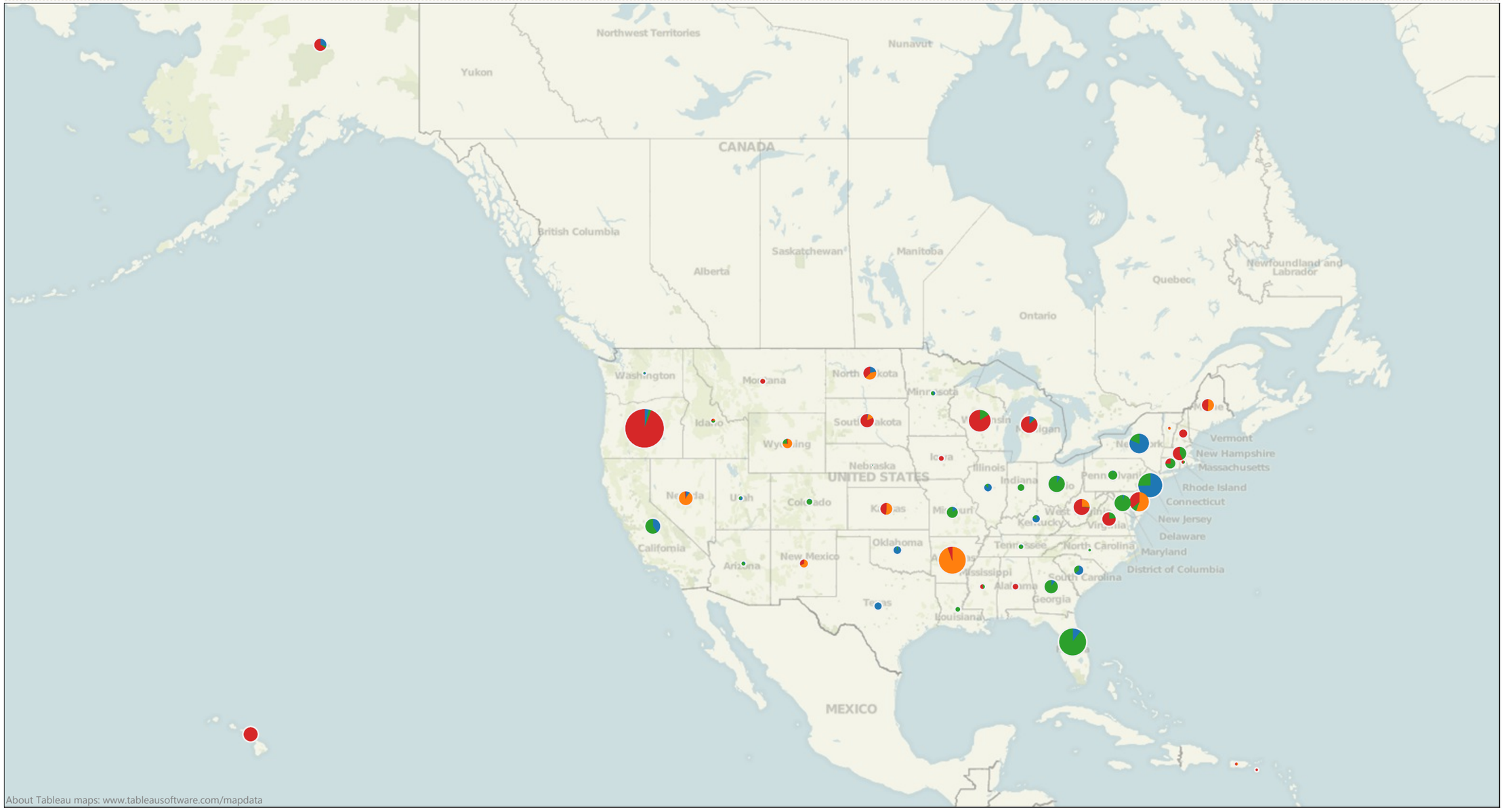
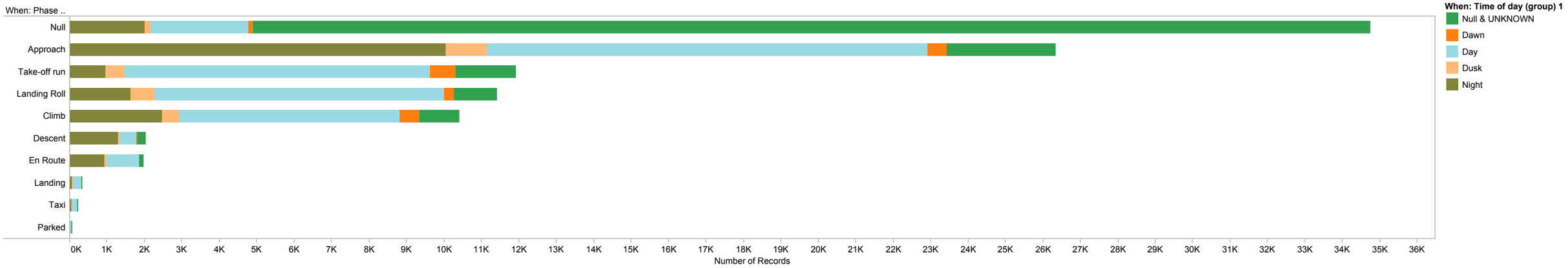
What cost is incurred with strikes in various states?



US Map view to showing the what time of the day have the states incurred the cost because of the collisions.

Map based on Longitude (generated) and Latitude (generated). Color shows details about When: Time of day. Size shows sum of Cost: Total $. Details are shown for Origin State. The data is filtered on When: Time of day (group), which excludes Null & UNKNOWN.

