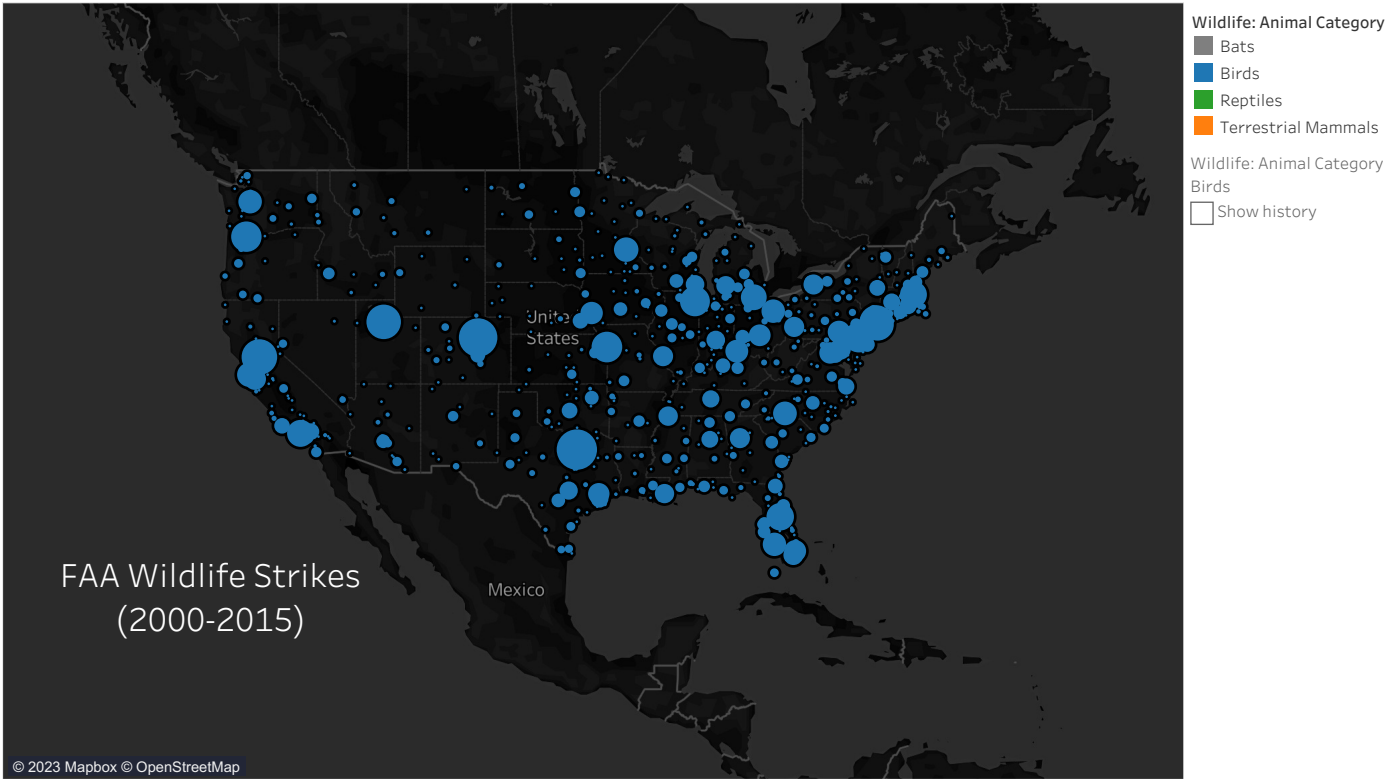


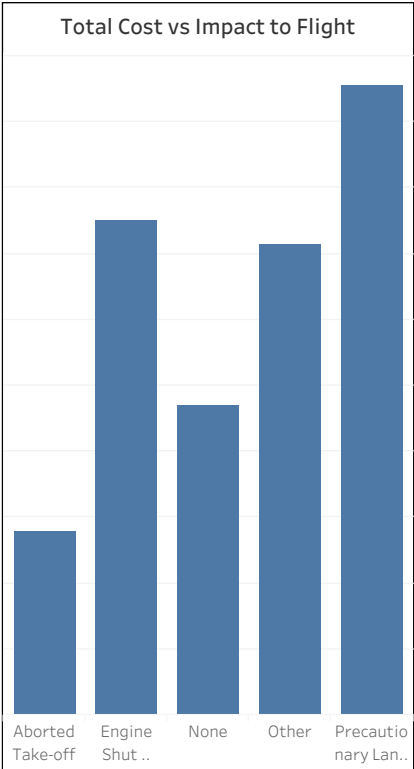
FAA Wildlife Strikes (2000-2015)

Cover Page	Significant Trends	Forecasting	(Bonus) Impact across States	
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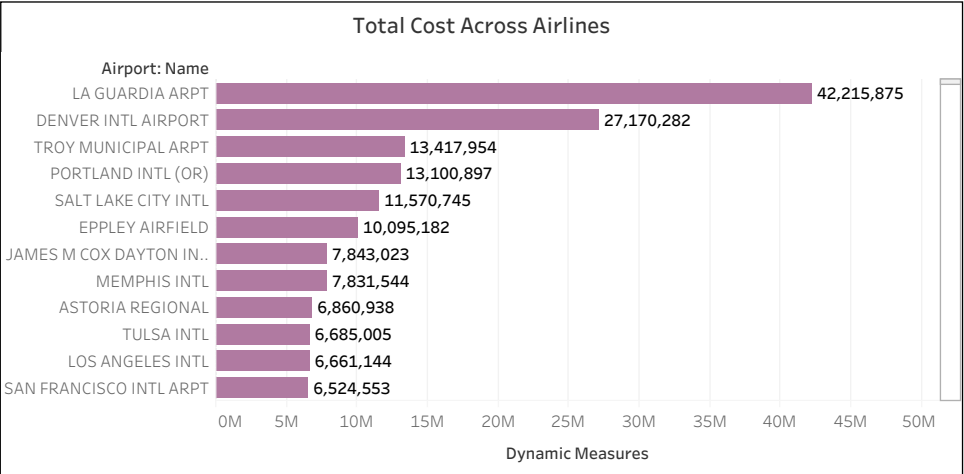
FAA Wildlife Strikes (2000-2015)

Cover Page	Significant Trends	Forecasting	(Bonus)Impact across States	
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Dynamic Dimension Parameter
Impact to Flight

Dynamic Measures Parameter
Total Cost

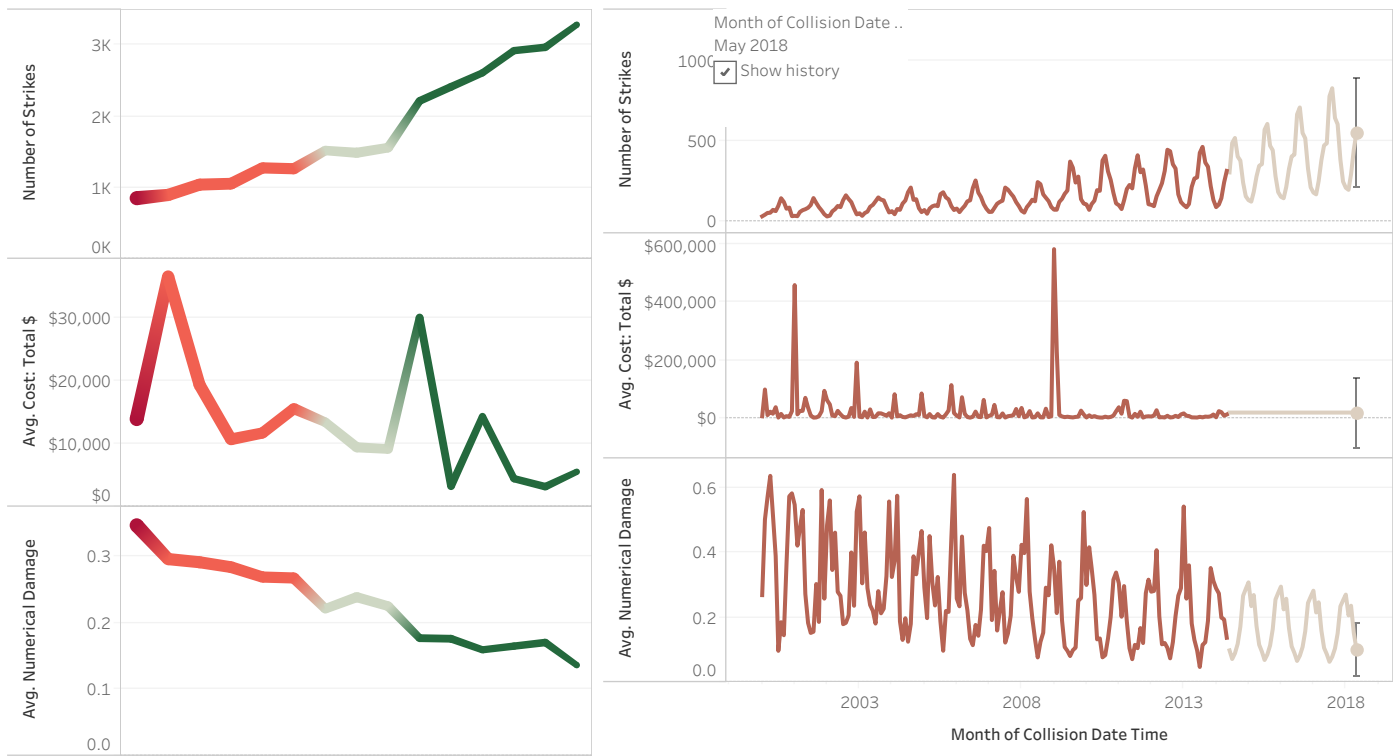


Pattern of Bird Strikes

Wildlife: Animal Category / Collision Year / Collision Month	
Birds	
2000	2001
2002	2003
2004	2005
2006	2007
2008	2009
2010	2011
2012	2013
2014	2015

FAA Wildlife Strikes (2000-2015)

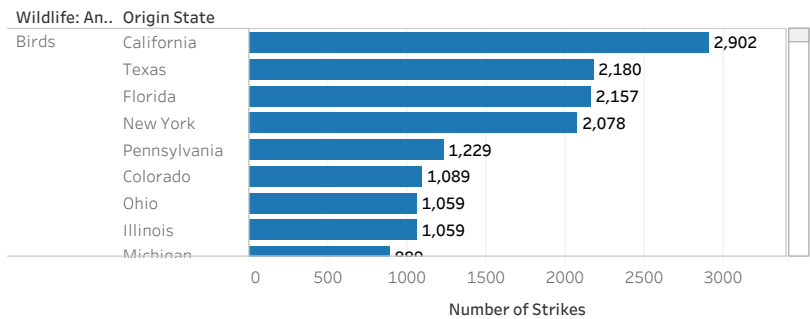
Cover Page	Significant Trends	Forecasting	(Bonus) Impact across States	
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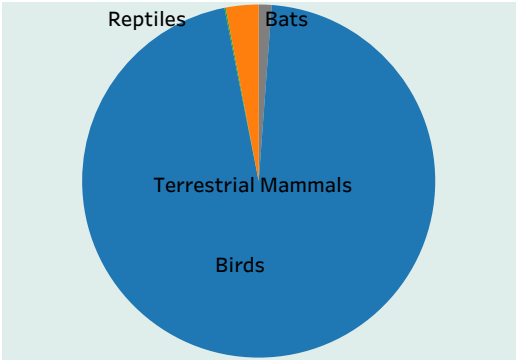
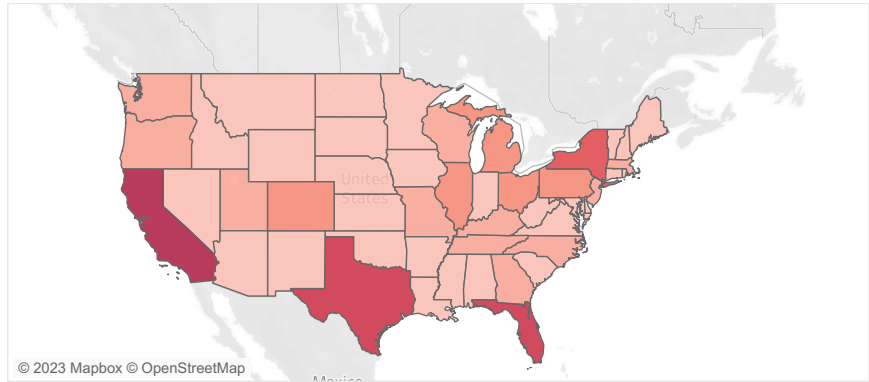
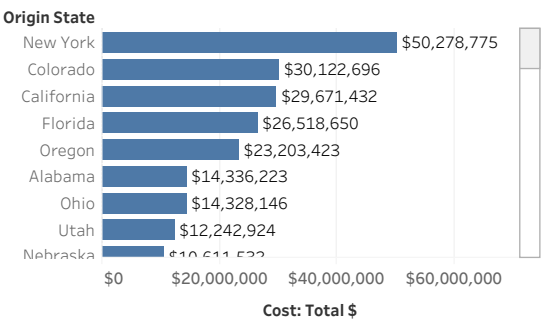
FAA Wildlife Strikes (2000-2015)

Cover Page	Significant Trends	Forecasting	(Bonus)Impact across States	
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Frequency across States

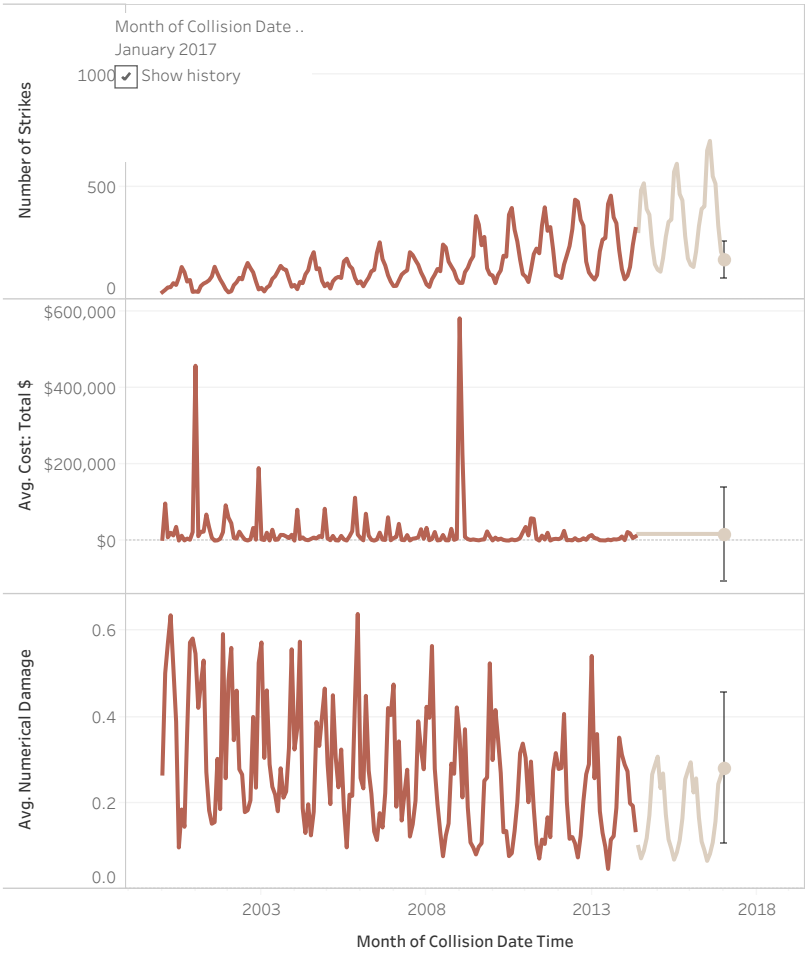
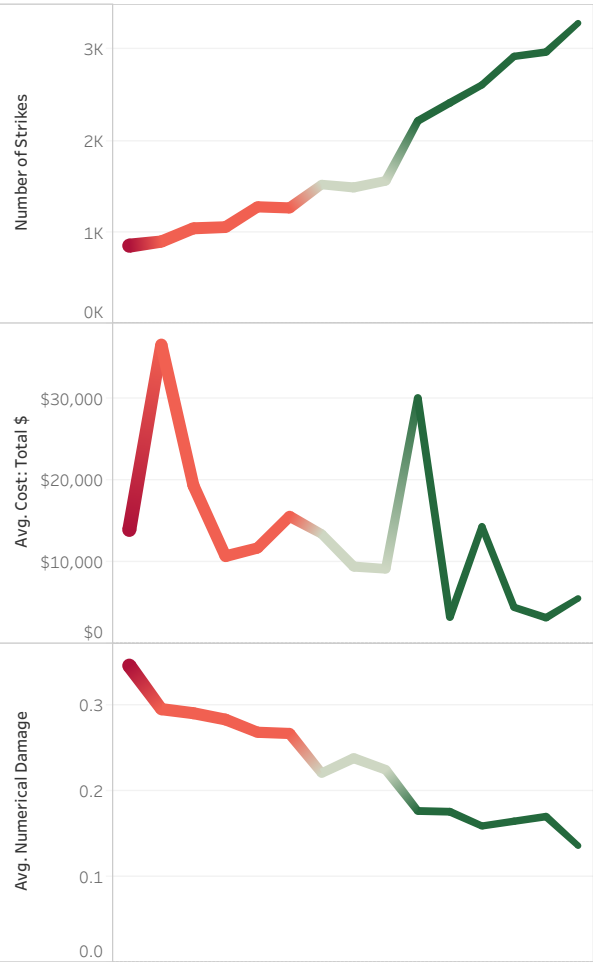


