Data Visualization and Dashboards with Tableau

FAA Wildlife Strikes 2000-2015

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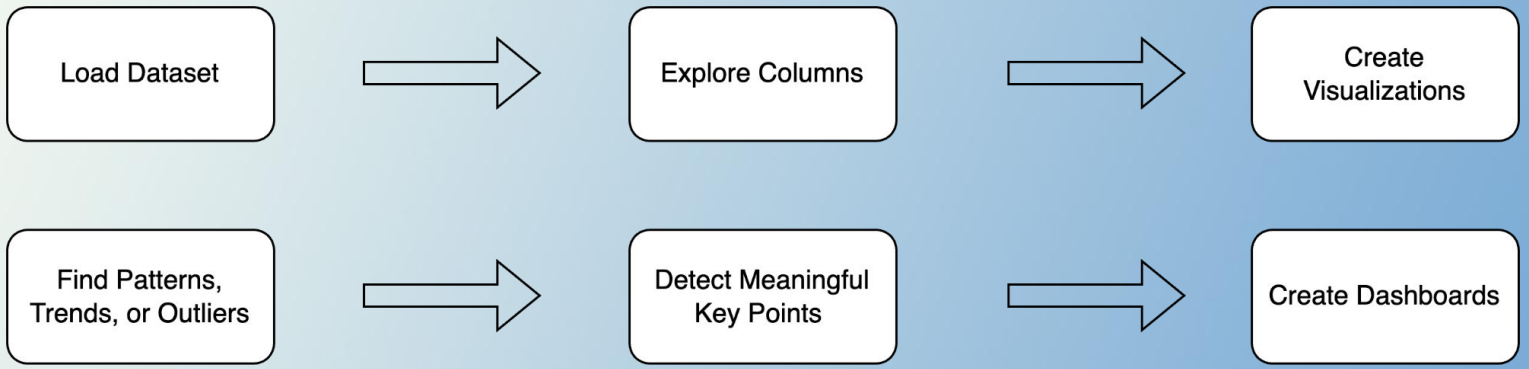
Project Flow Structure

Goal: Analyze a dataset from the Federal Aviation Administration (FAA) regarding wildlife strikes that occurred from 2000 to 2015 in the United States and transform the data into easily understandable visual insights.



Question 1

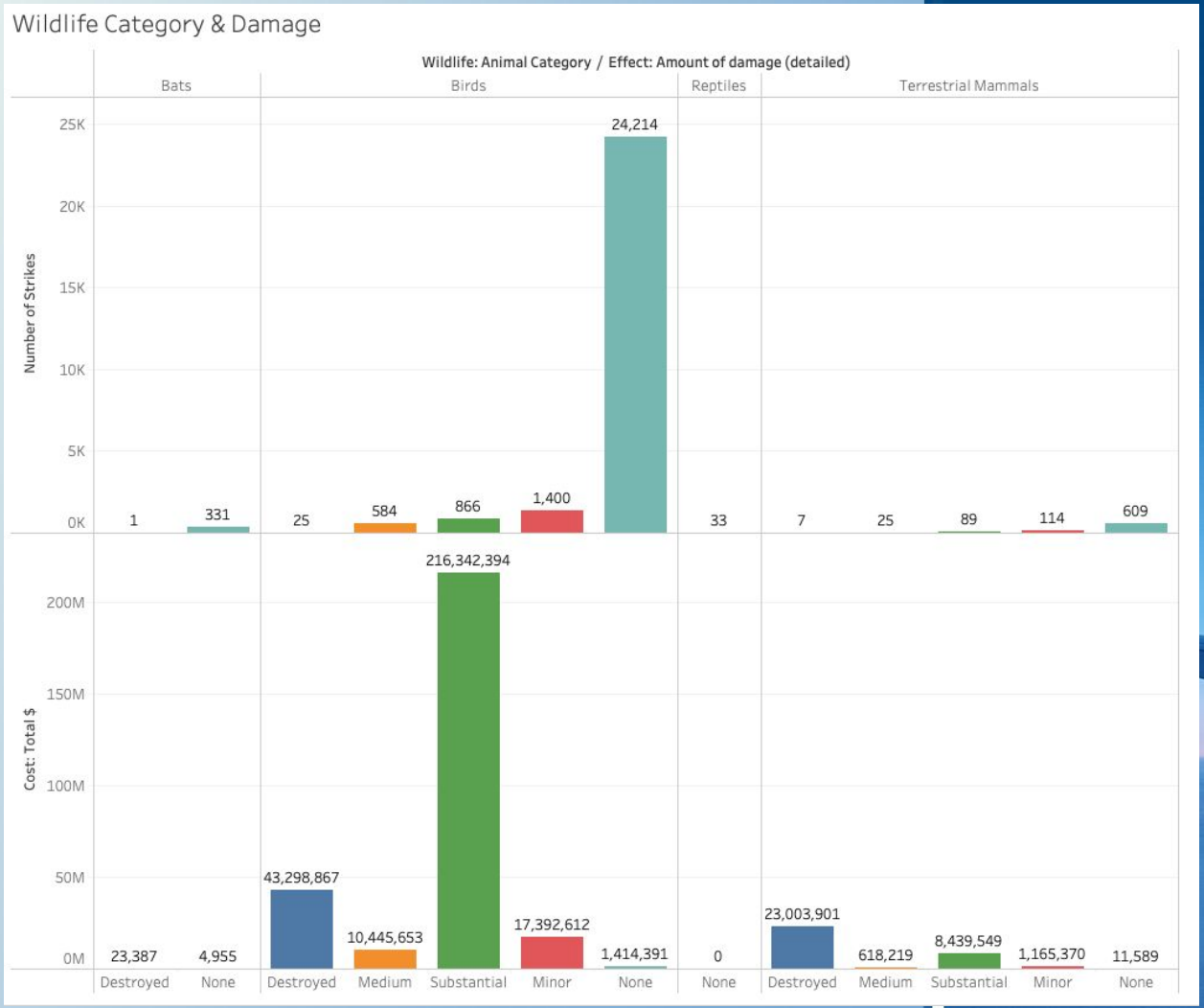
Which wildlife category has had the most collisions?