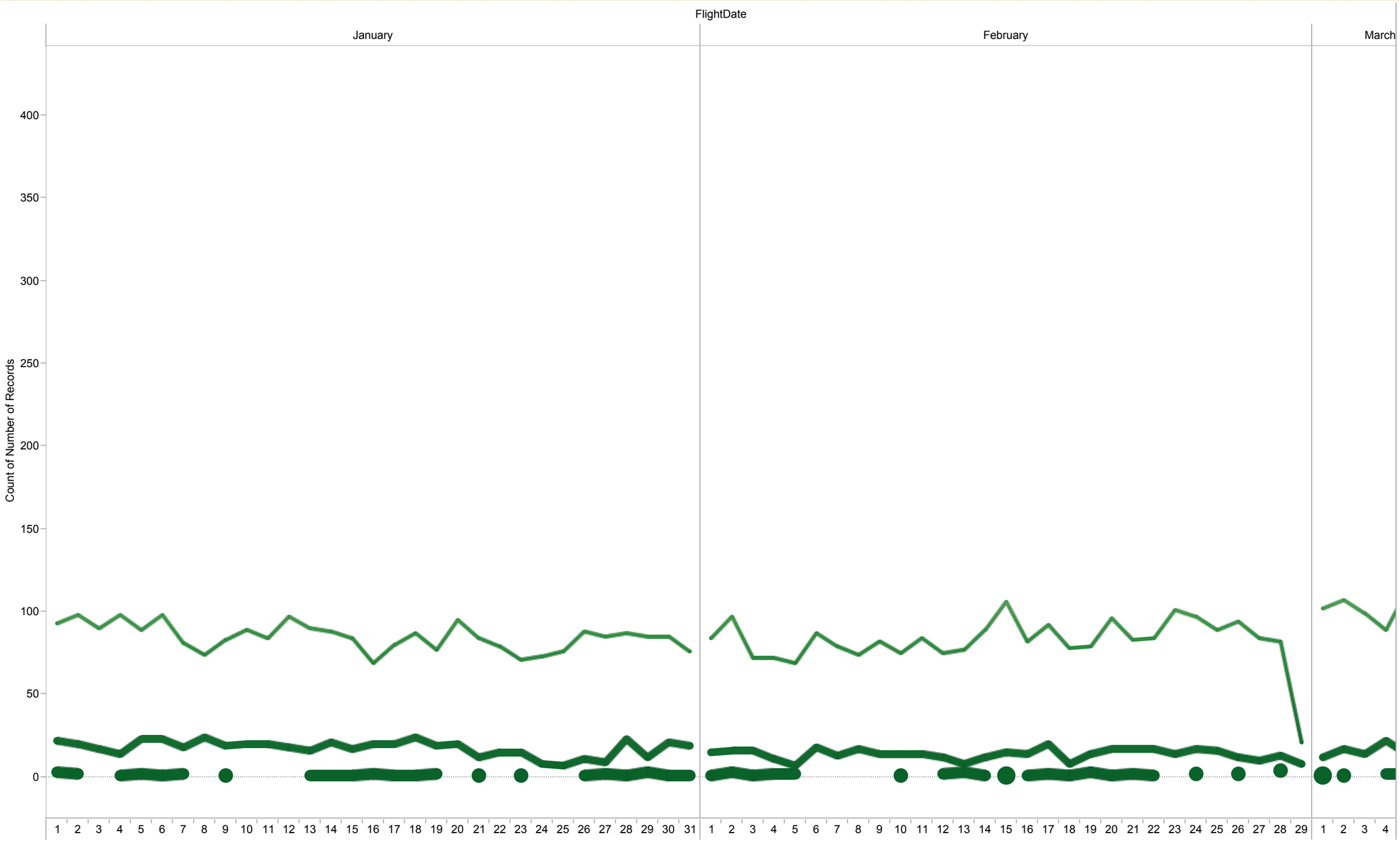
What is the impact of collision time on the phase of the flight?



Visualization of the Phase of the flight at which the maximum collisions happen with a breakup of time of the day.

Sum of Number of Records for each When: Phase of flight. Color shows details about When: Time of day (group) 1. The data is filtered on Wildlife: Species, which keeps 609 of 609 members. The view is filtered on When: Phase of flight and When: Time of day (group) 1. The When: Phase of flight filter keeps 10 of 10 members. The When: Time of day (group) 1 filter excludes Null & UNKNOWN.

Monthly Collisions [to determine if its due to migration of birds]