Cost Across States

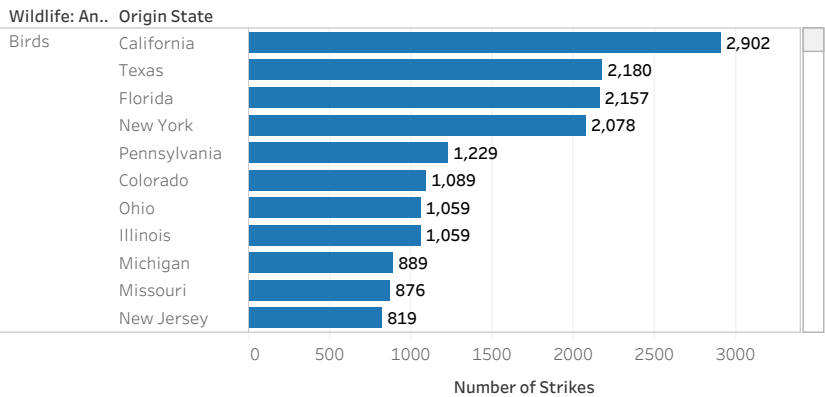


FAA Wildlife Strikes (2000-2015)

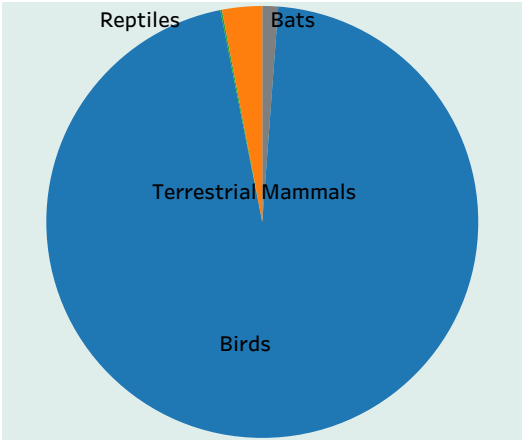
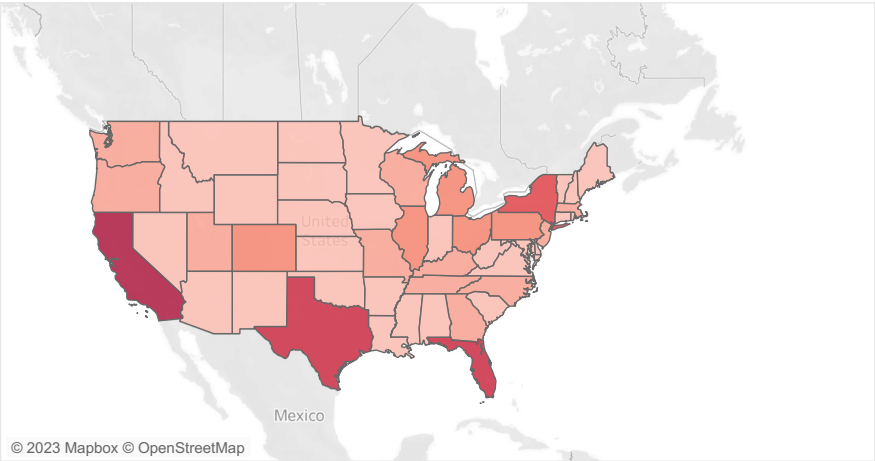
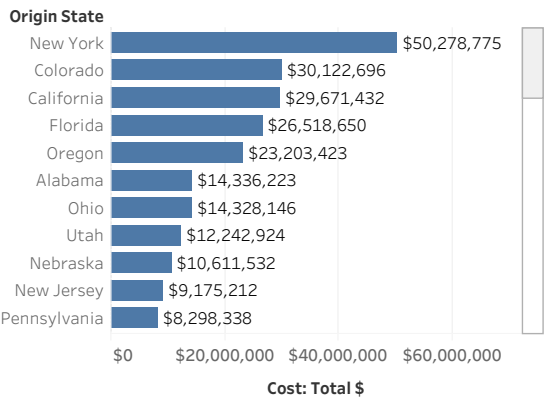
Cover Page	Significant Trends	Forecasting	(Bonus)Impact across States	
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Frequency across States



Cost Across States



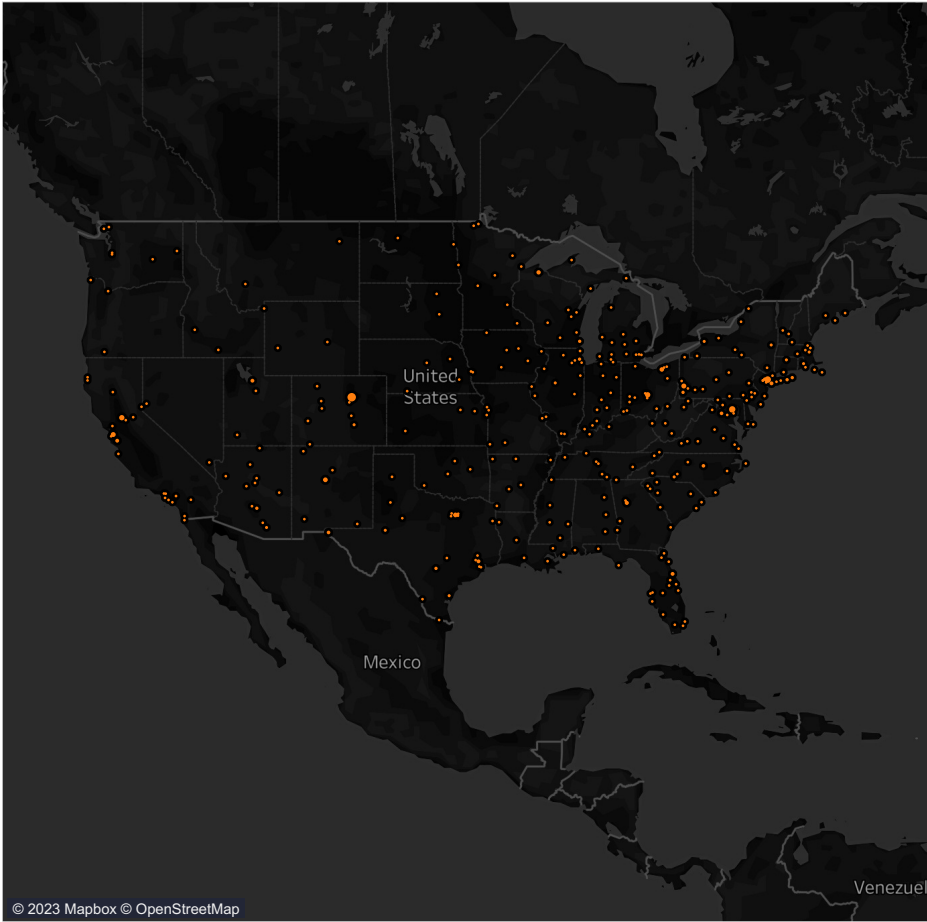
FAA Wildlife Strikes (2000-2015)

- Wildlife: Animal Category
- Bats

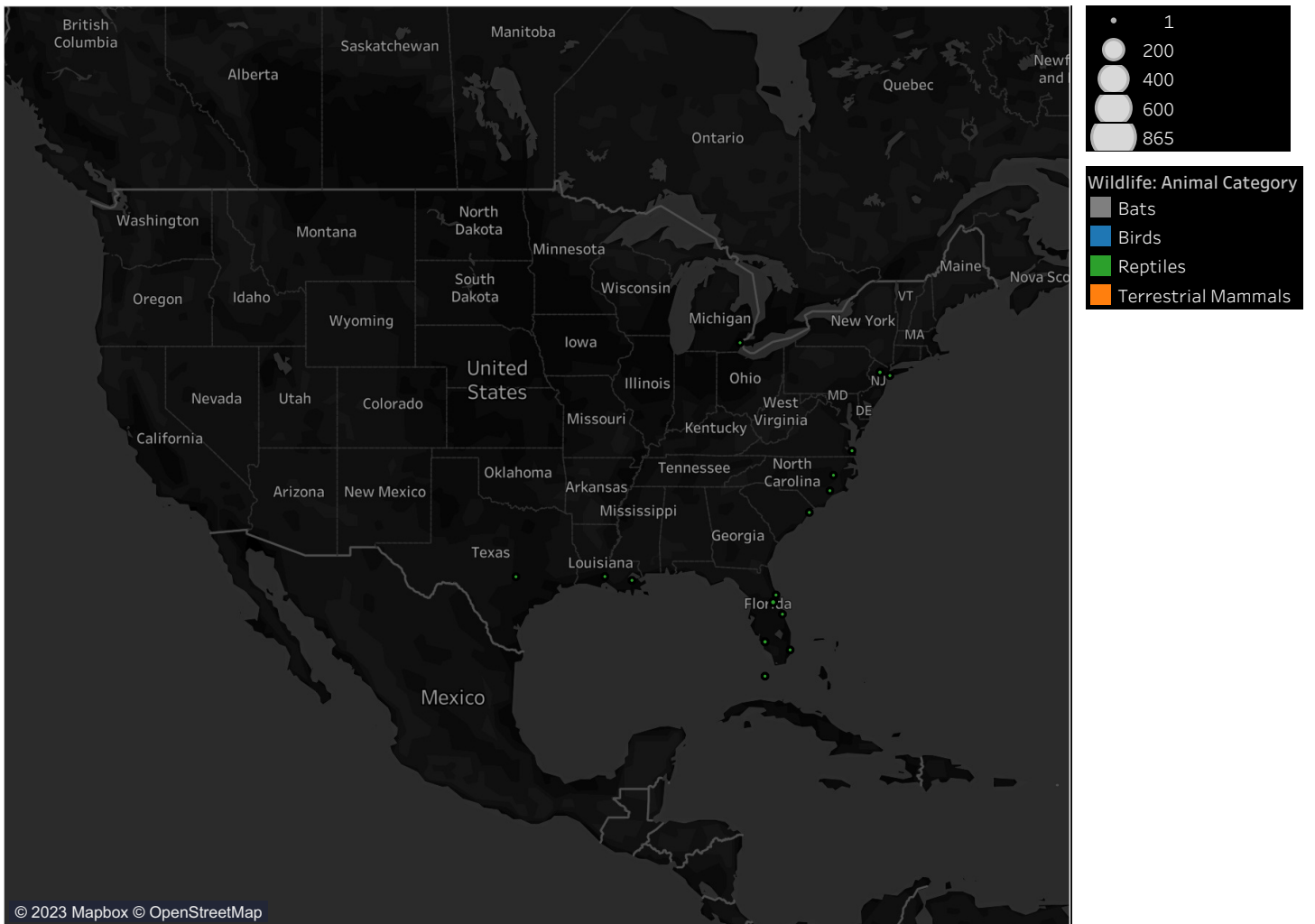
Birds

Reptiles

Terrestrial Mammals
- Wildlife: Animal Category
- Terrestrial Mammals
- ☐ Show history

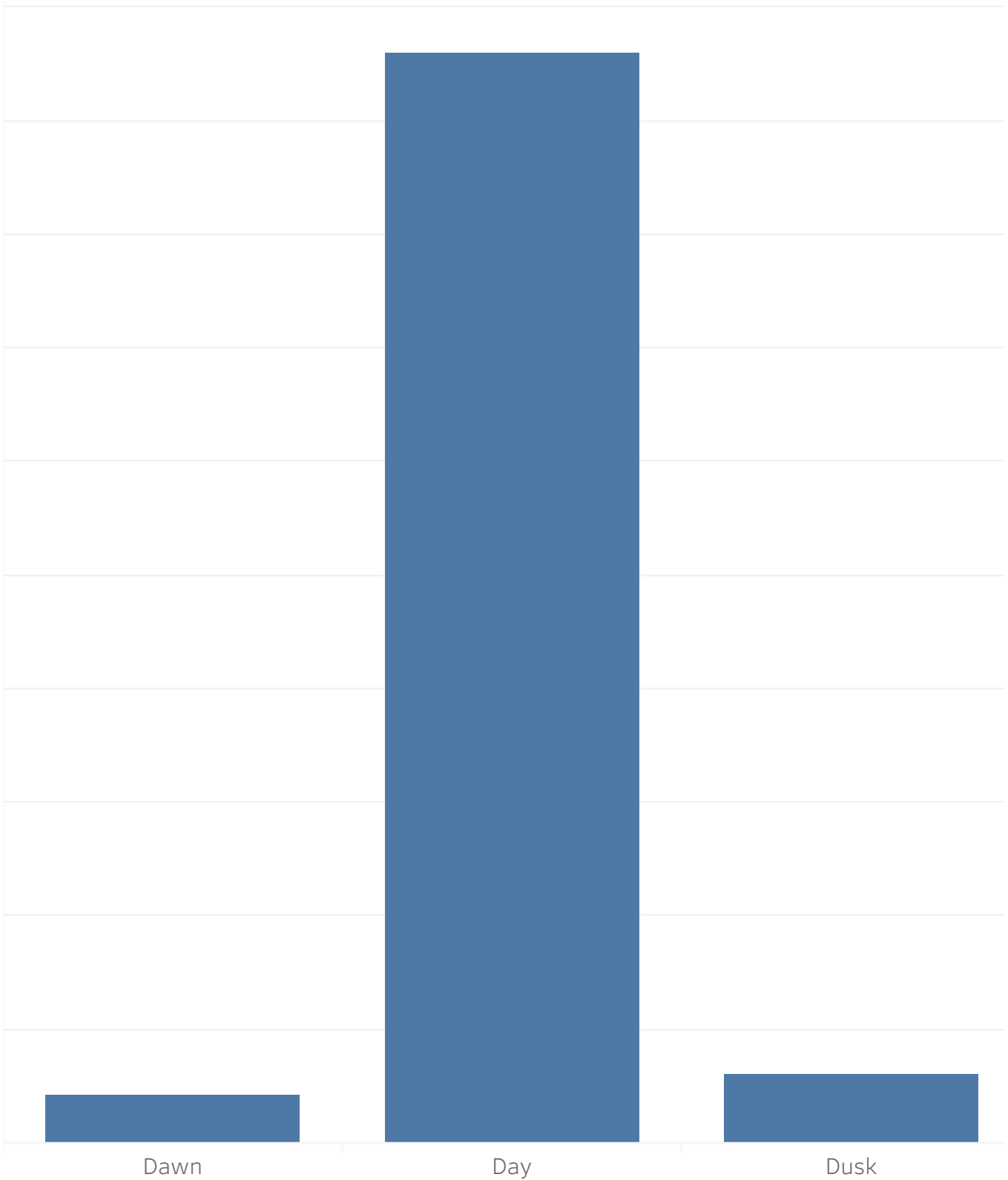


FAA Wildlife Strikes (2000-2015)



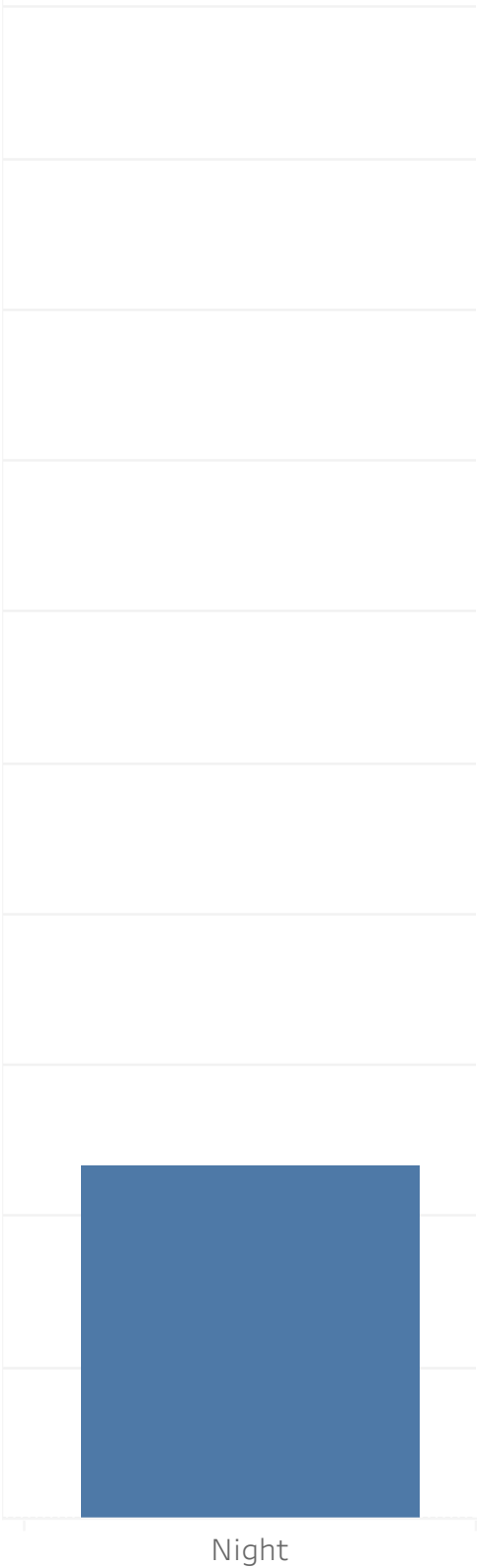
Map based on Longitude (generated) and Latitude (generated). Color shows details about Wildlife: Animal Category. Size shows count of Numerical Damage. Details are shown for Airport: Code. The data is filtered on Action (Wildlife: Animal Category), which keeps 4 members.