Wildlife: Category

Wildlife: Animal Category	% of Total Number of Strikes along Wildlife: A..	Number of Strikes
Birds	95.73%	27,089
Terrestrial Mammals	2.98%	844
Bats	1.17%	332
Reptiles	0.12%	33

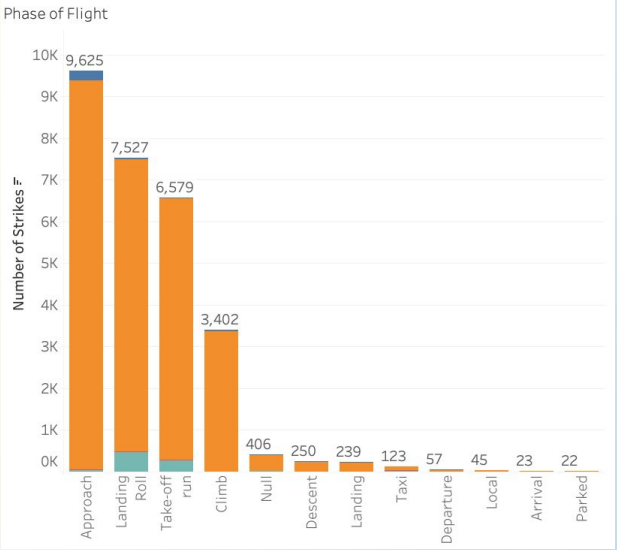
Question 2

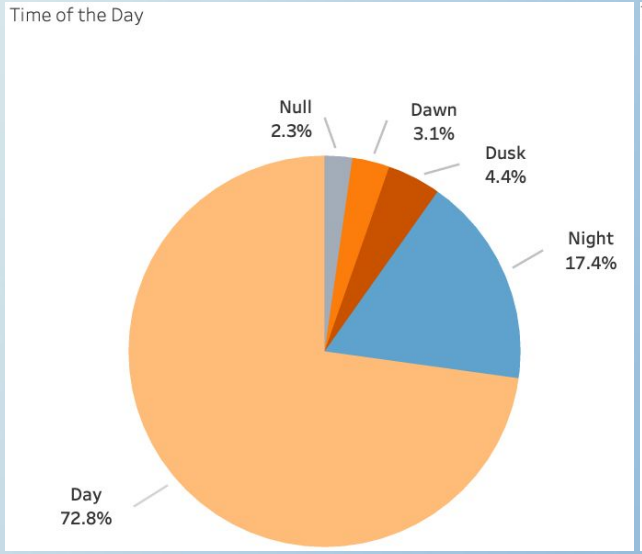
What types of damage occurred by wildlife category?