Wildlife: Number struck

- 1
- 2 to 10
- 11 to 100
- Over 100

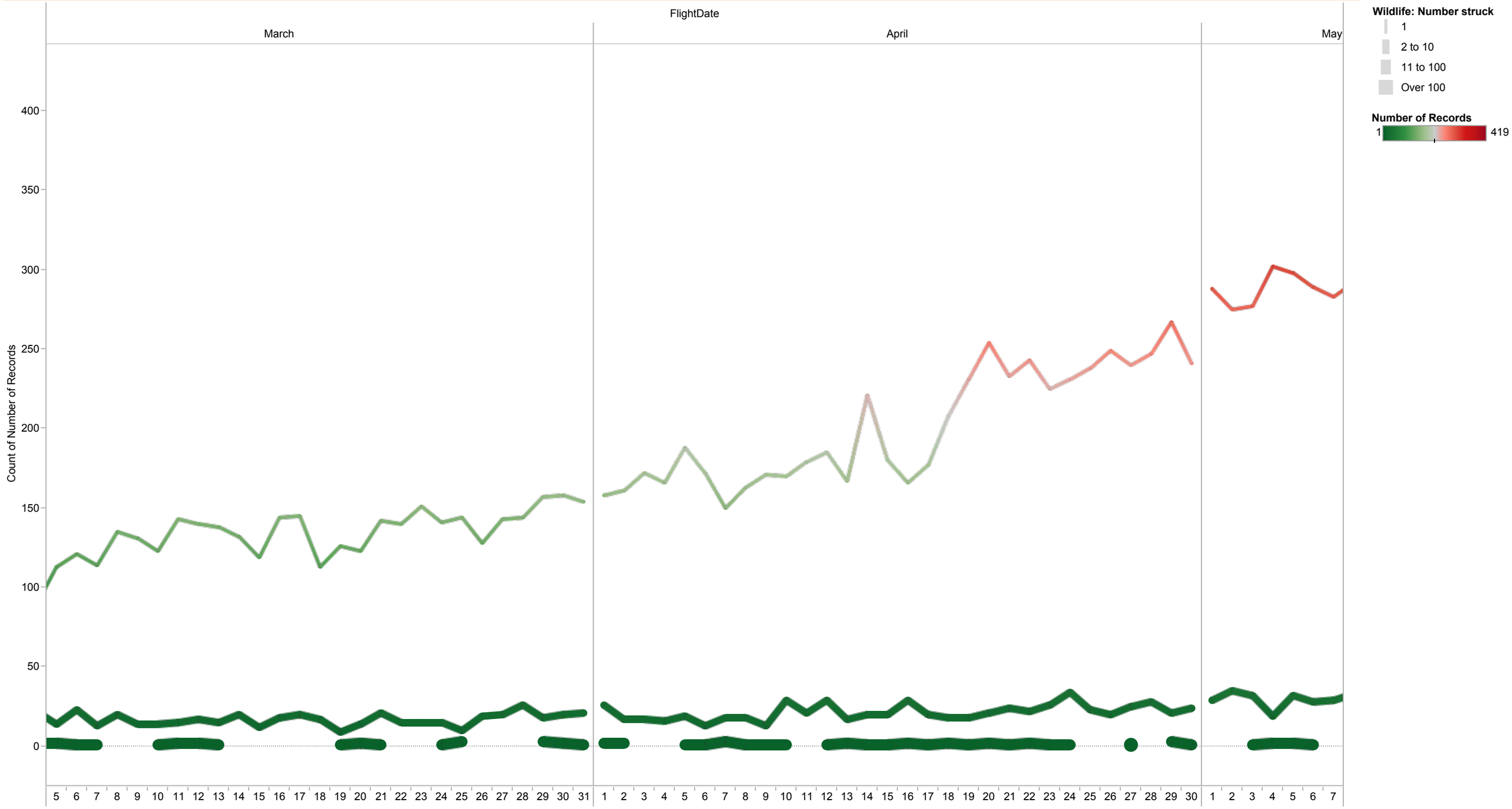
Number of Records

1 — 419

Visualization to show the months in which the maximum bird collisions happen. This mostly shows the migratory aspects of the birds in US.

The trend of count of Number of Records for FlightDate Month. Color shows sum of Number of Records. Size shows details about Wildlife: Number struck. The view is filtered on Wildlife: Number struck, which keeps 1, 11 to 100, 2 to 10 and Over 100.

Monthly Collisions [to determine if its due to migration of birds]



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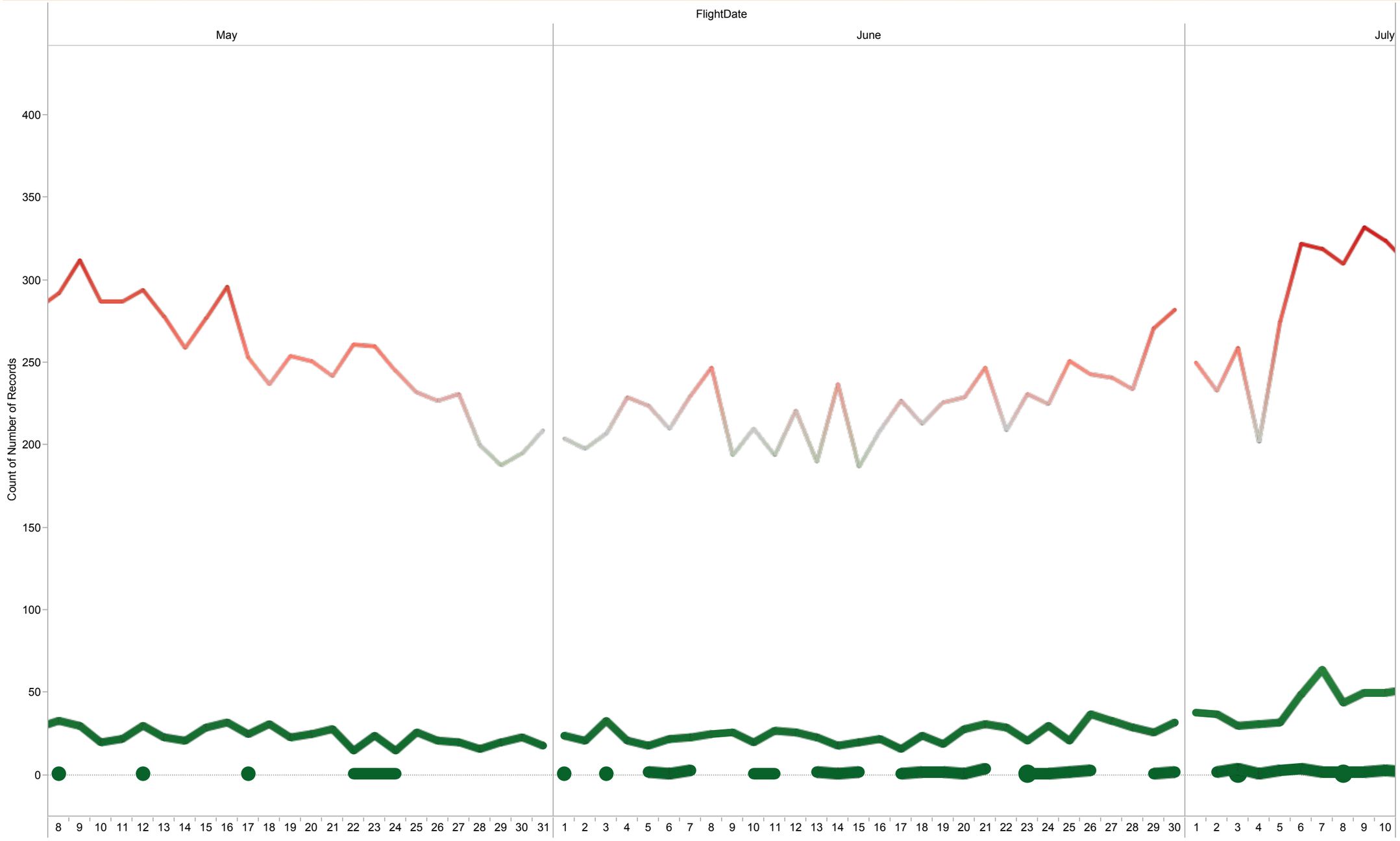
Monthly Collisions [to determine if its due to migration of birds]



Wildlife: Number struck

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- 2 to 10
- 11 to 100
- Over 100