Number of Strikes vs Time of Day

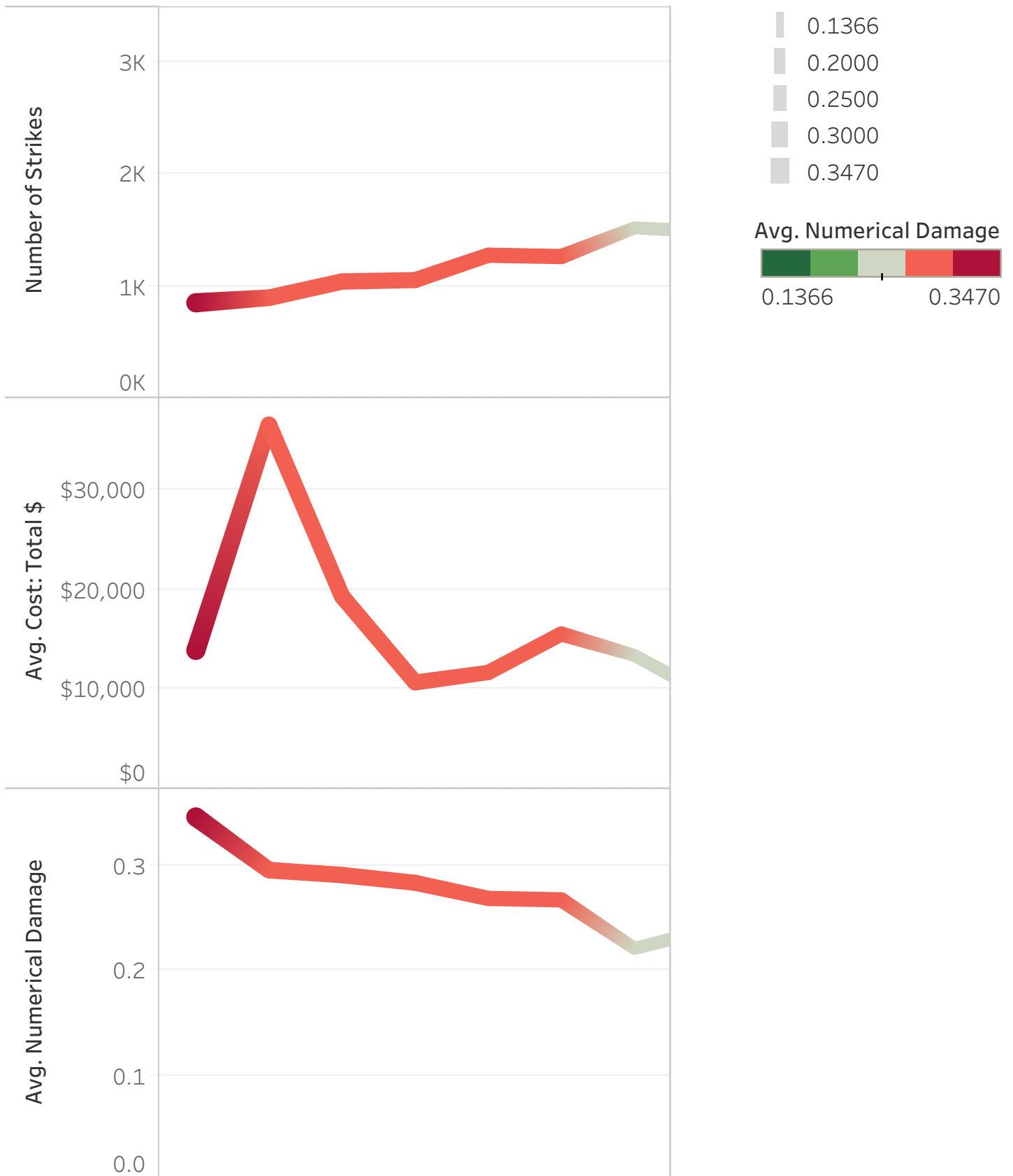


Sum of Dynamic Measures for each Dynamic Dimension. The data is filtered on Aircraft: Type and Aircraft: Number of engines. The Aircraft: Type filter excludes Null. The Aircraft: Number of engines filter has multiple members selected. The view is filtered on Dynamic Dimension and sum of Dynamic Measures. The Dynamic Dimension filter excludes Null and Local. The sum of Dynamic Measures filter keeps non-Null values only.

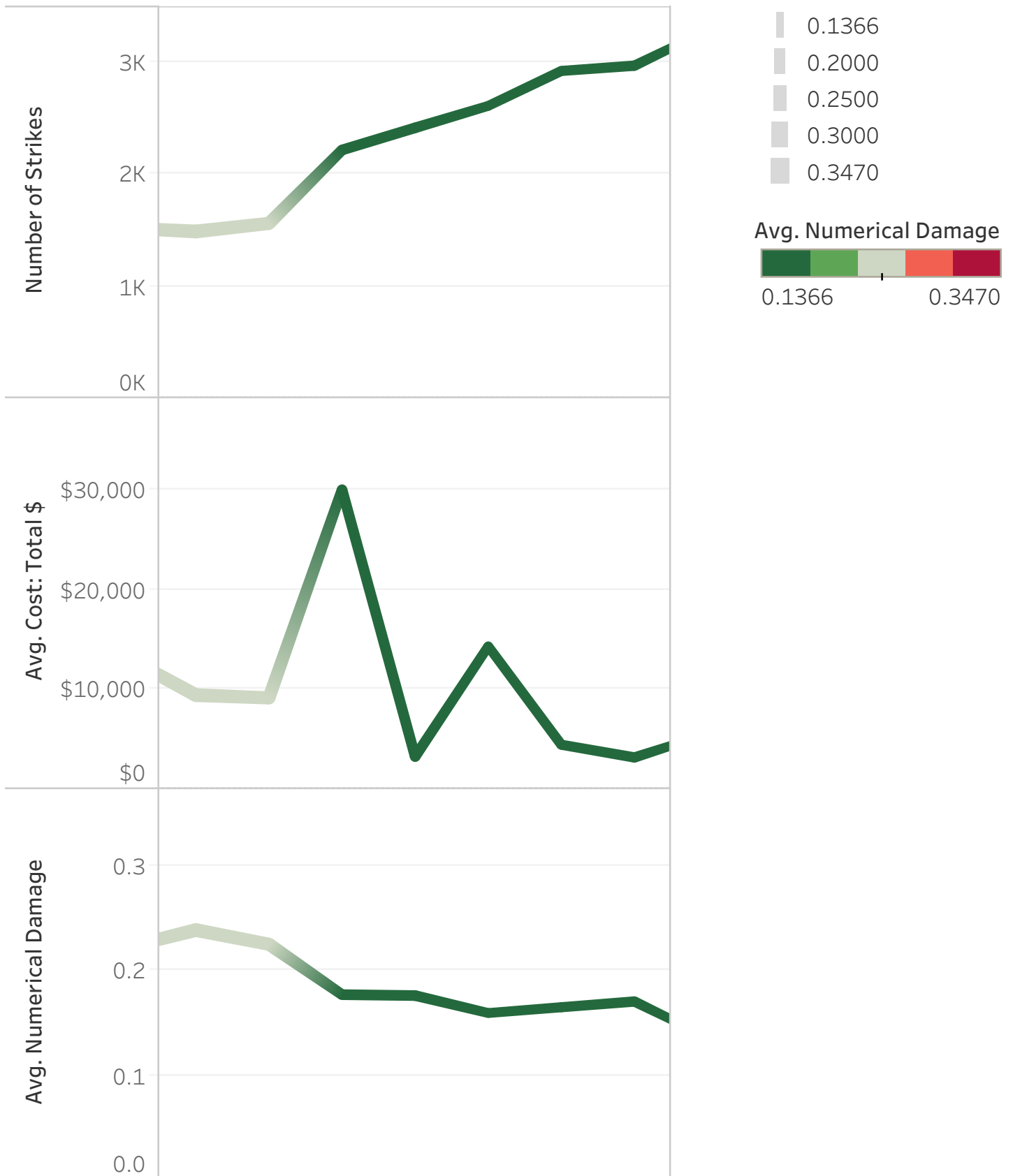
Number of Strikes vs Time of Day



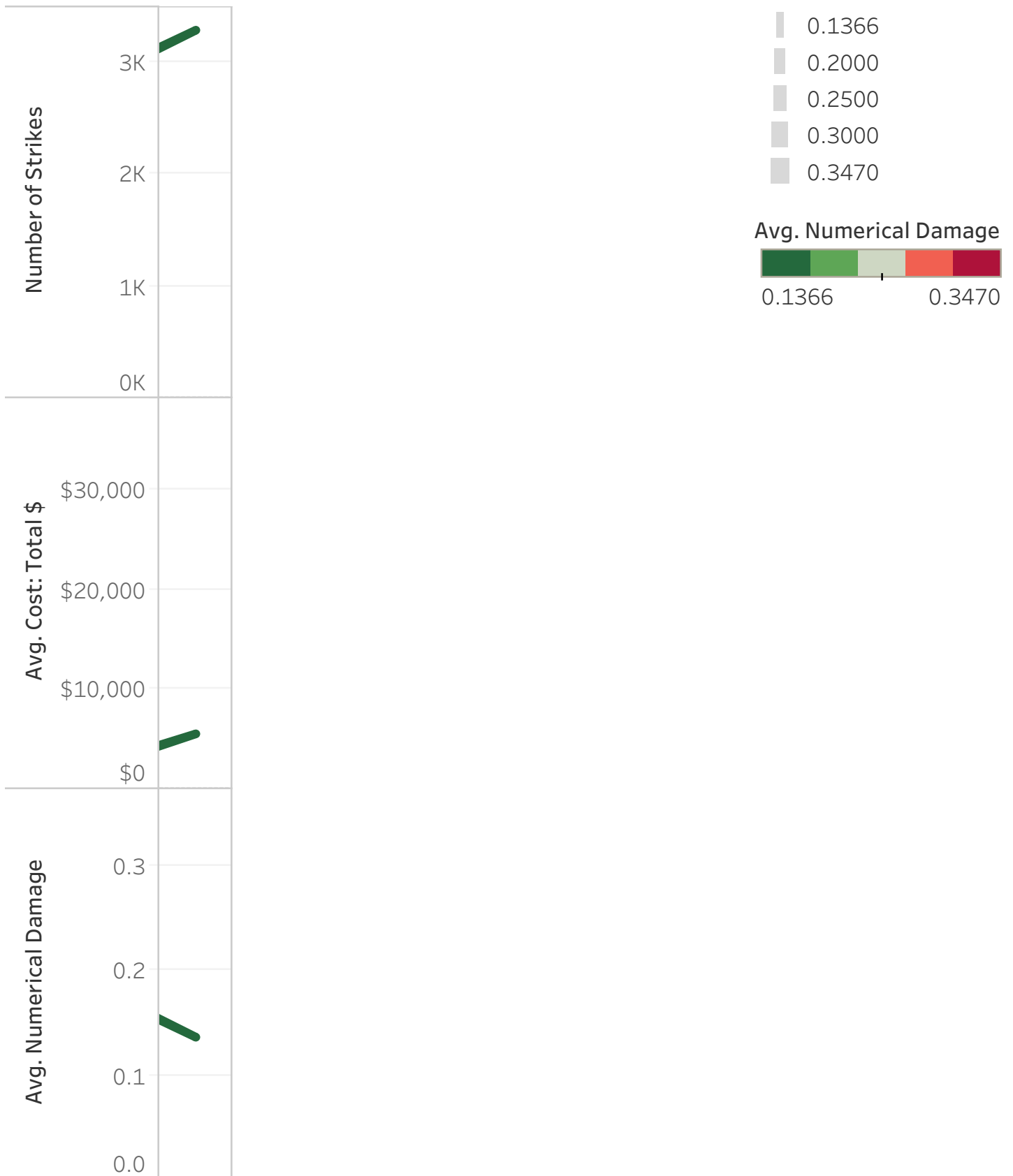
Sum of Dynamic Measures for each Dynamic Dimension. The data is filtered on Aircraft: Type and Aircraft: Number of engines. The Aircraft: Type filter excludes Null. The Aircraft: Number of engines filter has multiple members selected. The view is filtered on Dynamic Dimension and sum of Dynamic Measures. The Dynamic Dimension filter excludes Null and Local. The sum of Dynamic Measures filter keeps non-Null values only.



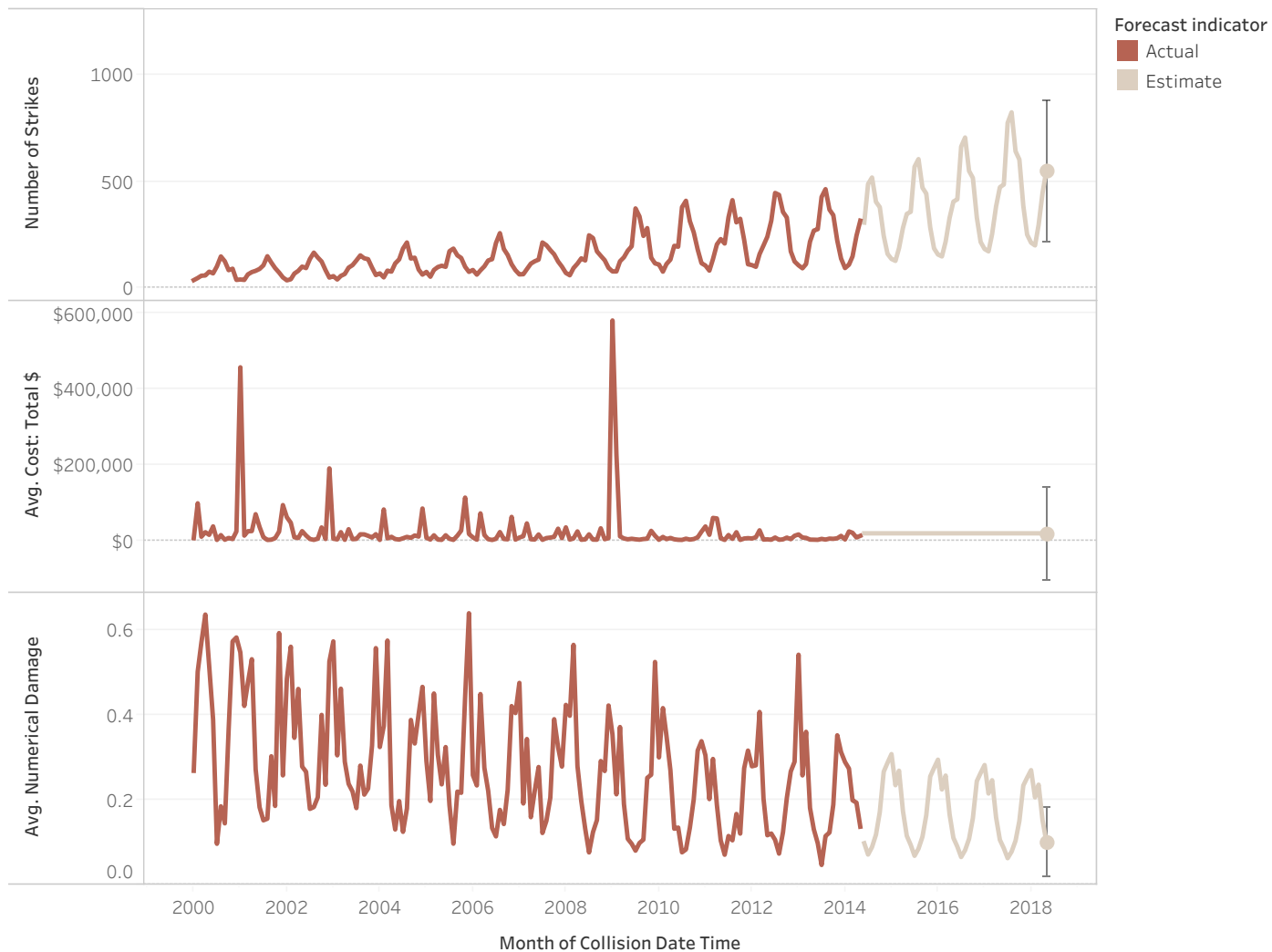
The trends of sum of Number of Strikes, average of Cost: Total \$ and average of Numerical Damage for Collision Year. Color shows average of Numerical Damage. Size shows average of Numerical Damage. The view is filtered on Collision Year, which excludes 2015.



