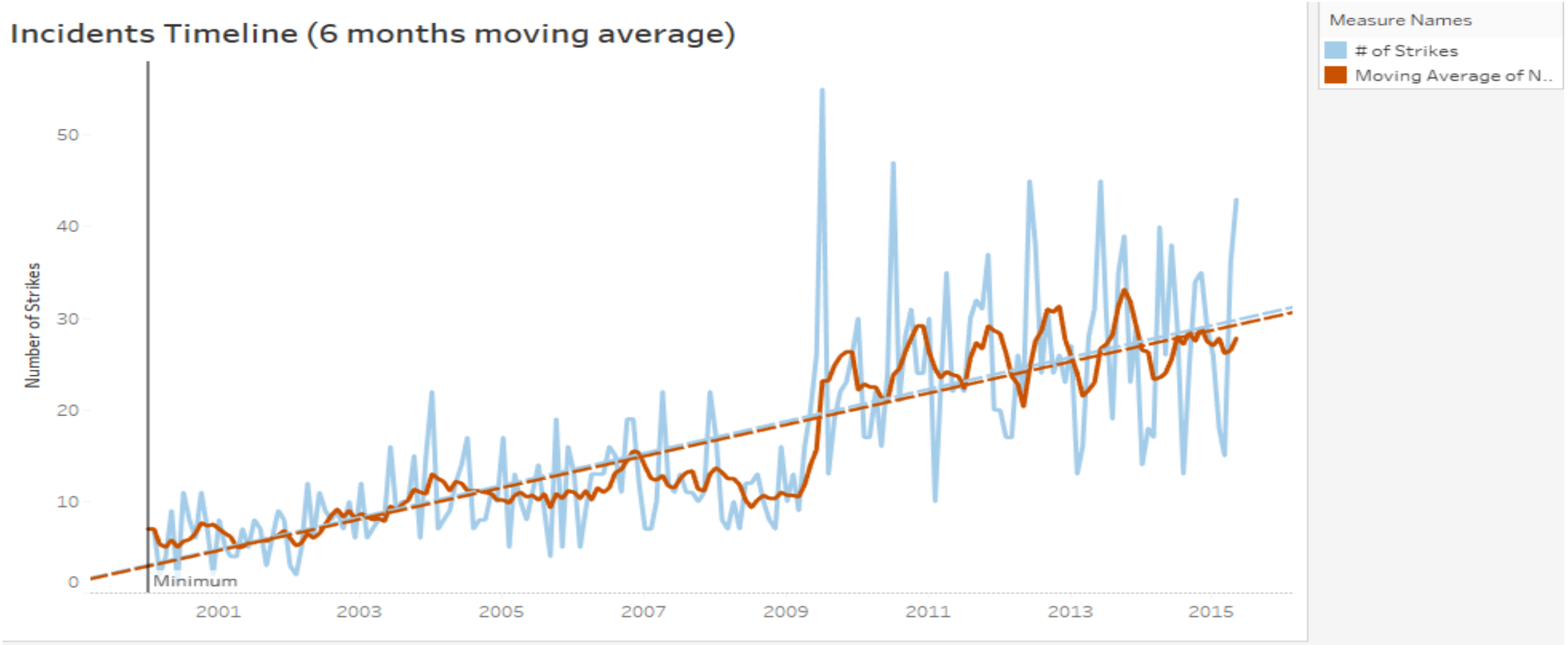
Top ten species in the Birds Category



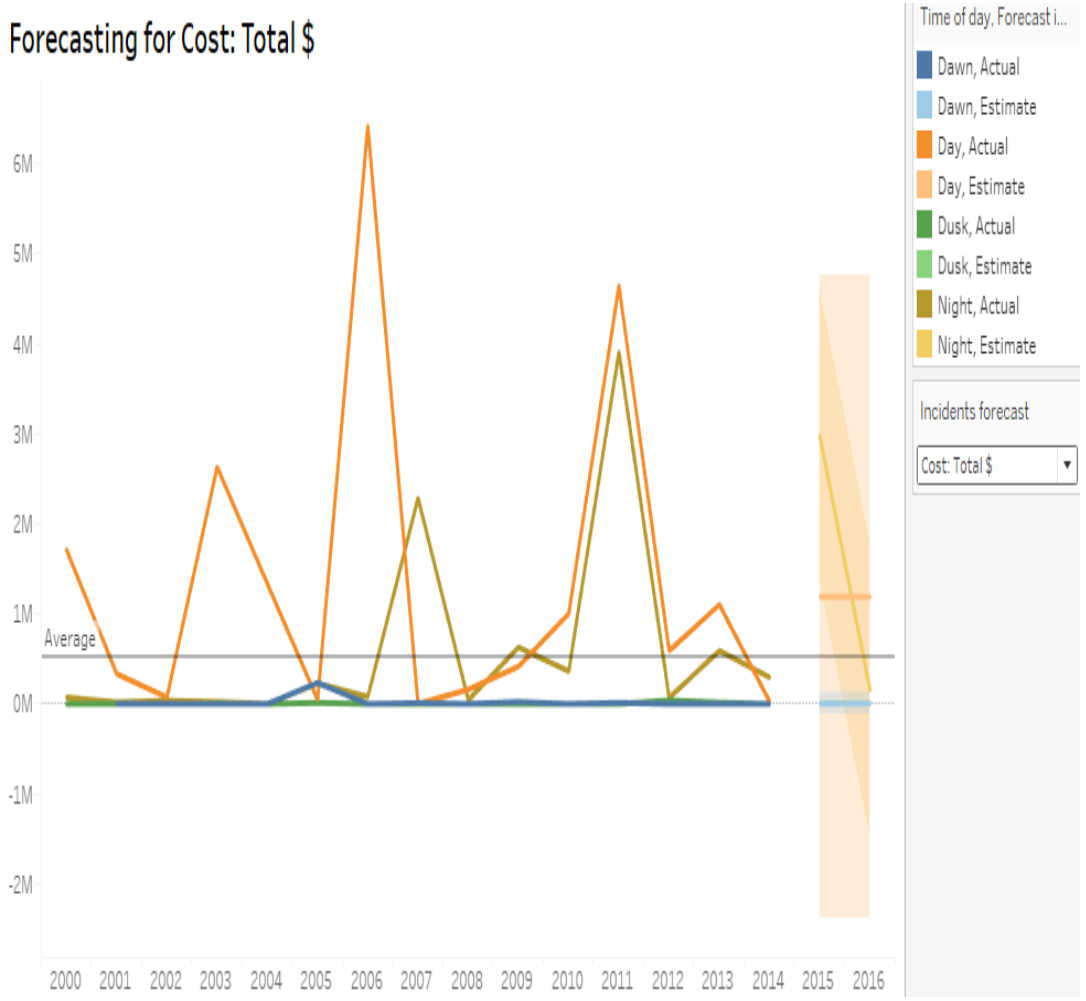