Number of Records

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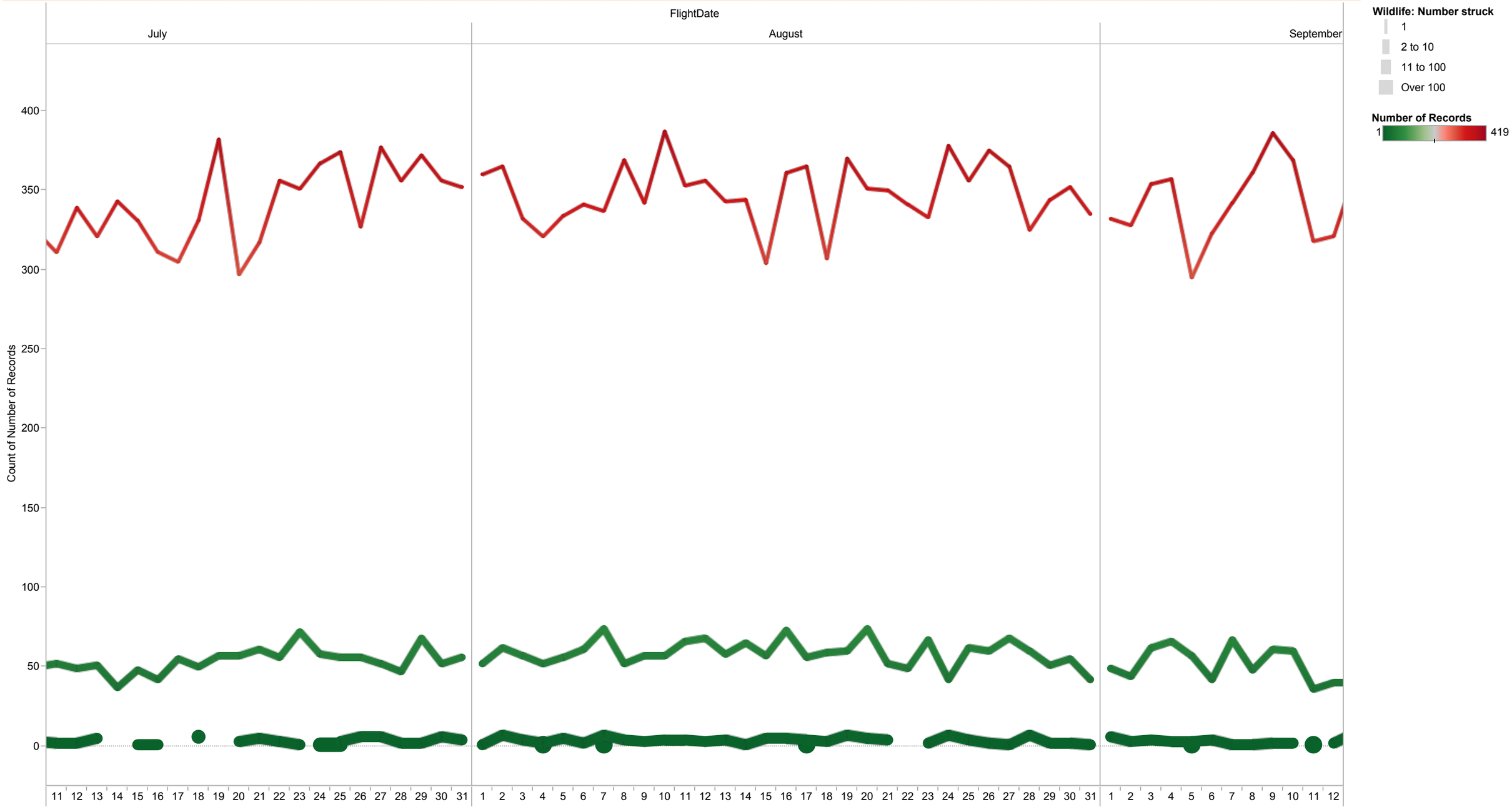