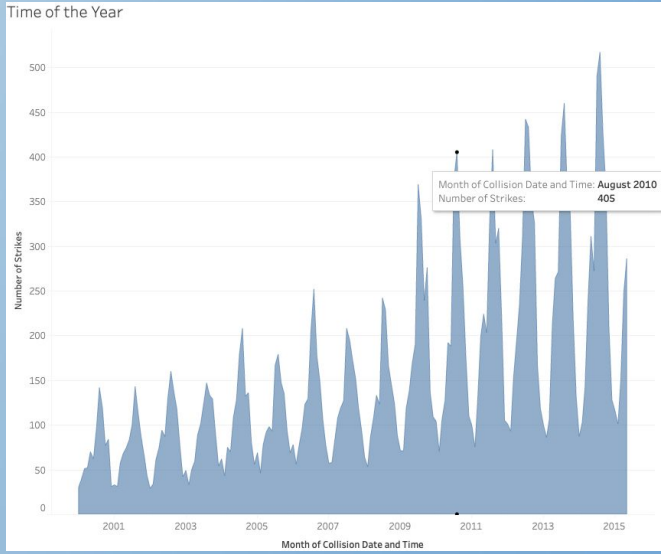


Question 3

When did the majority of the collisions occur?
(phase of the flight, time of the day, time of the year)