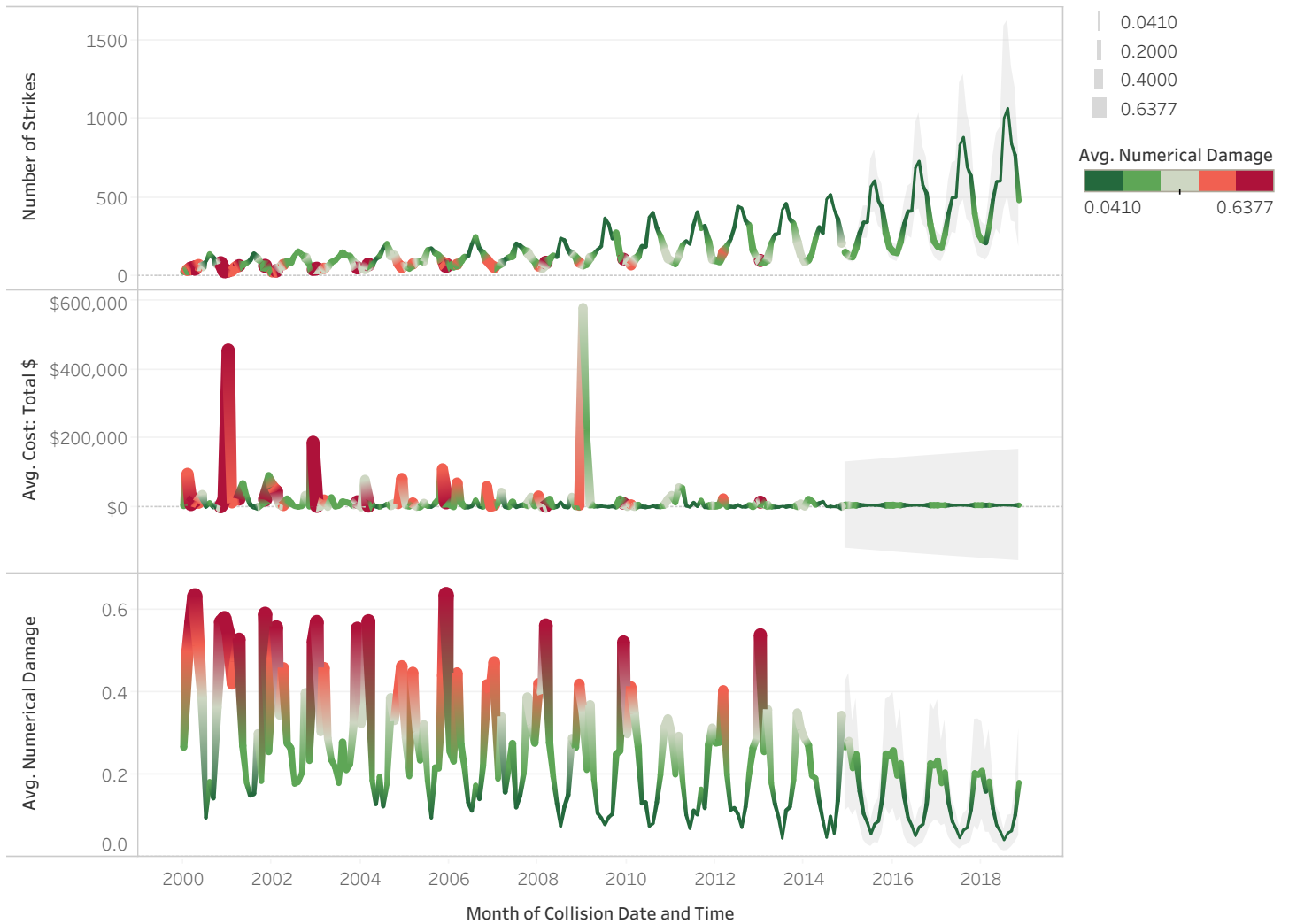
The trends of sum of Number of Strikes, average of Cost: Total \$ and average of Numerical Damage for Collision Year. Color shows average of Numerical Damage. Size shows average of Numerical Damage. The view is filtered on Collision Year, which excludes 2015.



The trends of sum of Number of Strikes, average of Cost: Total \$ and average of Numerical Damage for Collision Year. Color shows average of Numerical Damage. Size shows average of Numerical Damage. The view is filtered on Collision Year, which excludes 2015.



The plots of sum of Number of Strikes (actual & forecast) , average of Cost: Total \$ (actual & forecast) and average of Numerical Damage (actual & forecast) for Collision Date Time Month. Color shows details about Forecast indicator.

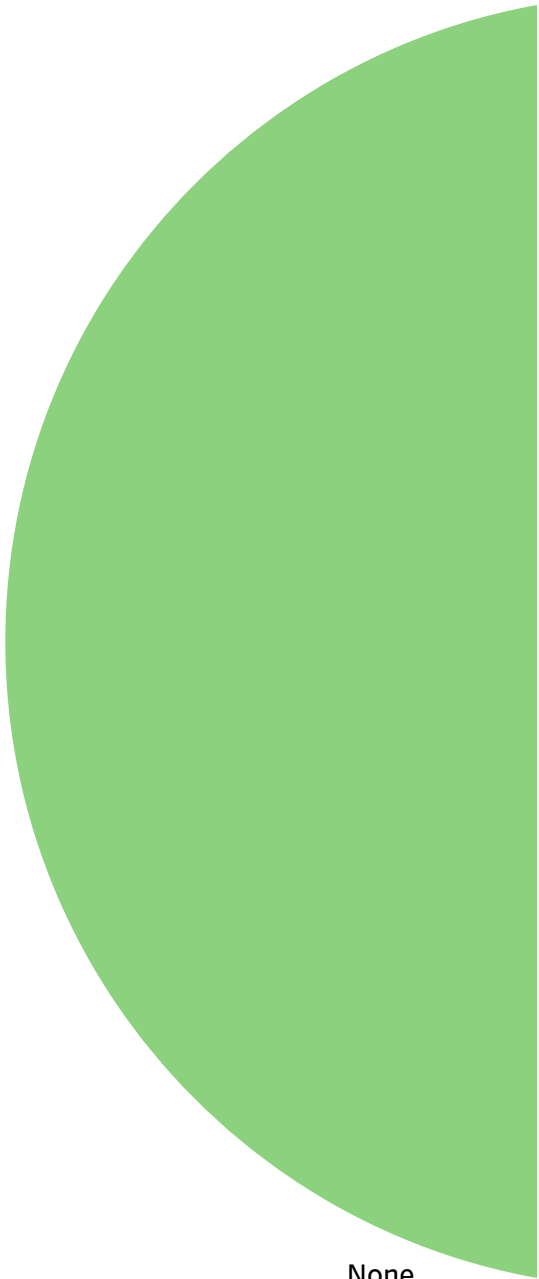


The trends of sum of Number of Strikes (actual & forecast) , average of Cost: Total \$ (actual & forecast) and average of Numerical Damage (actual & forecast) for Collision Date and Time Month. Color shows average of Numerical Damage (actual & forecast) . Size shows average of Numerical Damage (actual & forecast) . Details are shown for Forecast indicator. The data is filtered on Collision Year, which excludes 2015.

Piechart: Damage

Effect: Amount of damage (detailed)

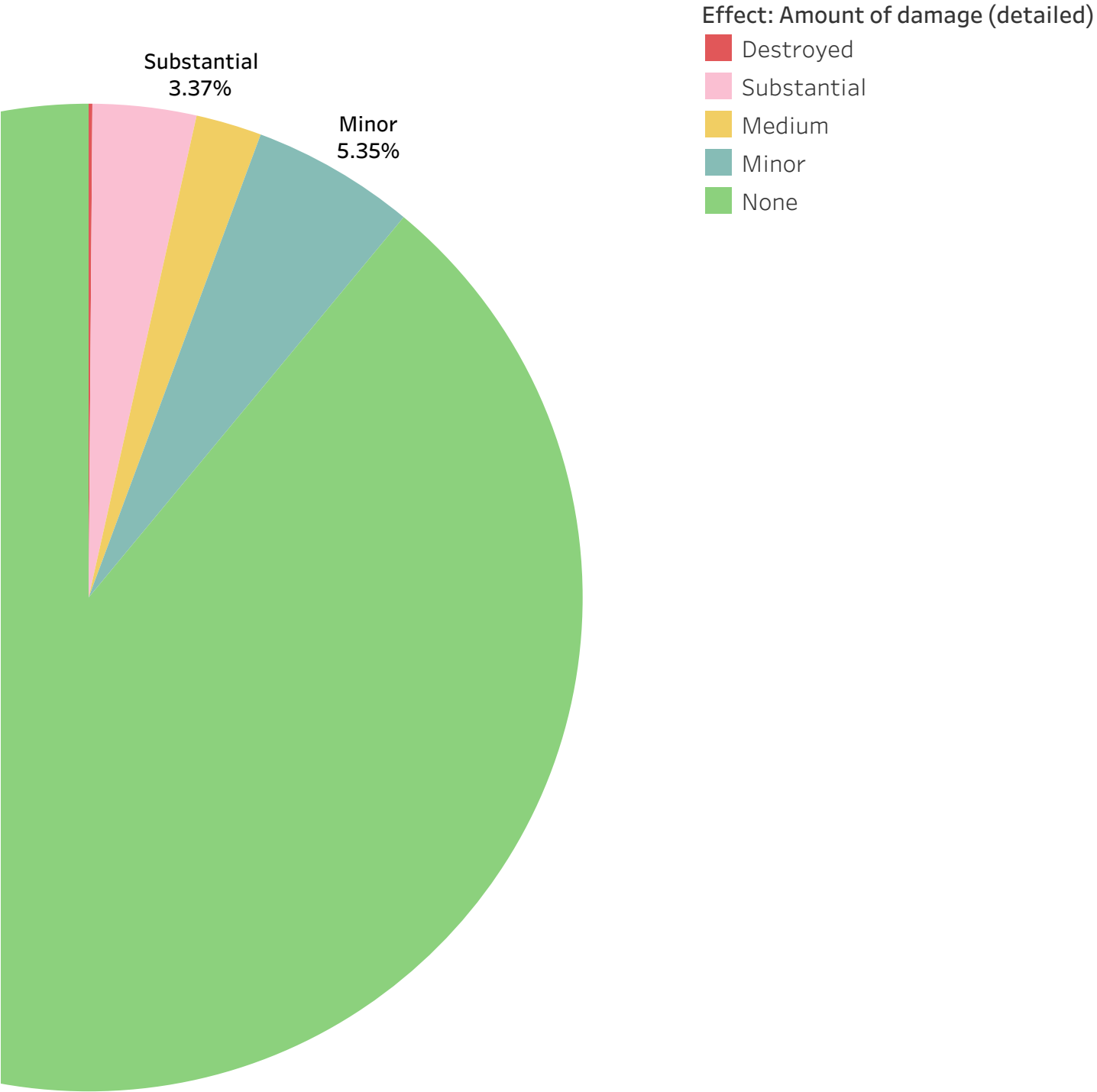
- Destroyed
- Substantial
- Medium
- Minor
- None



None
89.01%

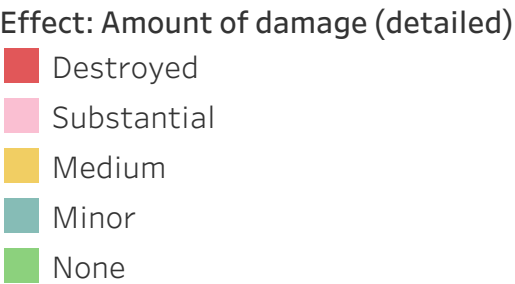
Effect: Amount of damage (detailed) and % of Total Count of Number of Strikes. Color shows details about Effect: Amount of damage (detailed). The marks are labeled by Effect: Amount of damage (detailed) and % of Total Count of Number of Strikes.

Piechart: Damage



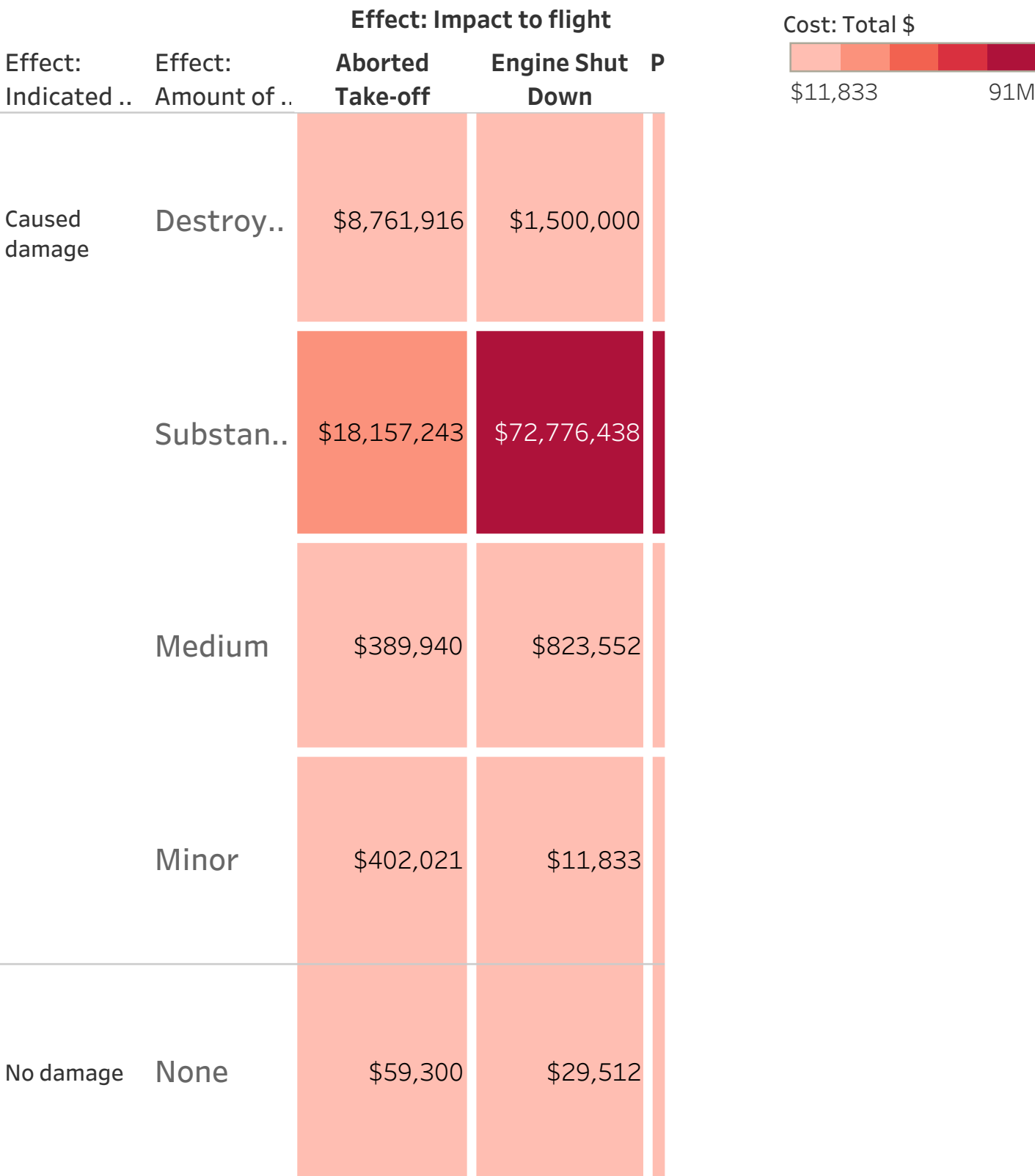
Effect: Amount of damage (detailed) and % of Total Count of Number of Strikes. Color shows details about Effect: Amount of damage (detailed). The marks are labeled by Effect: Amount of damage (detailed) and % of Total Count of Number of Strikes.