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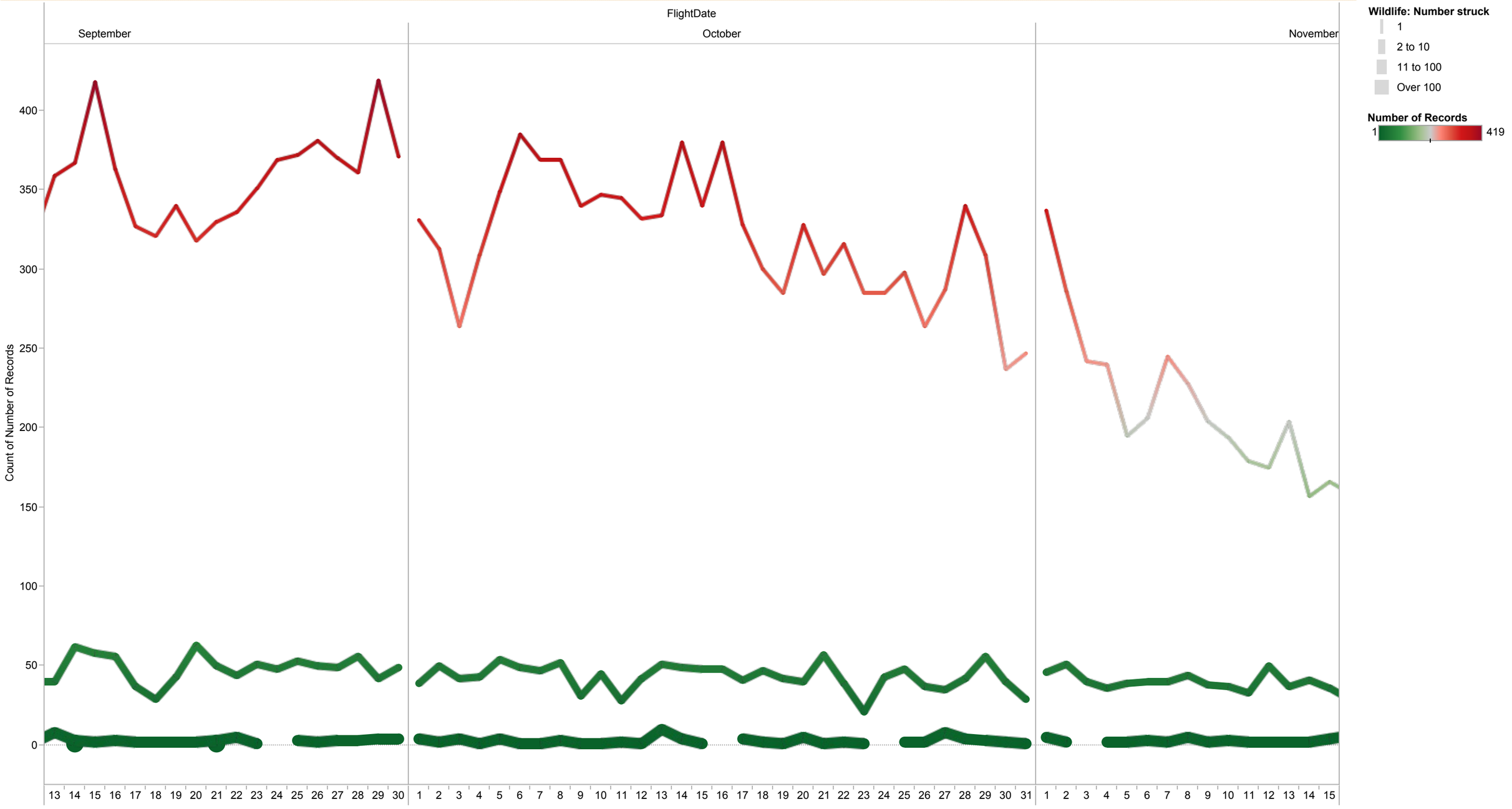
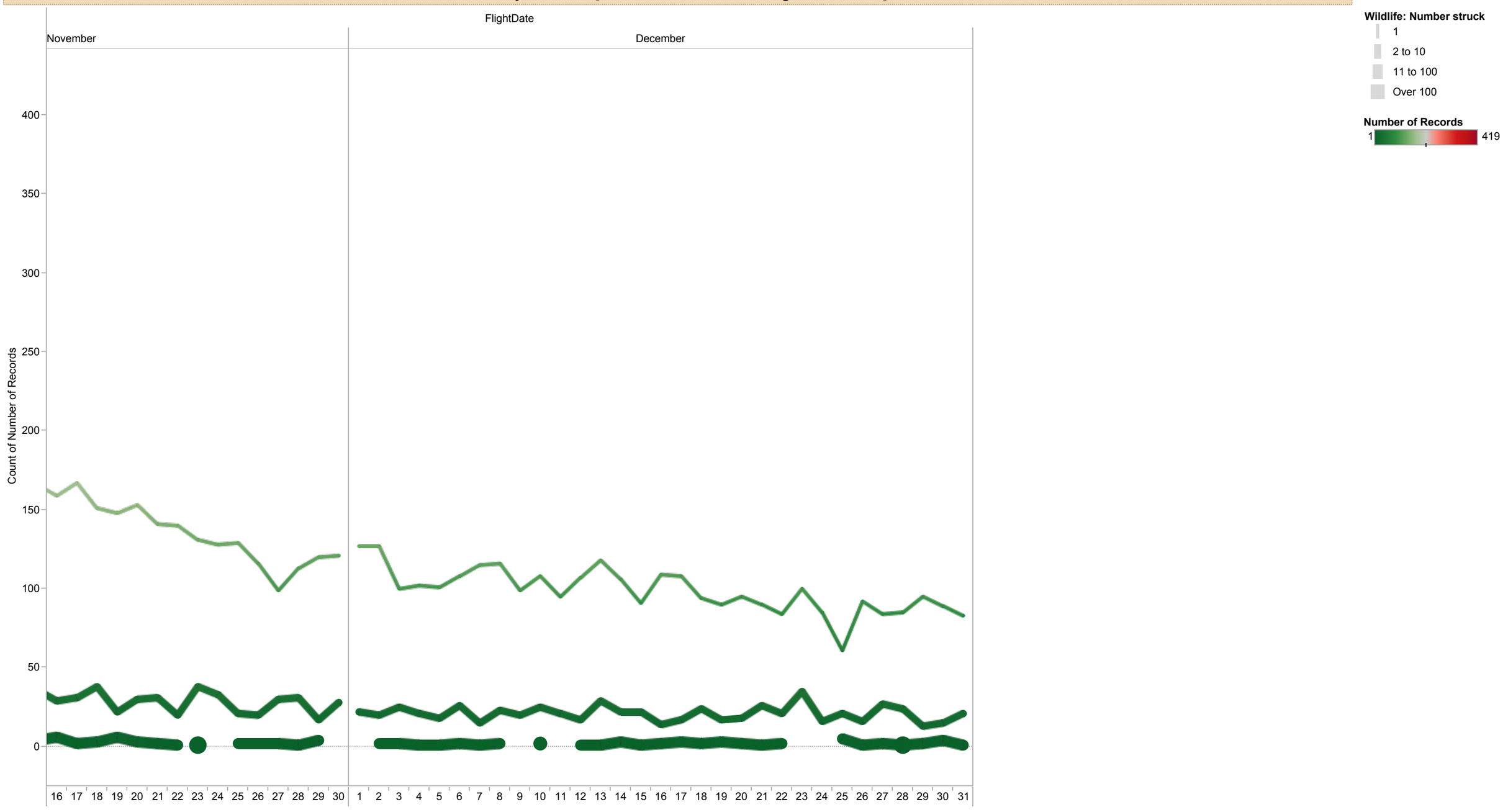
Monthly Collisions [to determine if its due to migration of birds]



Visualization to show the months in which the maximum bird collisions happen. This mostly shows the migratory aspects of the birds in US.

The trend of count of Number of Records for FlightDate Month. Color shows sum of Number of Records. Size shows details about Wildlife: Number struck. The view is filtered on Wildlife: Number struck, which keeps 1, 11 to 100, 2 to 10 and Over 100.

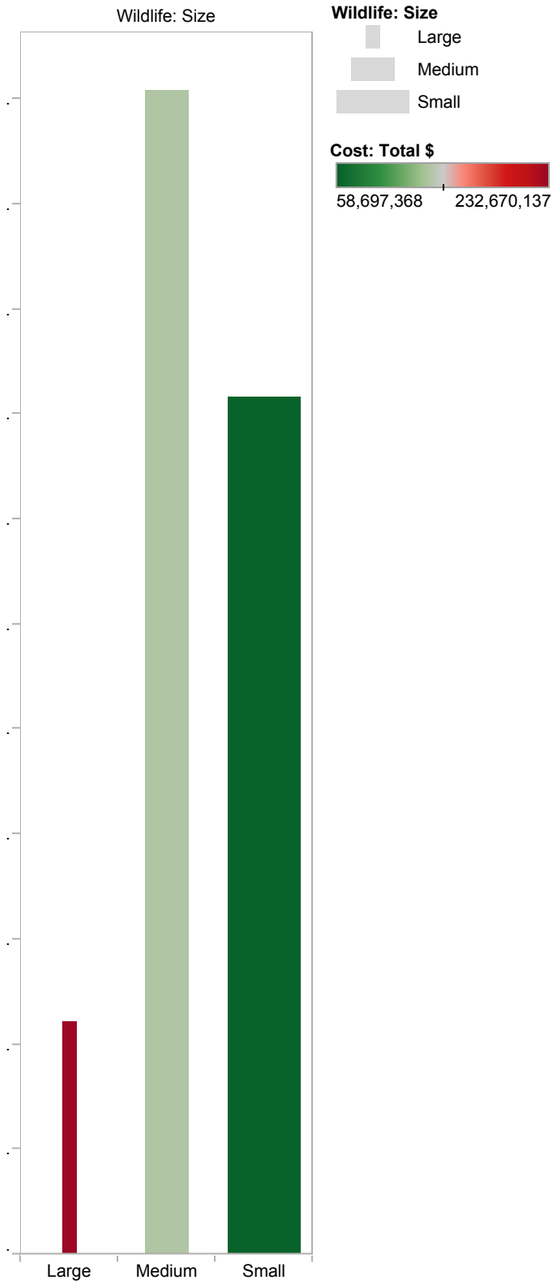
Monthly Collisions [to determine if its due to migration of birds]