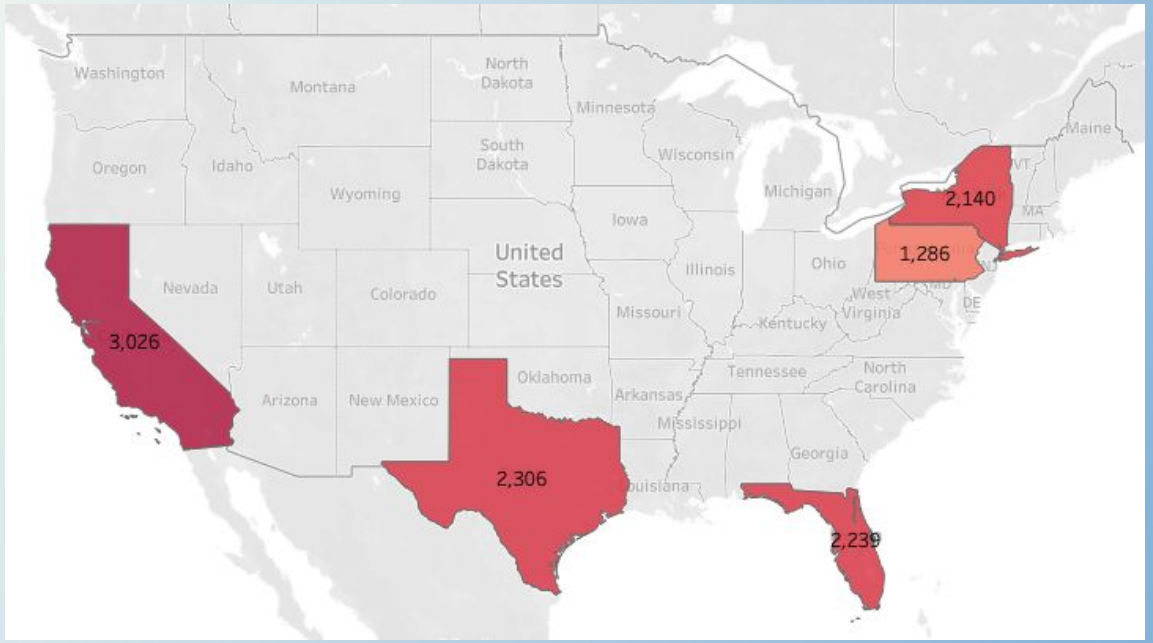






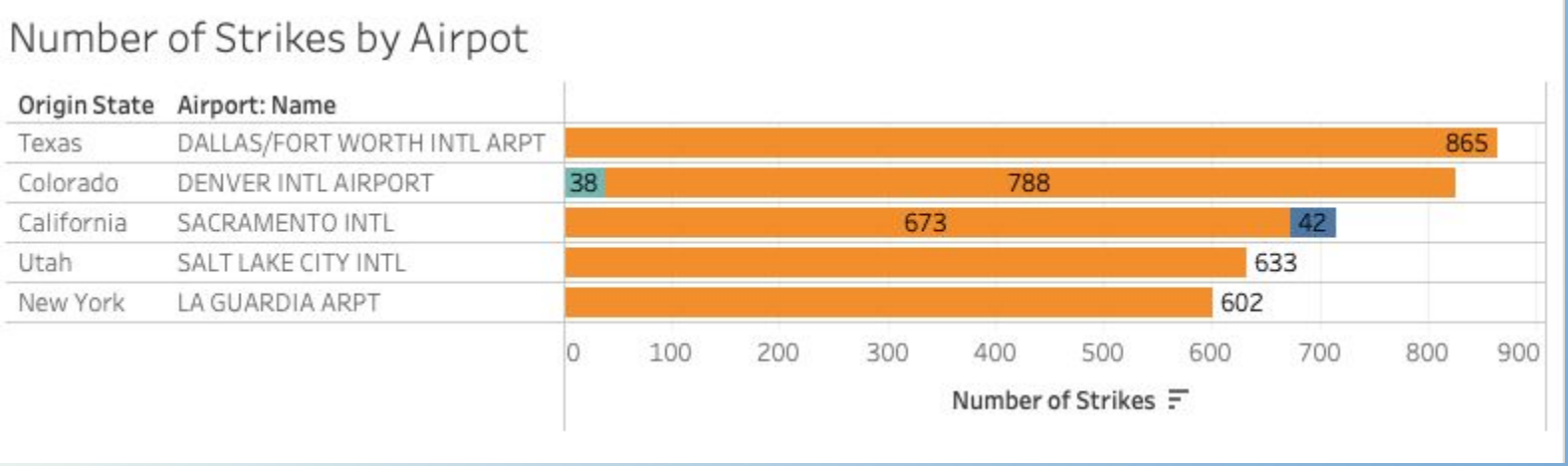
Question 4

What are the top five states with the highest number of collisions?



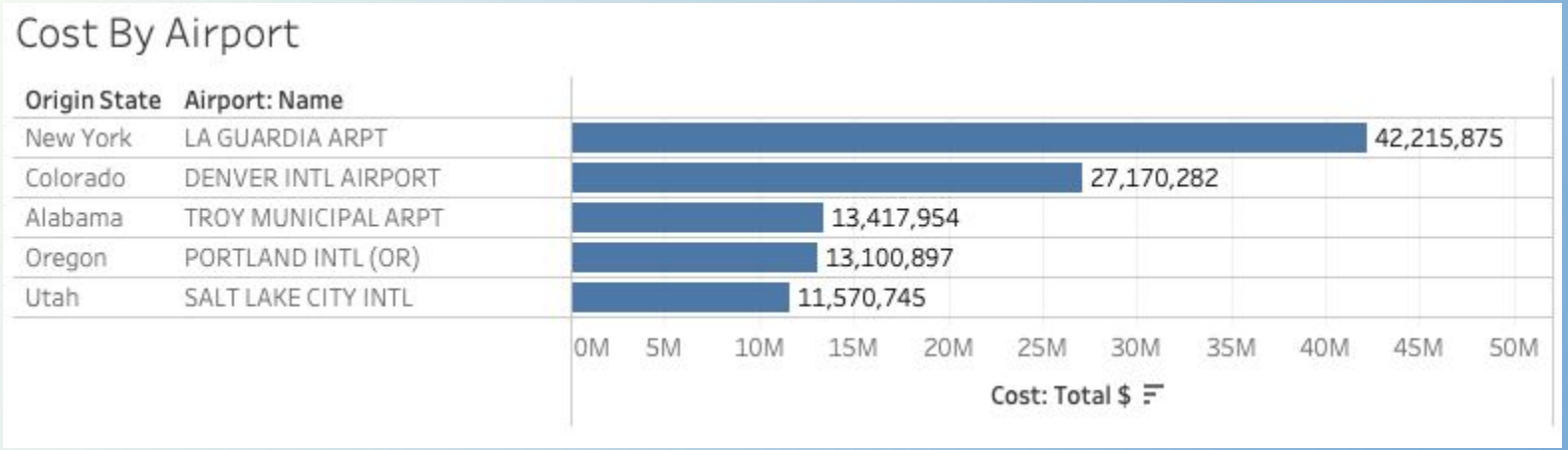
Question 5

What are the top five airports with the highest number of collisions?