Damage shown by Phase of Flight

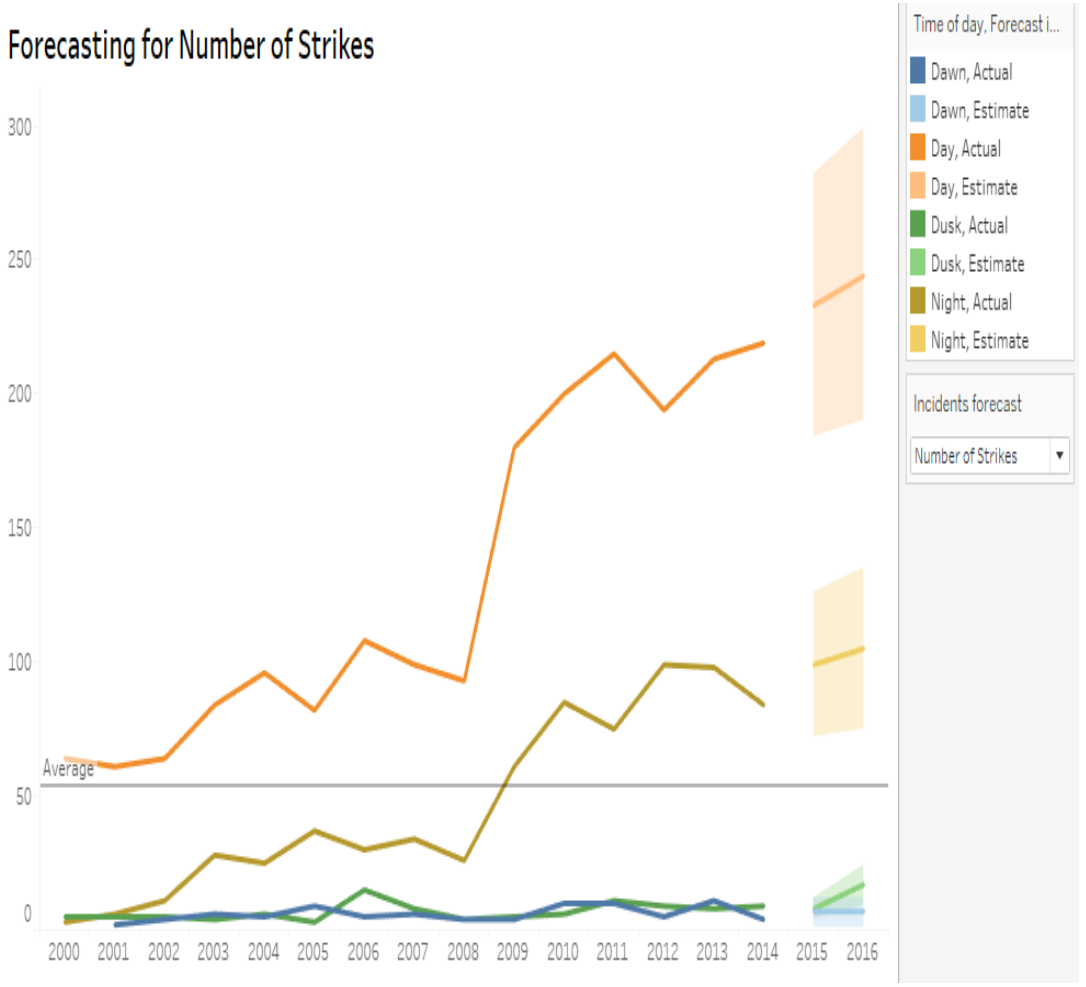


Trends of incidents over the years



Forecast for next two years



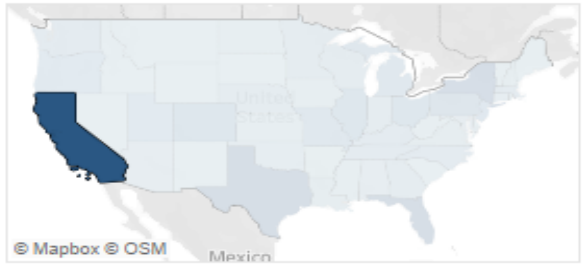


Dashboard

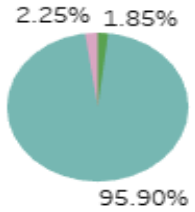
SUMMARY FOR Wildlife Strikes between 2000 and 2015