Visualization to show the months in which the maximum bird collisions happen. This mostly shows the migratory aspects of the birds in US.

The trend of count of Number of Records for FlightDate Month. Color shows sum of Number of Records. Size shows details about Wildlife: Number struck. The view is filtered on Wildlife: Number struck, which keeps 1, 11 to 100, 2 to 10 and Over 100.

Which Wildlife Size and at what Altitude collisions are costly?



Wildlife: Size
- Large
- Medium
- Small

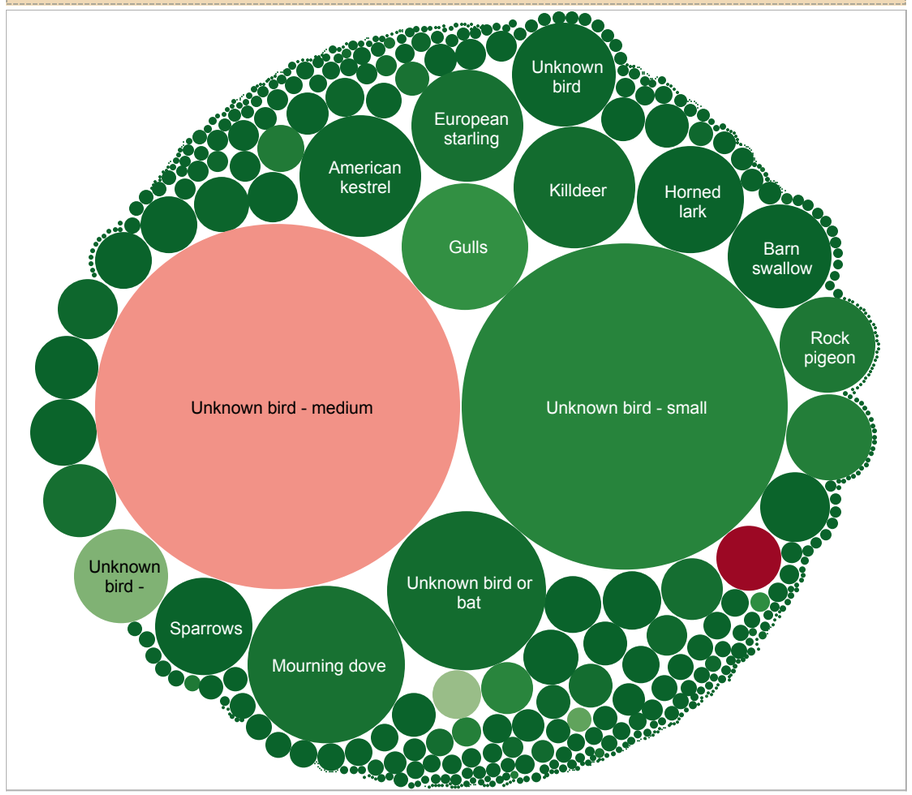
Cost: Total $

58,697,368 232,670,137

Visualization for what size of the bird, above what feet had the impact on the cost incurred.

Sum of Feet above ground for each Wildlife: Size. Color shows sum of Cost: Total $. Size shows details about Wildlife: Size. The view is filtered on Wildlife: Size, which keeps Large, Medium and Small.

How does the collisions by species look?

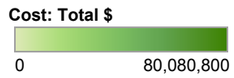


Cost: Total $

0 80,080,800

Wildlife: Species. Color shows sum of Cost: Total $. Size shows sum of Number of Records. The marks are labeled by Wildlife: Species. The data is filtered on FlightDate Year, count of Cost: Total $, Action (When: Phase of flight,When: Time of day (group) 1), Action (Wildlife: Species), Action (Origin State,When: Time of day), Action (MONTH(FlightDate),Wildlife: Number struck), Action (Altitude bin), Action (MONTH(FlightDate),DAY(FlightDate),Wildlife: Number struck) and Action (Wildlife: Size). The FlightDate Year filter keeps 12 of 12 members. The count of Cost: Total $ filter ranges from 0 to 23,416. The Action (When: Phase of flight,When: Time of day (group) 1) filter keeps 50 members. The Action (Wildlife: Species) filter keeps 609 members. The Action (Origin State,When: Time of day) filter keeps 306 members. The Action (MONTH(FlightDate),Wildlife: Number struck) filter keeps 56 members. The Action (Altitude bin) filter keeps 3 members. The Action (MONTH(FlightDate),DAY(FlightDate),Wildlife: Number struck) filter keeps 1,389 members. The Action (Wildlife: Size) filter keeps 4 members. The view is filtered on Wildlife: Species, which keeps 609 of 609 members.