Piechart: Damage



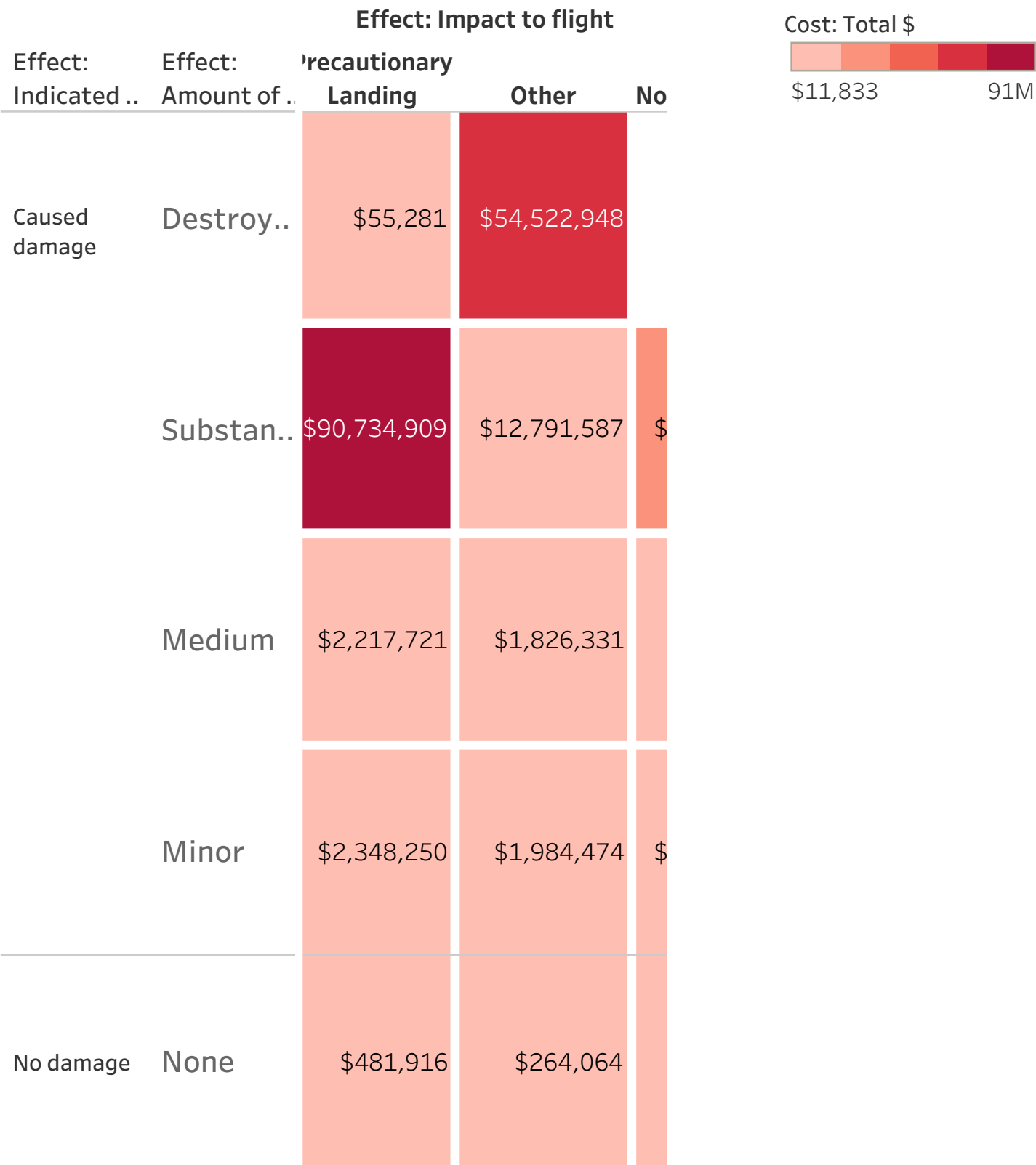
Effect: Amount of damage (detailed) and % of Total Count of Number of Strikes. Color shows details about Effect: Amount of damage (detailed). The marks are labeled by Effect: Amount of damage (detailed) and % of Total Count of Number of Strikes.

Cost - Impact vs Damage



Sum of Cost: Total \$ broken down by Effect: Impact to flight vs. Effect: Indicated Damage and Effect: Amount of damage (detailed). Color shows sum of Cost: Total \$. The marks are labeled by sum of Cost: Total \$. The view is filtered on Effect: Impact to flight, which excludes Null.

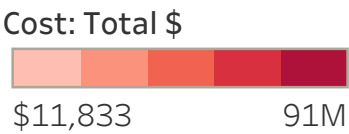
Cost - Impact vs Damage



Sum of Cost: Total \$ broken down by Effect: Impact to flight vs. Effect: Indicated Damage and Effect: Amount of damage (detailed). Color shows sum of Cost: Total \$. The marks are labeled by sum of Cost: Total \$. The view is filtered on Effect: Impact to flight, which excludes Null.

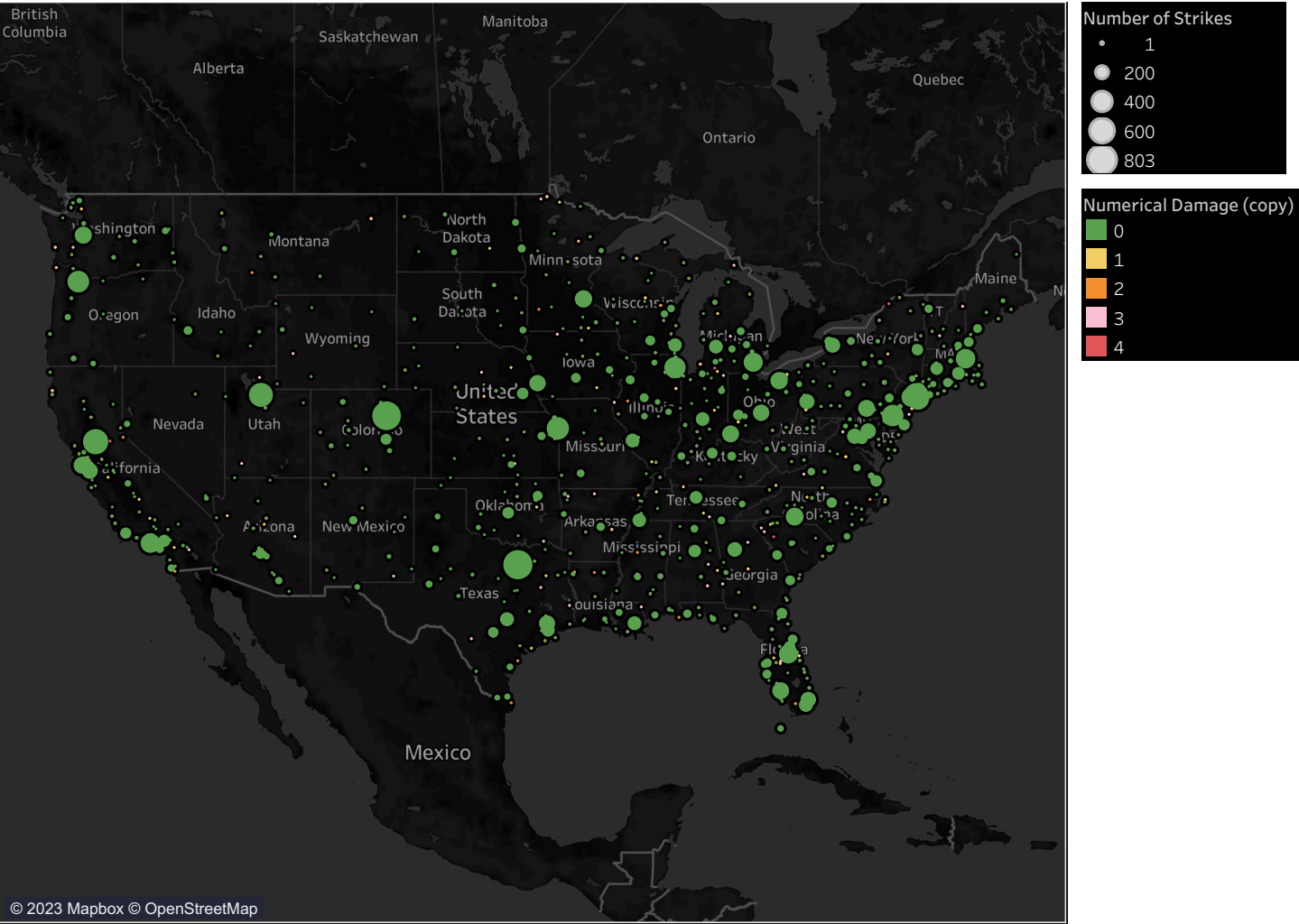
Cost - Impact vs Damage

		Effect: Impact to flight	
Effect: Indicated ..	Effect: Amount of ..	None	Grand Total
Caused damage	Destroy..		\$64,840,145
	Substan..	28,130,513	\$222,590,690
	Medium	\$5,135,837	\$10,393,381
	Minor	13,429,274	\$18,175,852
No damage	None	\$596,143	\$1,430,935

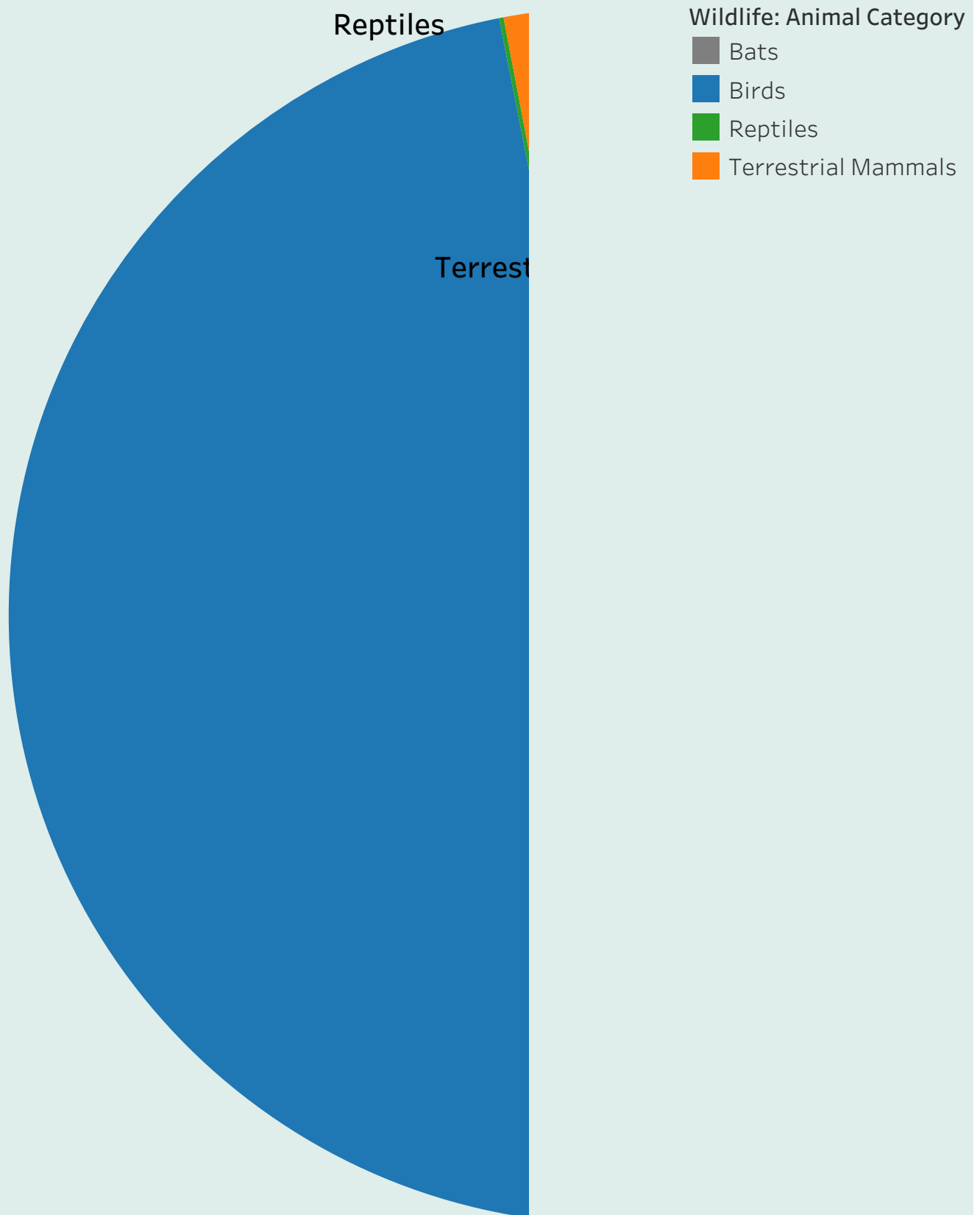


Sum of Cost: Total \$ broken down by Effect: Impact to flight vs. Effect: Indicated Damage and Effect: Amount of damage (detailed). Color shows sum of Cost: Total \$. The marks are labeled by sum of Cost: Total \$. The view is filtered on Effect: Impact to flight, which excludes Null.