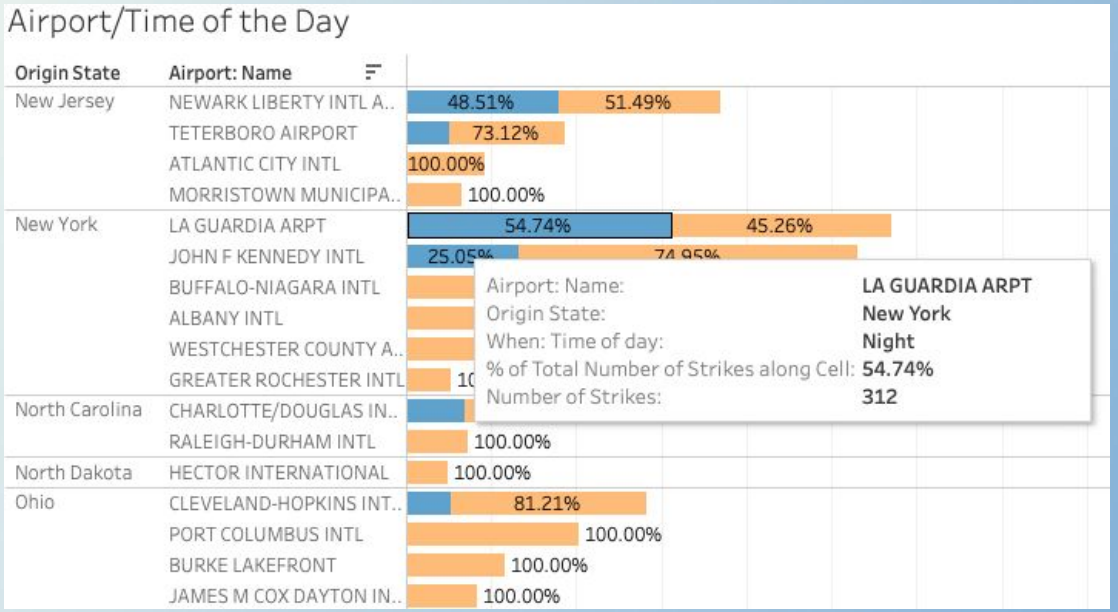
Question 6

What are the top five airports with the highest cost caused by collisions?



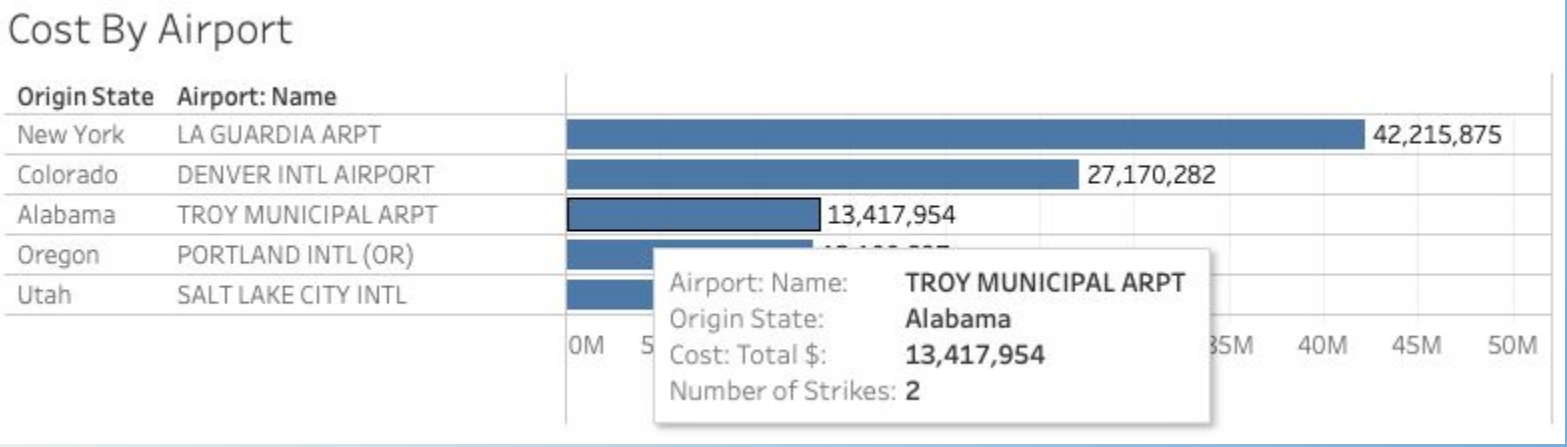
Outlier 1

LaGuardia Airport in NY is the only airport with more collisions at night than during the day.



Outlier 2

Despite having only 2 collisions, Troy Municipal Airport in AL ranks third in terms of cost.



Challenges

Due to Tableau's high level of customization, it can be challenging to find specific tools or perform certain tasks. The abundance of options can sometimes be overwhelming.

Future Goals

Given more time, it would be interesting to analyze the number of flights per airport per year to provide additional context to the number of collisions.

Thank you!

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