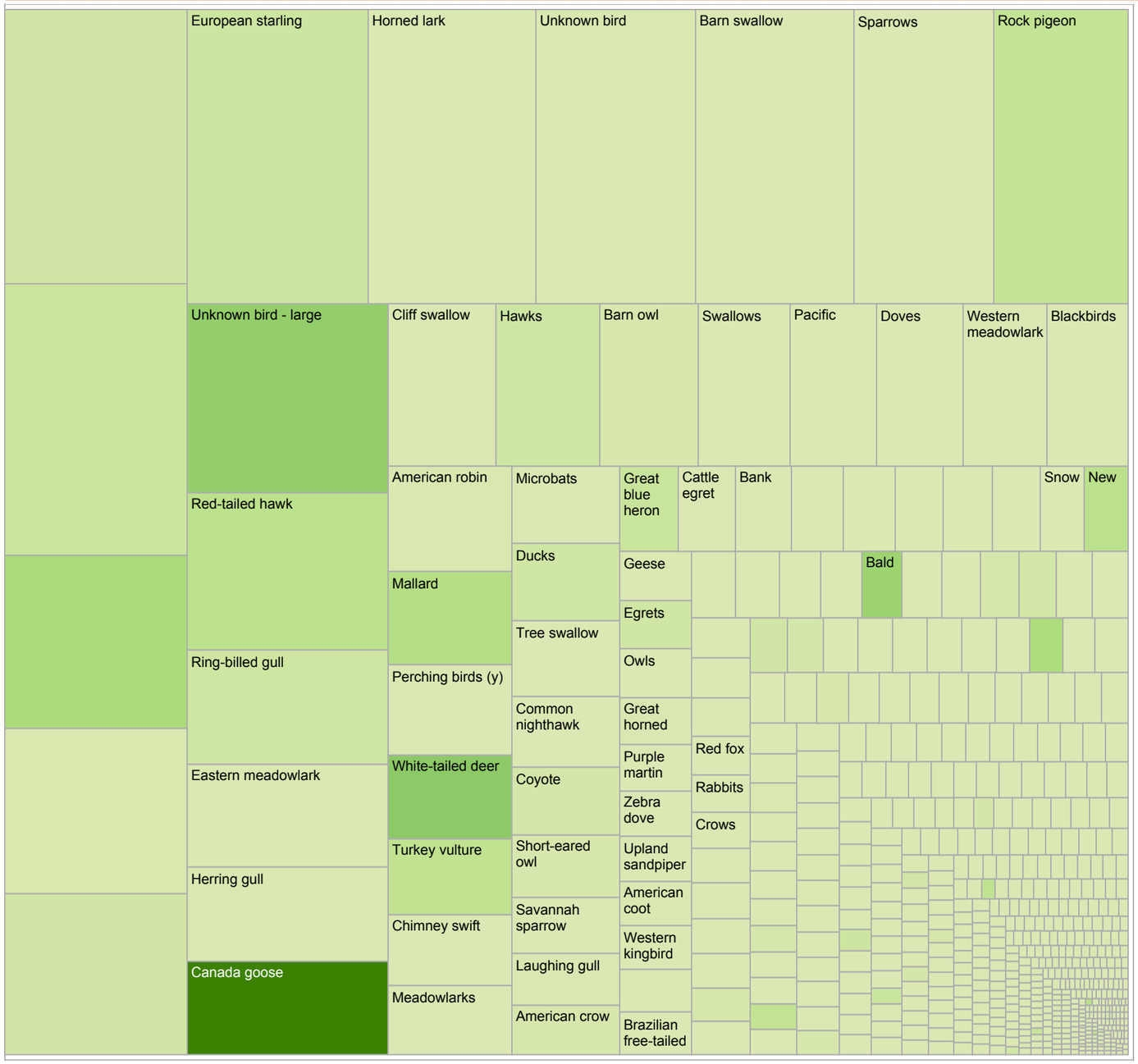
Which birds caused maximum collisions and damage?



Visulization to show the Strike incidence and cost incurred on the basis of species collided with the aircraft.

Sum of Number of Records and sum of Cost: Total $ for each Wildlife: Species.

Which birds caused maximum collisions and damage?



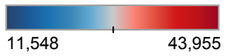
Visulization to show the Strike incidence and cost incurred on the basis of species collided with the aircraft.

Sum of Number of Records and sum of Cost: Total $ for each Wildlife: Species.

Which altitude has caused maximum collisions?

Altitude bin	
< 1000 ft	43,901
> 1000 ft	11,548
Unknown	43,955

Number of Records



11,548 43,955

Sum of Number of Records broken down by Altitude bin. Color shows sum of Number of Records. The data is filtered on FlightDate Year, Action (MONTH(FlightDate),Wildlife: Number struck), Action (When: Phase of flight,When: Time of day (group) 1), Action (Wildlife: Species), Action (MONTH(FlightDate),DAY(FlightDate),Wildlife: Number struck) and Action (Wildlife: Size). The FlightDate Year filter keeps 12 of 12 members. The Action (MONTH(FlightDate),Wildlife: Number struck) filter keeps 56 members. The Action (When: Phase of flight,When: Time of day (group) 1) filter keeps 50 members. The Action (Wildlife: Species) filter keeps 609 members. The Action (MONTH(FlightDate),DAY(FlightDate),Wildlife: Number struck) filter keeps 1,389 members. The Action (Wildlife: Size) filter keeps 4 members. The view is filtered on Altitude bin, which keeps < 1000 ft, > 1000 ft and Unknown.

Other misc info

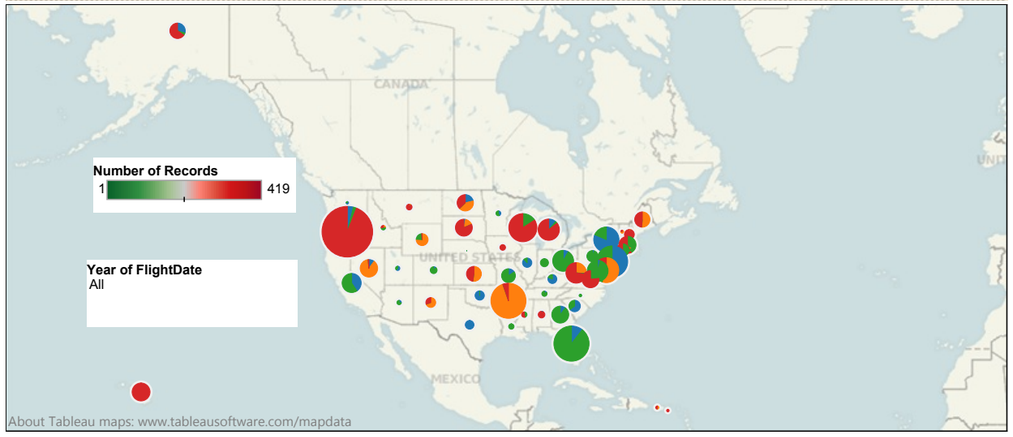
Count of Number of Records	99,404
Count of Number of human fatalities	1,092
Count of Number of people injured	107
Avg. Feet above ground	855
Max. Miles from airport	1,300

Count of Number of Records, count of Number of human fatalities, count of Number of people injured, Avg. Feet above ground and Max. Miles from airport. The data is filtered on Flight-Date Year, Action (MONTH(Flight-Date),Wildlife: Number struck), Action (When: Phase of flight,When: Time of day (group) 1), Action (Altitude bin), Action (MONTH(Flight-Date),DAY(FlightDate),Wildlife: Number struck) and Action (Wildlife: Size). The FlightDate Year filter keeps 12 of 12 members. The Action (MONTH(FlightDate),Wildlife: Number struck) filter keeps 56 members. The Action (When: Phase of flight,When: Time of day (group) 1) filter keeps 50 members. The Action (Altitude bin) filter keeps 3 members. The Action (MONTH(FlightDate),DAY(FlightDate),Wildlife: Number struck) filter keeps 1,389 members. The Action (Wildlife: Size) filter keeps 4 members.