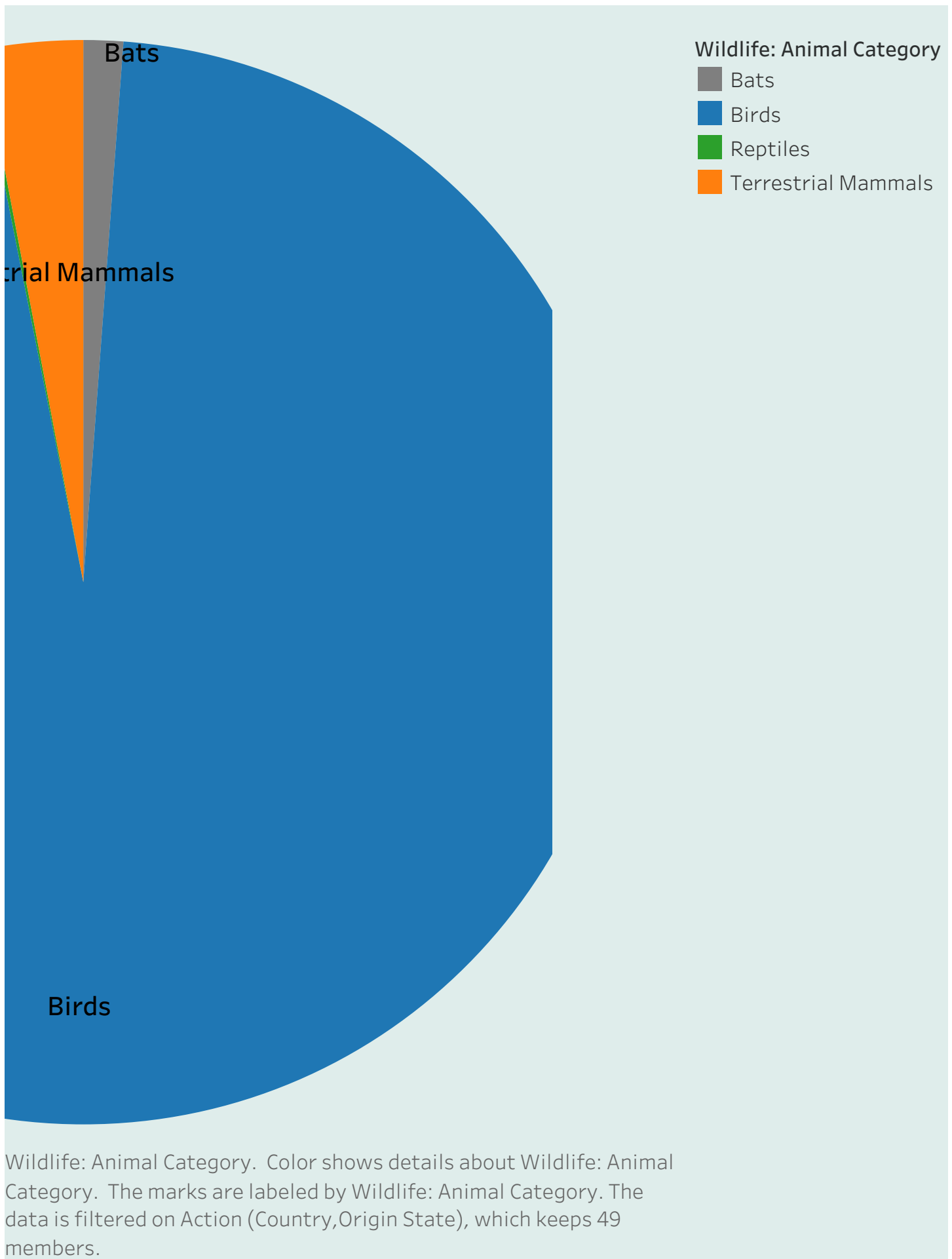
Map Location density

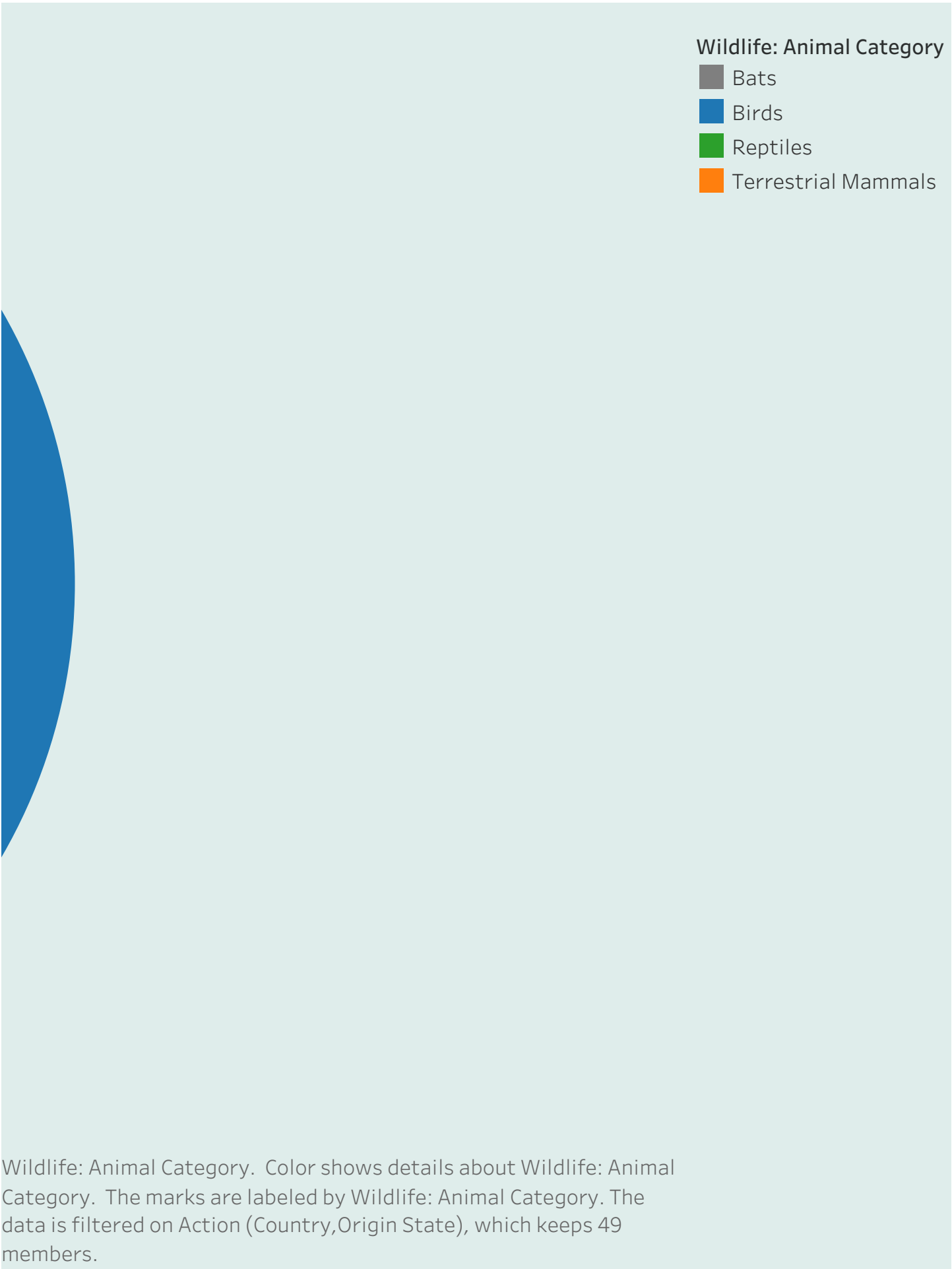


Map based on Longitude (generated) and Latitude (generated). Color shows details about Numerical Damage (copy). Size shows sum of Number of Strikes. Details are shown for Airport: Code.



Wildlife: Animal Category. Color shows details about Wildlife: Animal Category. The marks are labeled by Wildlife: Animal Category. The data is filtered on Action (Country,Origin State), which keeps 49 members.



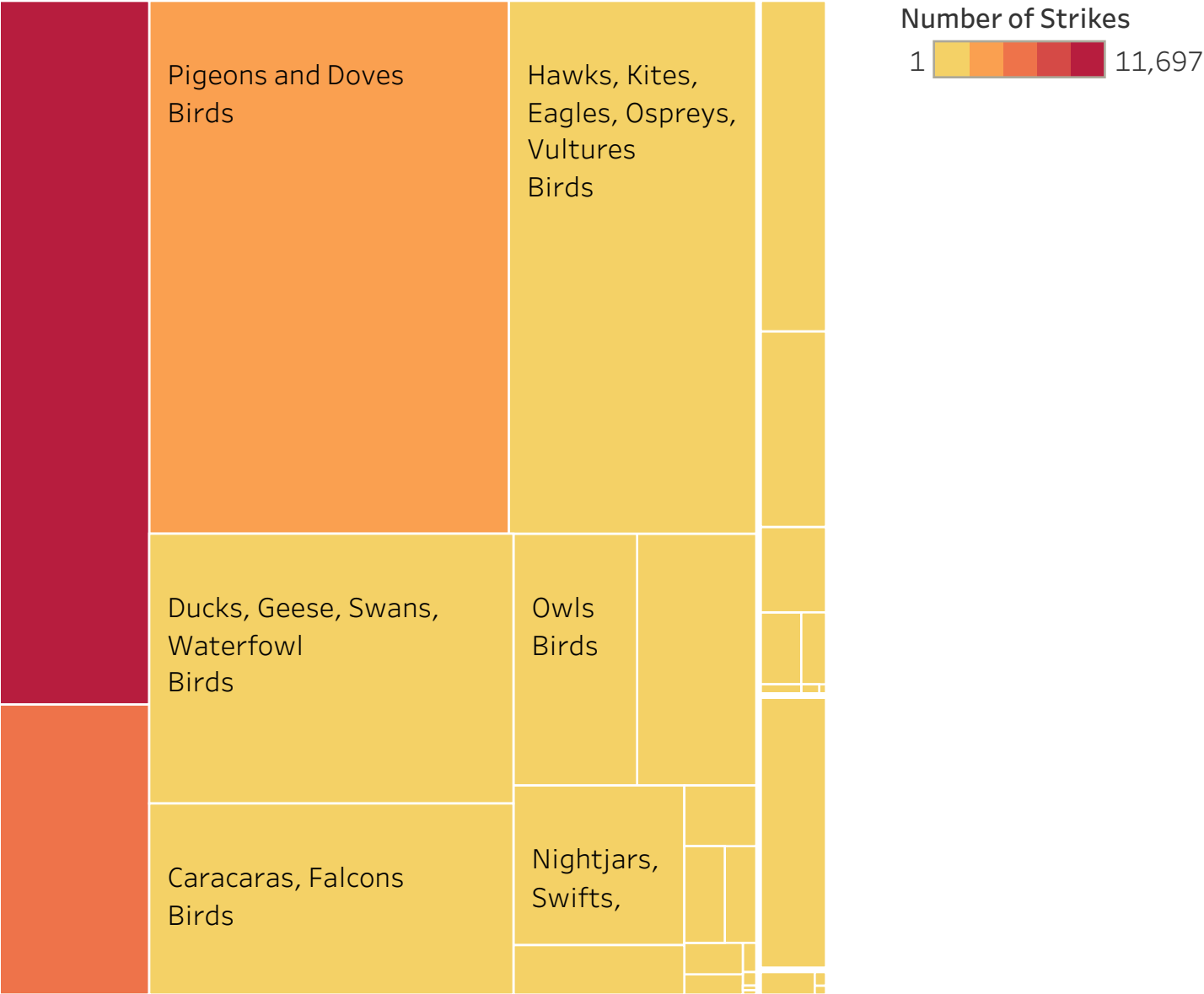


Species Treemap



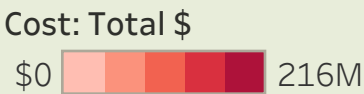
Wildlife: Animal Category, Wildlife: Species Order and % of Total Number of Strikes. Color shows sum of Number of Strikes. Size shows sum of Number of Strikes. The marks are labeled by Wildlife: Animal Category, Wildlife: Species Order and % of Total Number of Strikes. The view is filtered on Wildlife: Animal Category, which keeps Bats, Birds, Reptiles and Terrestrial Mammals.

Species Treemap



Wildlife: Animal Category, Wildlife: Species Order and % of Total Number of Strikes. Color shows sum of Number of Strikes. Size shows sum of Number of Strikes. The marks are labeled by Wildlife: Animal Category, Wildlife: Species Order and % of Total Number of Strikes. The view is filtered on Wildlife: Animal Category, which keeps Bats, Birds, Reptiles and Terrestrial Mammals.

Wildlife: Animal ..	Destroyed	Substantial
Bats	\$23,387	
Birds	\$43,298,867	\$216,342,394
Reptiles		
Terrestrial Mamm..	\$23,003,901	\$8,439,549
Grand Total	\$66,326,155	\$224,781,943



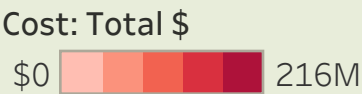
Sum of Cost: Total \$ broken down by Effect: Amount of damage (detailed) vs. Wildlife: Animal Category. Color shows sum of Cost: Total \$. The marks are labeled by sum of Cost: Total \$. The data is filtered on Wildlife: Species Order and Action (Wildlife: Animal Category). The Wildlife: Species Order filter keeps 31 of 31 members. The Action (Wildlife: Animal Category) filter keeps 4 members. The view is filtered on Wildlife: Animal Category, which keeps Bats, Birds, Reptiles and Terrestrial Mammals.

Wildlife: Animal .. I	Medium	Minor
Bats		
Birds	\$10,445,653	\$17,392,612
Reptiles		
Terrestrial Mamm..	\$618,219	\$1,165,370
Grand Total	\$11,063,872	\$18,557,982



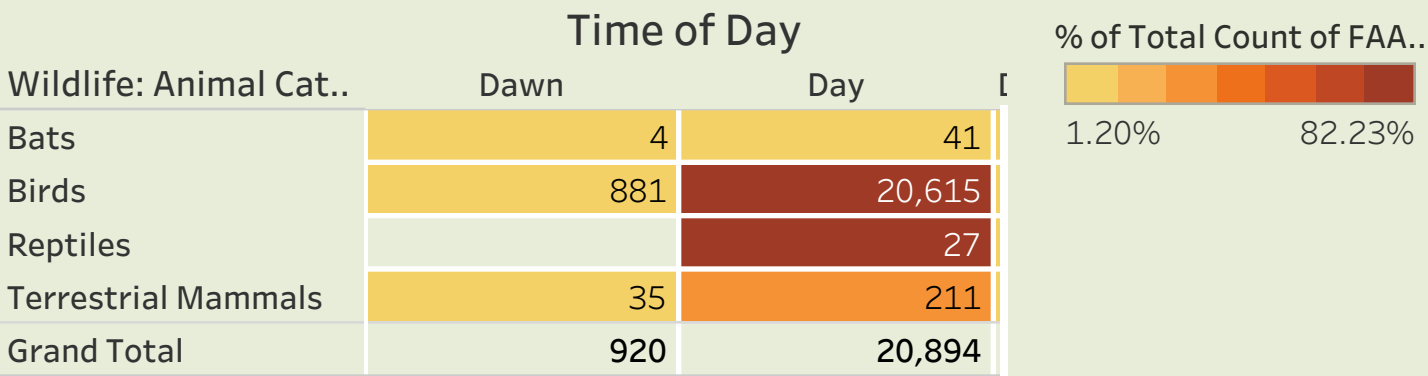
Sum of Cost: Total \$ broken down by Effect: Amount of damage (detailed) vs. Wildlife: Animal Category. Color shows sum of Cost: Total \$. The marks are labeled by sum of Cost: Total \$. The data is filtered on Wildlife: Species Order and Action (Wildlife: Animal Category). The Wildlife: Species Order filter keeps 31 of 31 members. The Action (Wildlife: Animal Category) filter keeps 4 members. The view is filtered on Wildlife: Animal Category, which keeps Bats, Birds, Reptiles and Terrestrial Mammals.

Wildlife: Animal .. r	None	Grand Total
Bats	\$4,955	\$28,342
Birds	\$1,414,391	\$288,893,917
Reptiles	\$0	\$0
Terrestrial Mamm..	\$11,589	\$33,238,628
Grand Total	\$1,430,935	\$322,160,887



Sum of Cost: Total \$ broken down by Effect: Amount of damage (detailed) vs. Wildlife: Animal Category. Color shows sum of Cost: Total \$. The marks are labeled by sum of Cost: Total \$. The data is filtered on Wildlife: Species Order and Action (Wildlife: Animal Category). The Wildlife: Species Order filter keeps 31 of 31 members. The Action (Wildlife: Animal Category) filter keeps 4 members. The view is filtered on Wildlife: Animal Category, which keeps Bats, Birds, Reptiles and Terrestrial Mammals.

Wildlife Pattern



Sum of Number of Strikes broken down by Time of Day vs. Wildlife: Animal Category. Color shows % of Total Count of FAA Wildlife Strikes. The marks are labeled by sum of Number of Strikes. The view is filtered on Wildlife: Animal Category, which keeps Bats, Birds, Reptiles and Terrestrial Mammals.

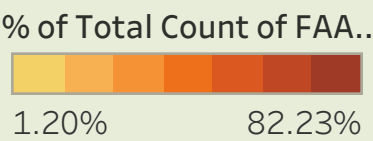
Wildlife Pattern

Wildlife: Animal Cat..	Time of Day		G	% of Total Count of FAA..	
	Dusk	Night		1.20%	82.23%
Bats	14	273			
Birds	1,313	4,280			
Reptiles	2	4			
Terrestrial Mammals	53	545			
Grand Total	1,382	5,102			

Sum of Number of Strikes broken down by Time of Day vs. Wildlife: Animal Category. Color shows % of Total Count of FAA Wildlife Strikes. The marks are labeled by sum of Number of Strikes. The view is filtered on Wildlife: Animal Category, which keeps Bats, Birds, Reptiles and Terrestrial Mammals.

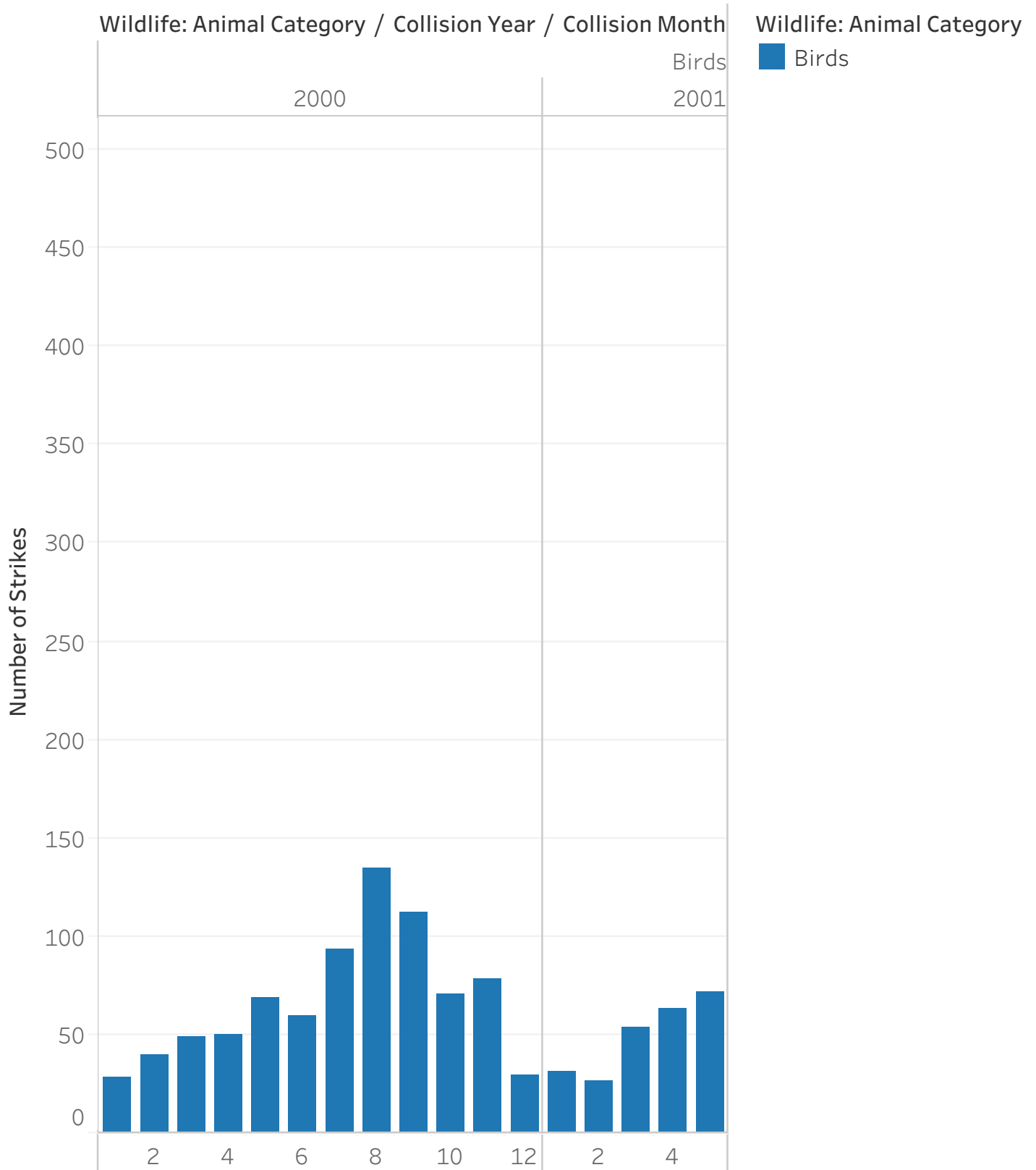
Wildlife Pattern

Wildlife: Animal Cat..	Time of Day
	Grand Total
Bats	332
Birds	27,089
Reptiles	33
Terrestrial Mammals	844
Grand Total	28,298