$29,671,432	3,026	192
Total Cost	# of Strikes	# of Wildlife Species involved

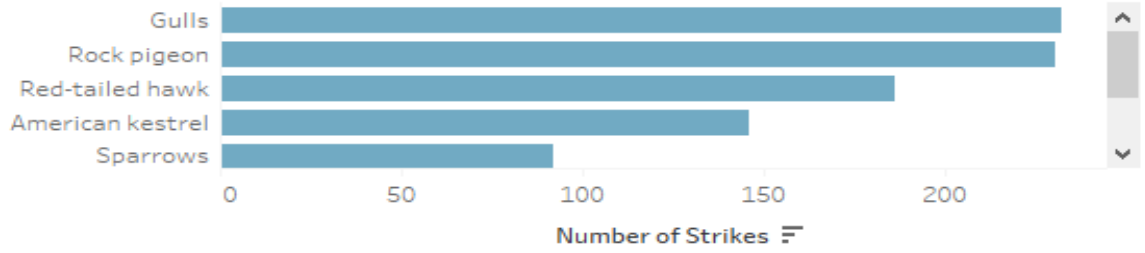
Incidents per State



Percentage of strikes per Wildlife Category

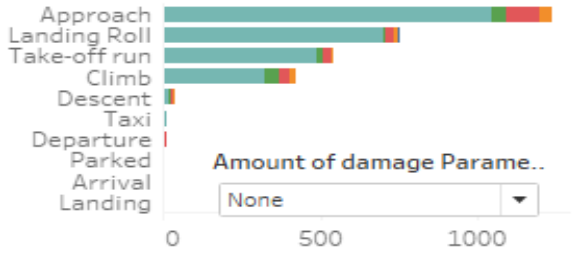


Top Species Involved in incidents

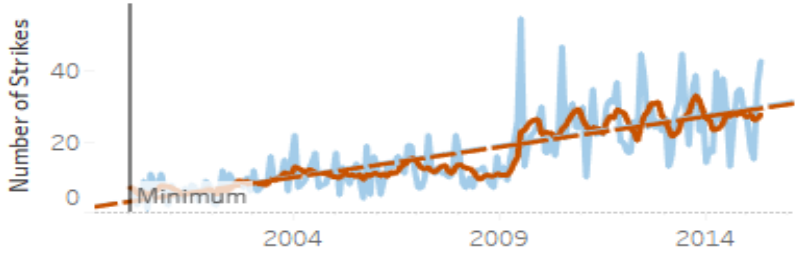


Top N 10

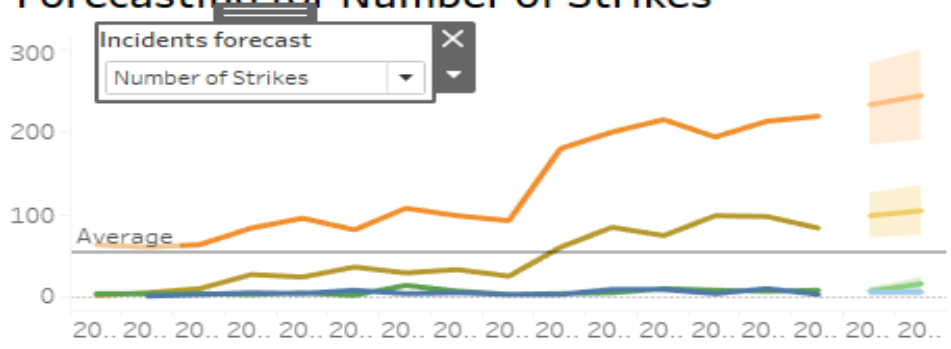
Extent of Damage at each Phase of Flight



Incidents Timeline (6 months moving average)



Forecasting for Number of Strikes



Data Source: FAA Wildlife Strikes (faa_data_subset) as of 2023-07-10 11:34:19 a.m.

Challenges / Goals

- Performing complex calculations with Level Of Detail expressions
- Using containers in dashboard
- I would explore more visualizations by using different fields
- I would like to master how to create calculated fields, creating parameters and using LOD expressions
- I would like to develop my skills creating interesting and interactive dashboard

THANK YOU