What is the damage caused by birds? [Analysis and drilldown]

Click on any datapoint or color in any chart to see its distribution and variation across all the visualization aspects in this Dashboard.

What cost is incurred with strikes in various states?



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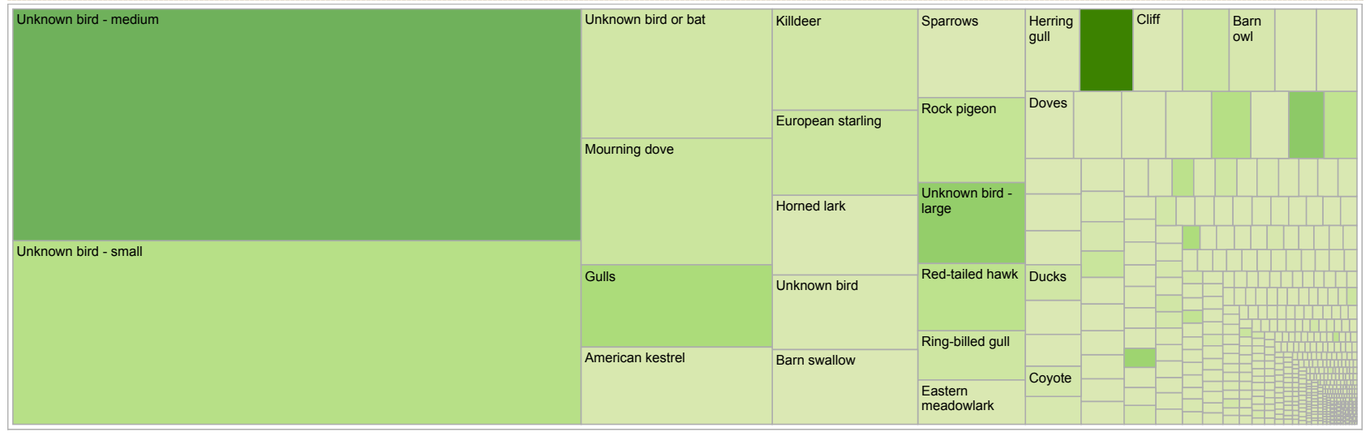

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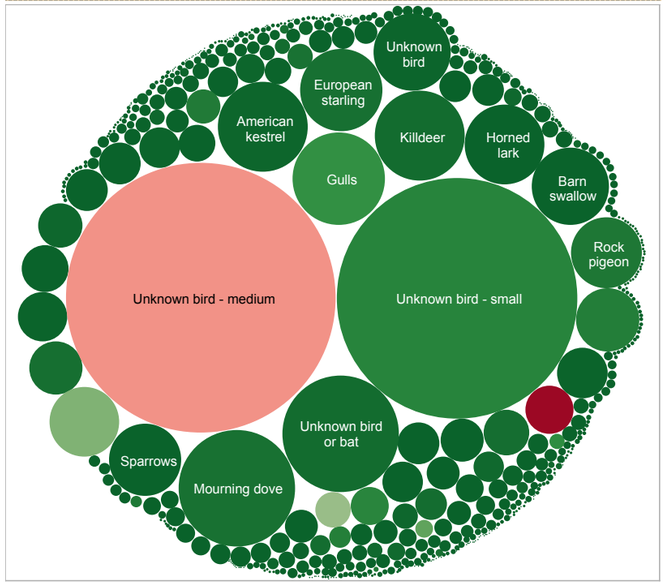
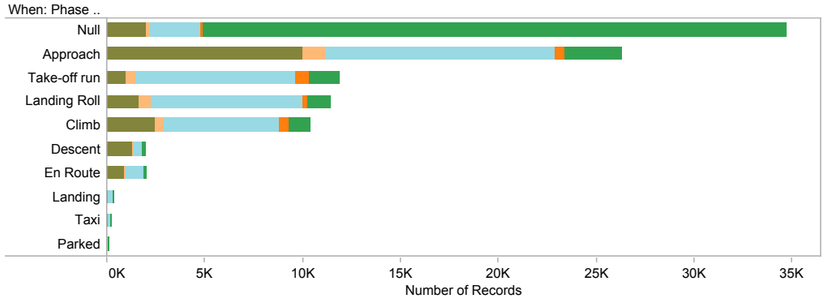
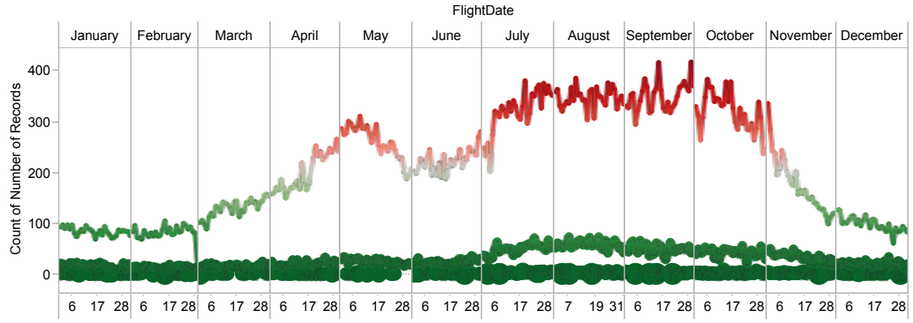


What is the impact of collision time on the phase of the flight?



Monthly Collisions [to determine if its due to migration of birds]



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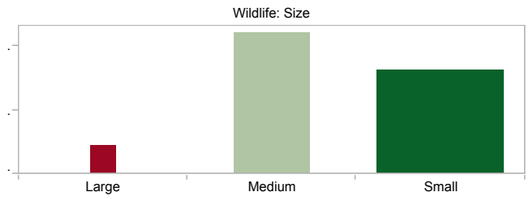

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