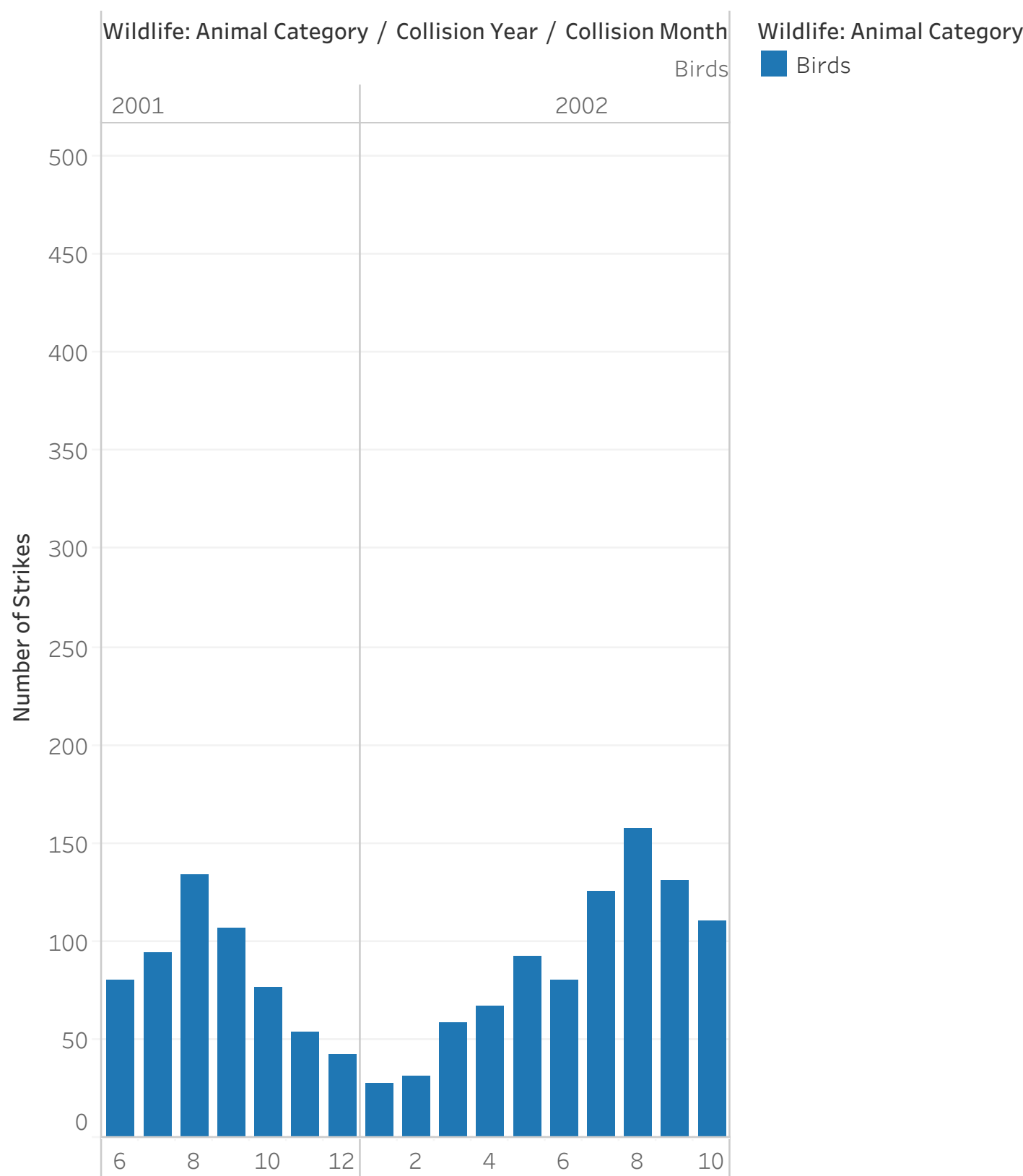
Sum of Number of Strikes broken down by Time of Day vs. Wildlife: Animal Category. Color shows % of Total Count of FAA Wildlife Strikes. The marks are labeled by sum of Number of Strikes. The view is filtered on Wildlife: Animal Category, which keeps Bats, Birds, Reptiles and Terrestrial Mammals.

Pattern of Bird Strikes



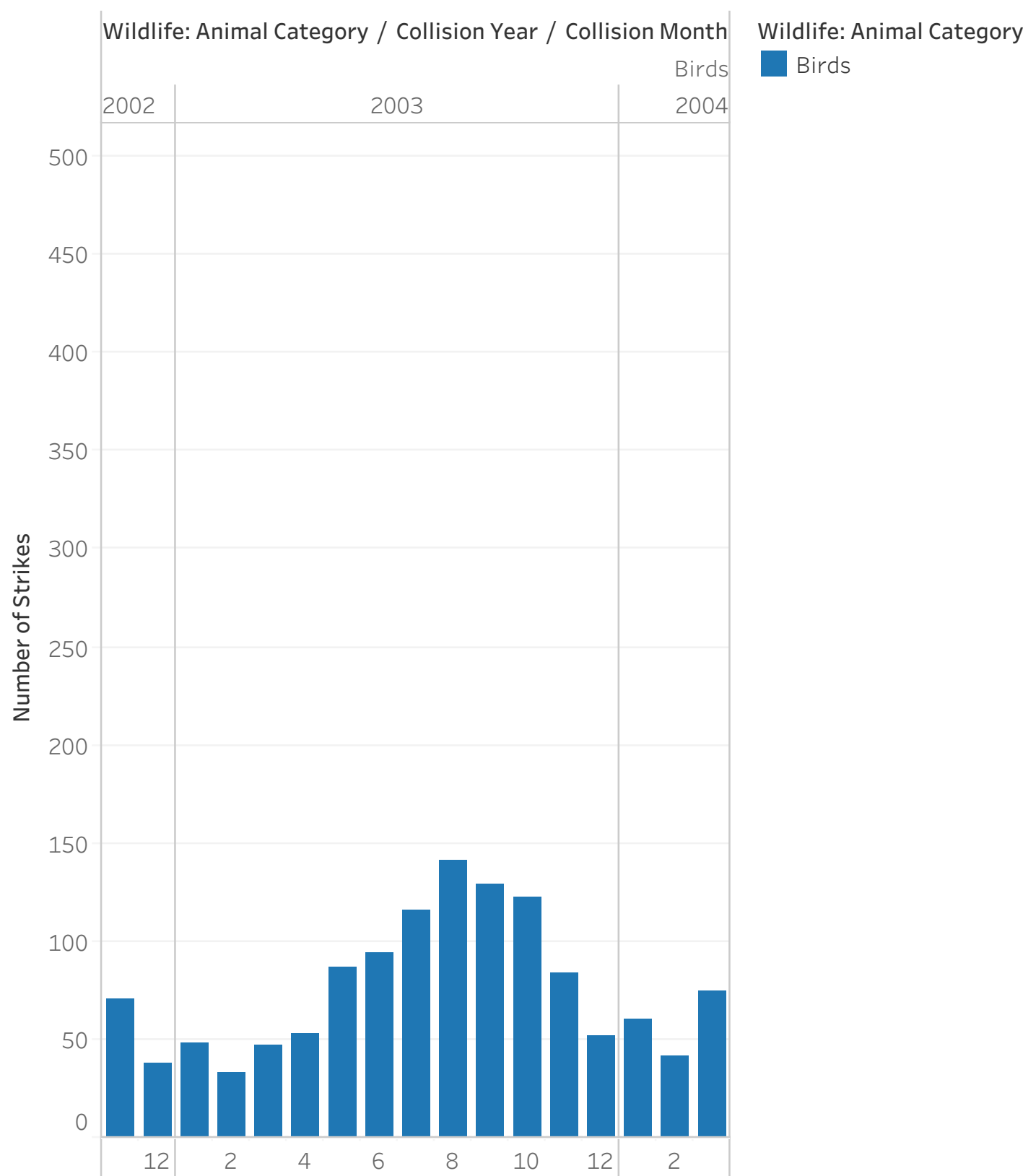
Sum of Number of Strikes for each Collision Month broken down by Wildlife: Animal Category and Collision Year. Color shows details about Wildlife: Animal Category. The view is filtered on Wildlife: Animal Category, which keeps Birds.

Pattern of Bird Strikes



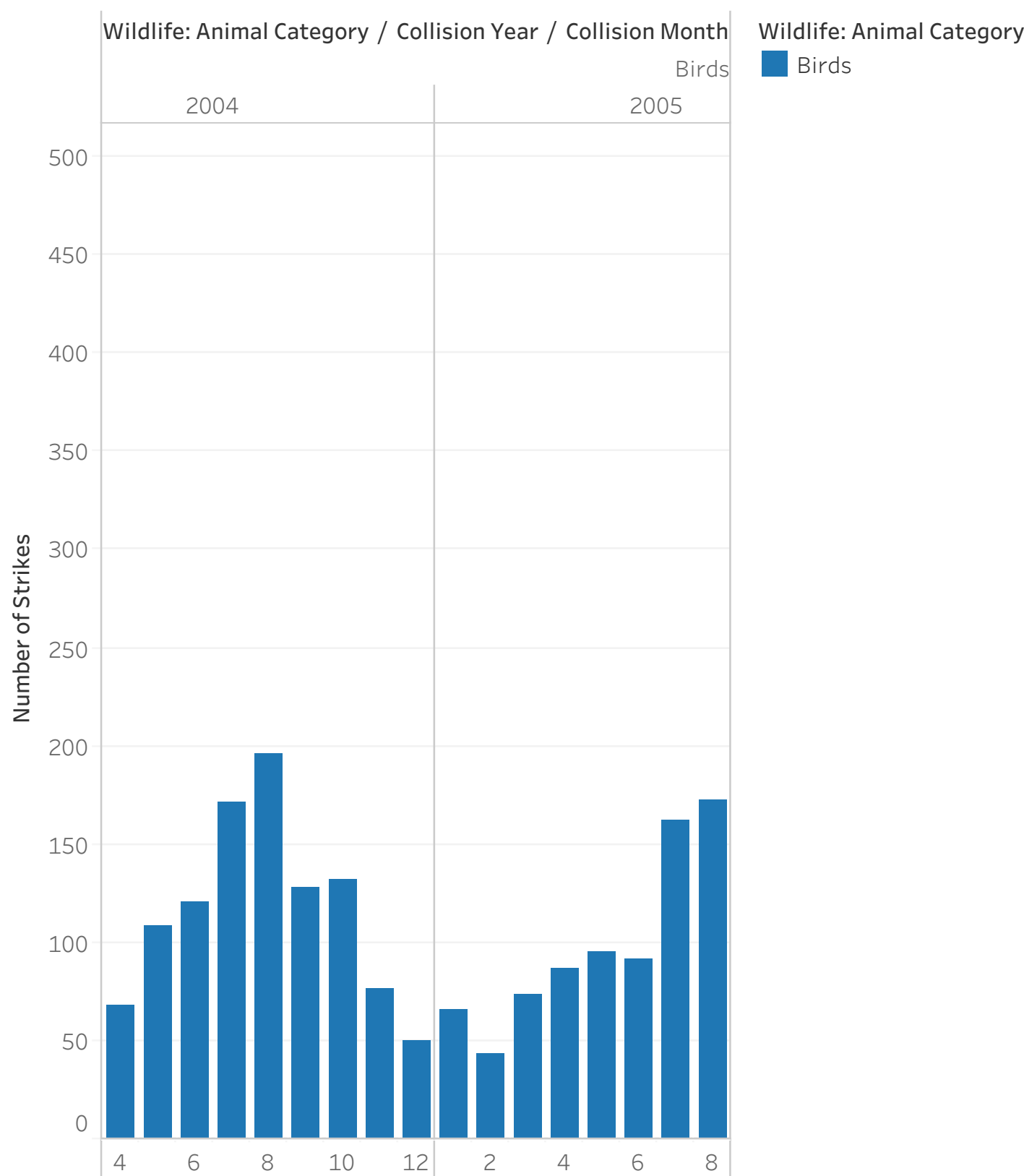
Sum of Number of Strikes for each Collision Month broken down by Wildlife: Animal Category and Collision Year. Color shows details about Wildlife: Animal Category. The view is filtered on Wildlife: Animal Category, which keeps Birds.

Pattern of Bird Strikes



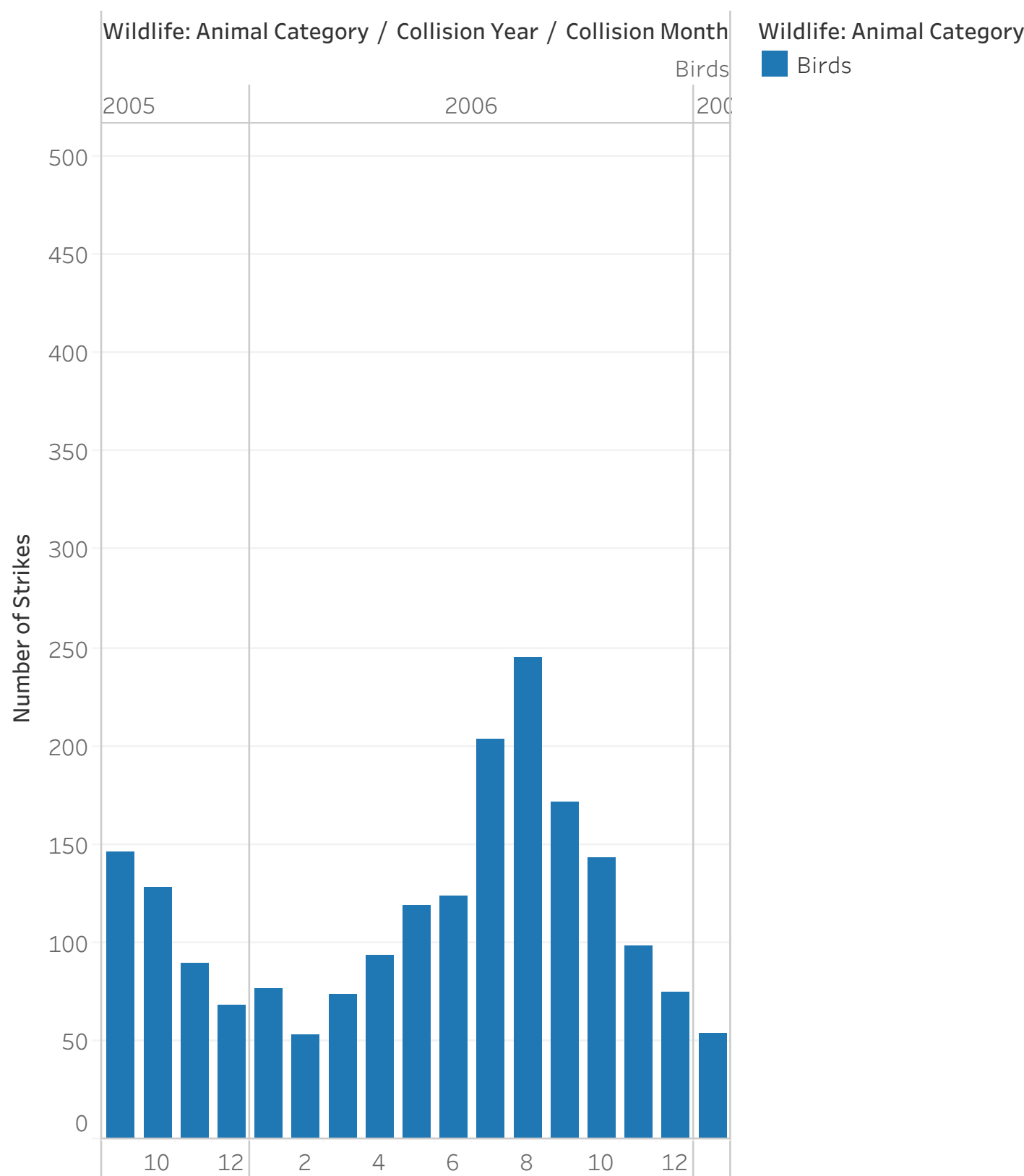
Sum of Number of Strikes for each Collision Month broken down by Wildlife: Animal Category and Collision Year. Color shows details about Wildlife: Animal Category. The view is filtered on Wildlife: Animal Category, which keeps Birds.

Pattern of Bird Strikes



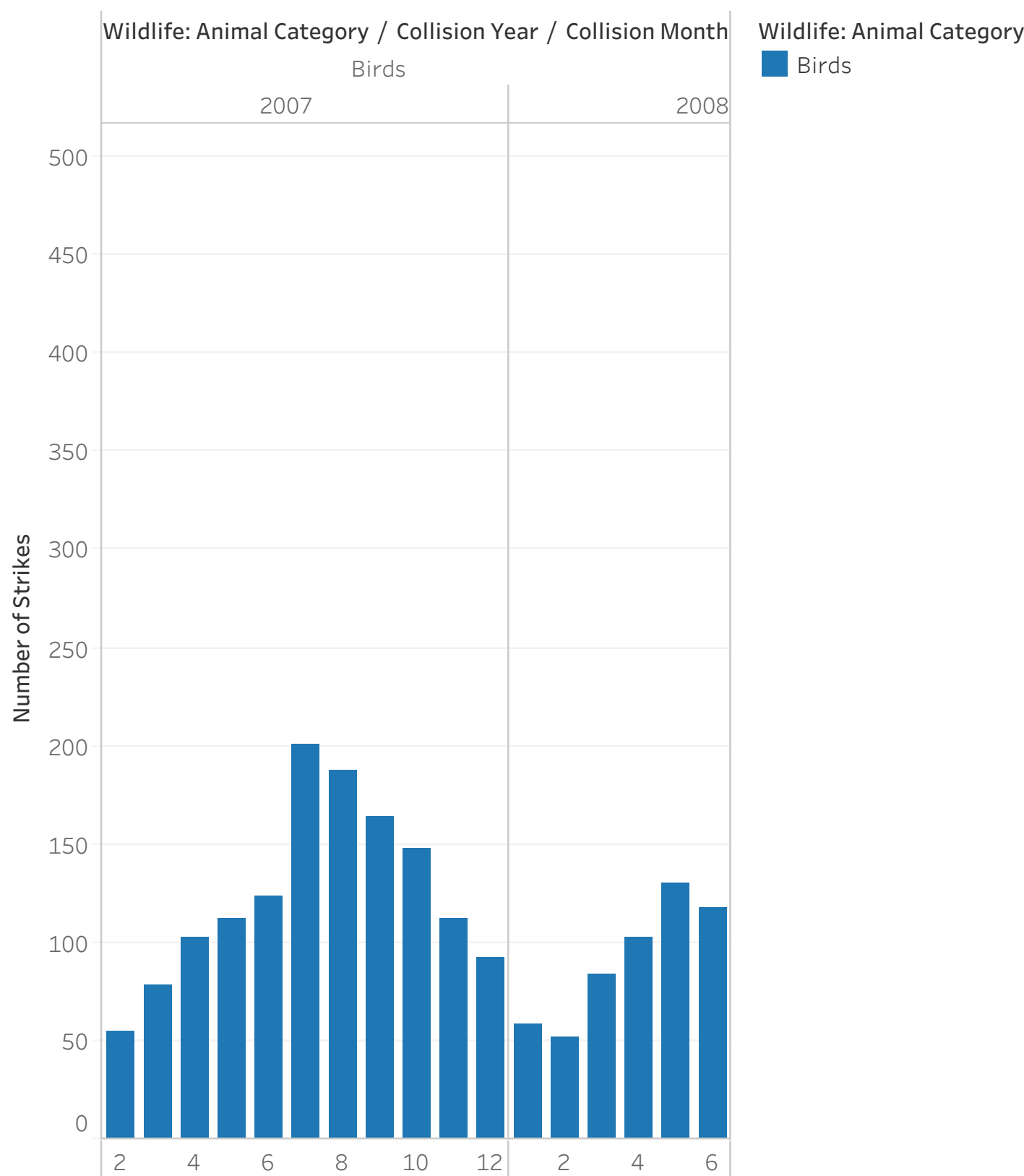
Sum of Number of Strikes for each Collision Month broken down by Wildlife: Animal Category and Collision Year. Color shows details about Wildlife: Animal Category. The view is filtered on Wildlife: Animal Category, which keeps Birds.

Pattern of Bird Strikes



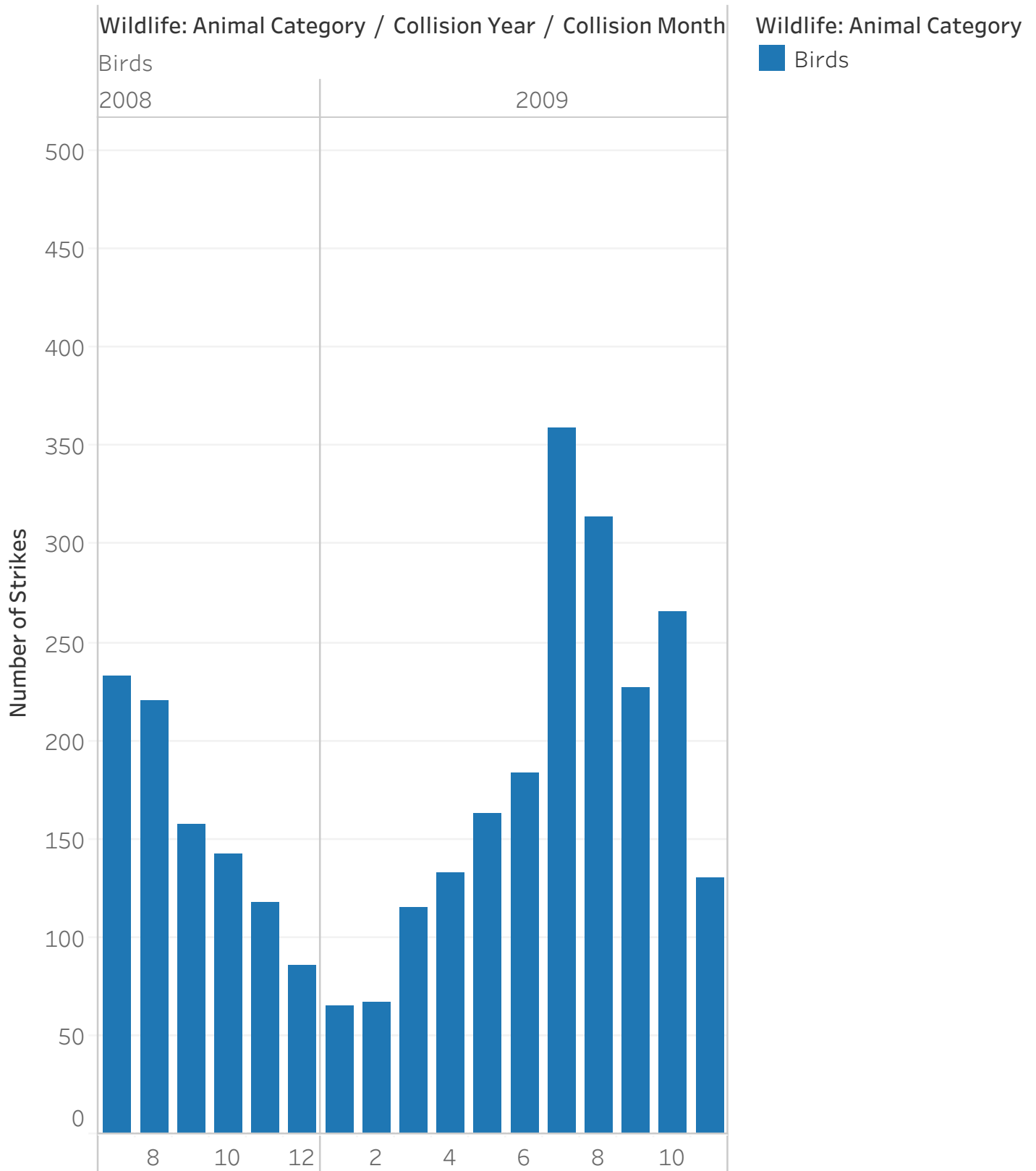
Sum of Number of Strikes for each Collision Month broken down by Wildlife: Animal Category and Collision Year. Color shows details about Wildlife: Animal Category. The view is filtered on Wildlife: Animal Category, which keeps Birds.

Pattern of Bird Strikes



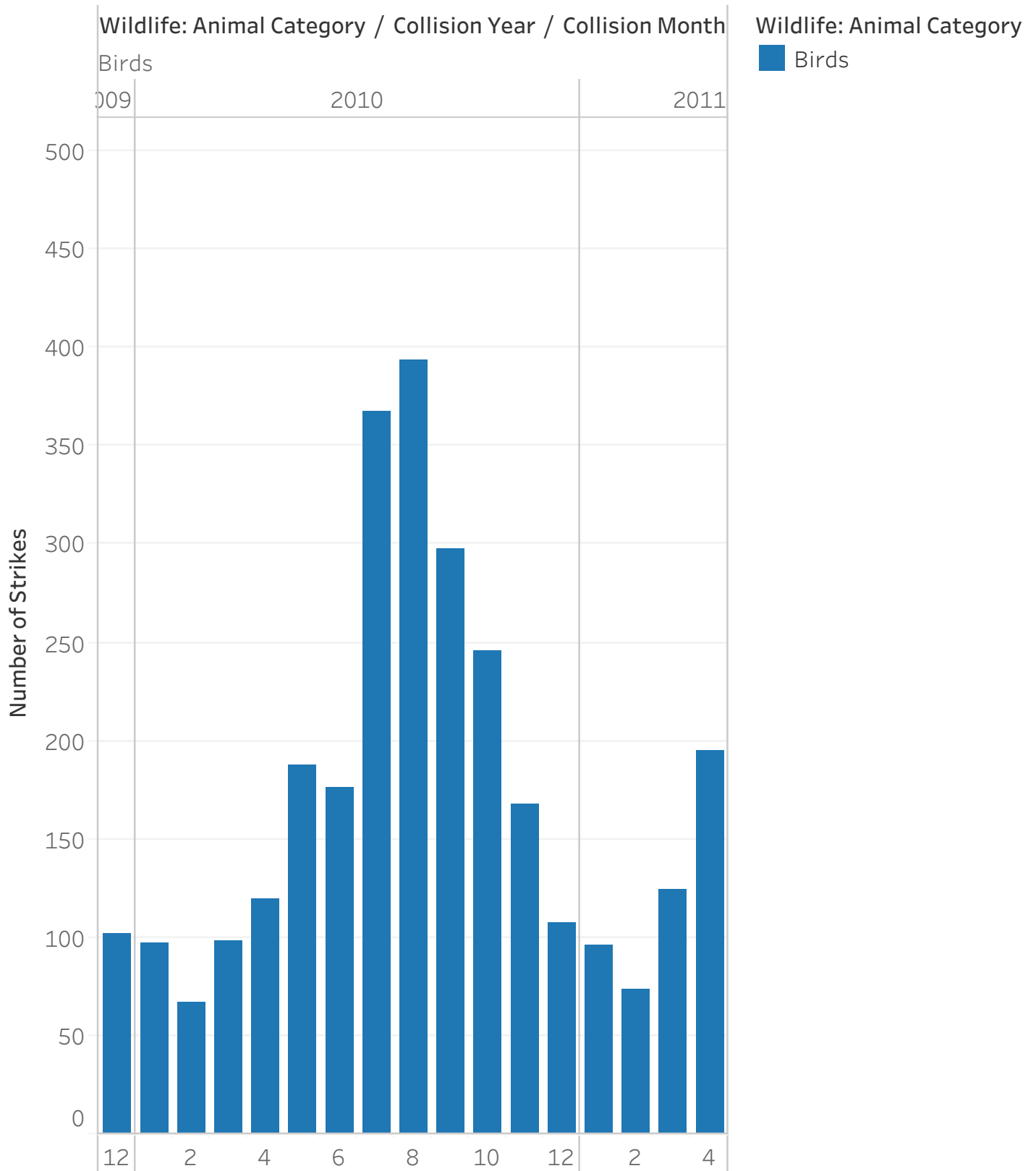
Sum of Number of Strikes for each Collision Month broken down by Wildlife: Animal Category and Collision Year. Color shows details about Wildlife: Animal Category. The view is filtered on Wildlife: Animal Category, which keeps Birds.

Pattern of Bird Strikes



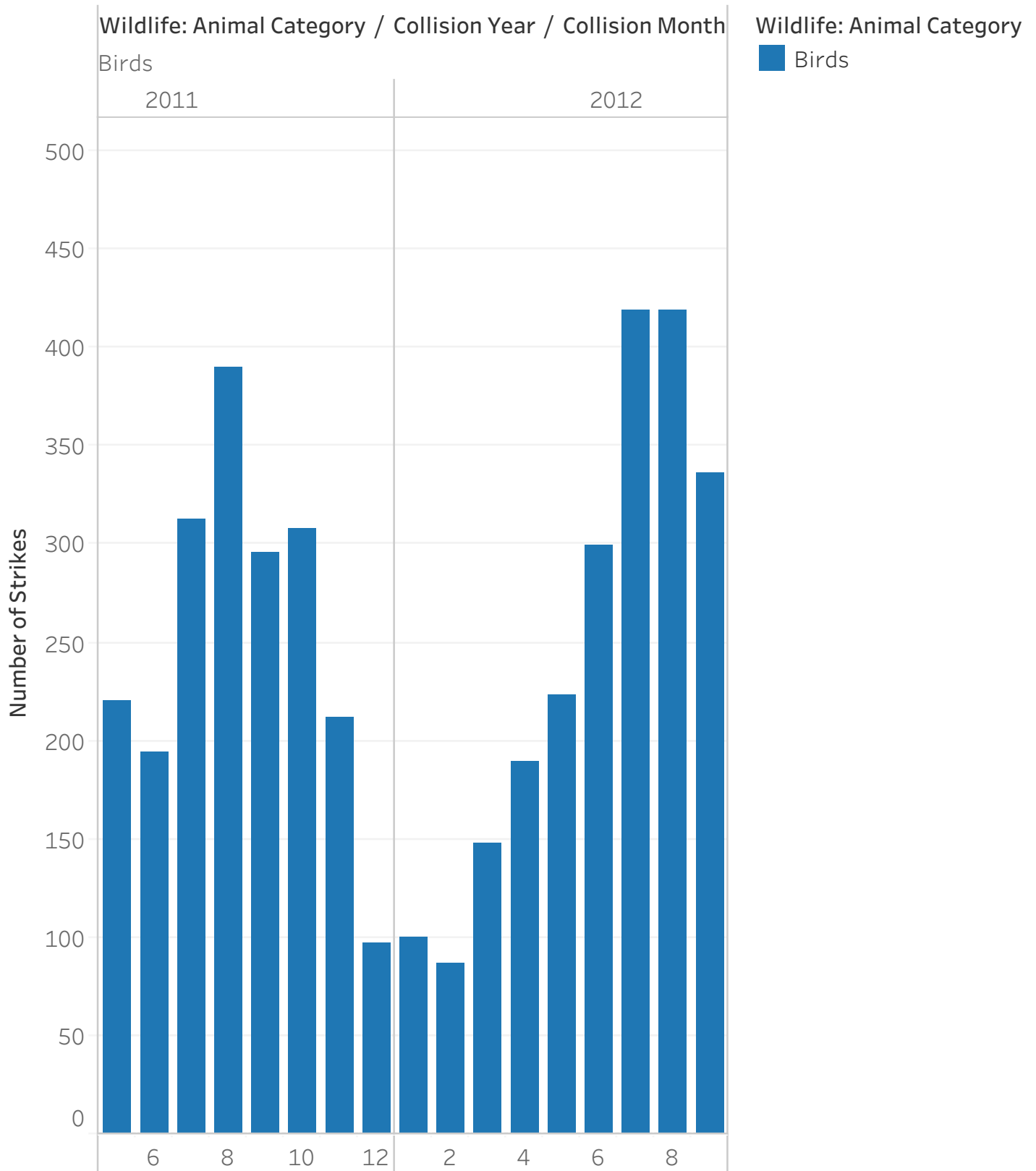
Sum of Number of Strikes for each Collision Month broken down by Wildlife: Animal Category and Collision Year. Color shows details about Wildlife: Animal Category. The view is filtered on Wildlife: Animal Category, which keeps Birds.

Pattern of Bird Strikes



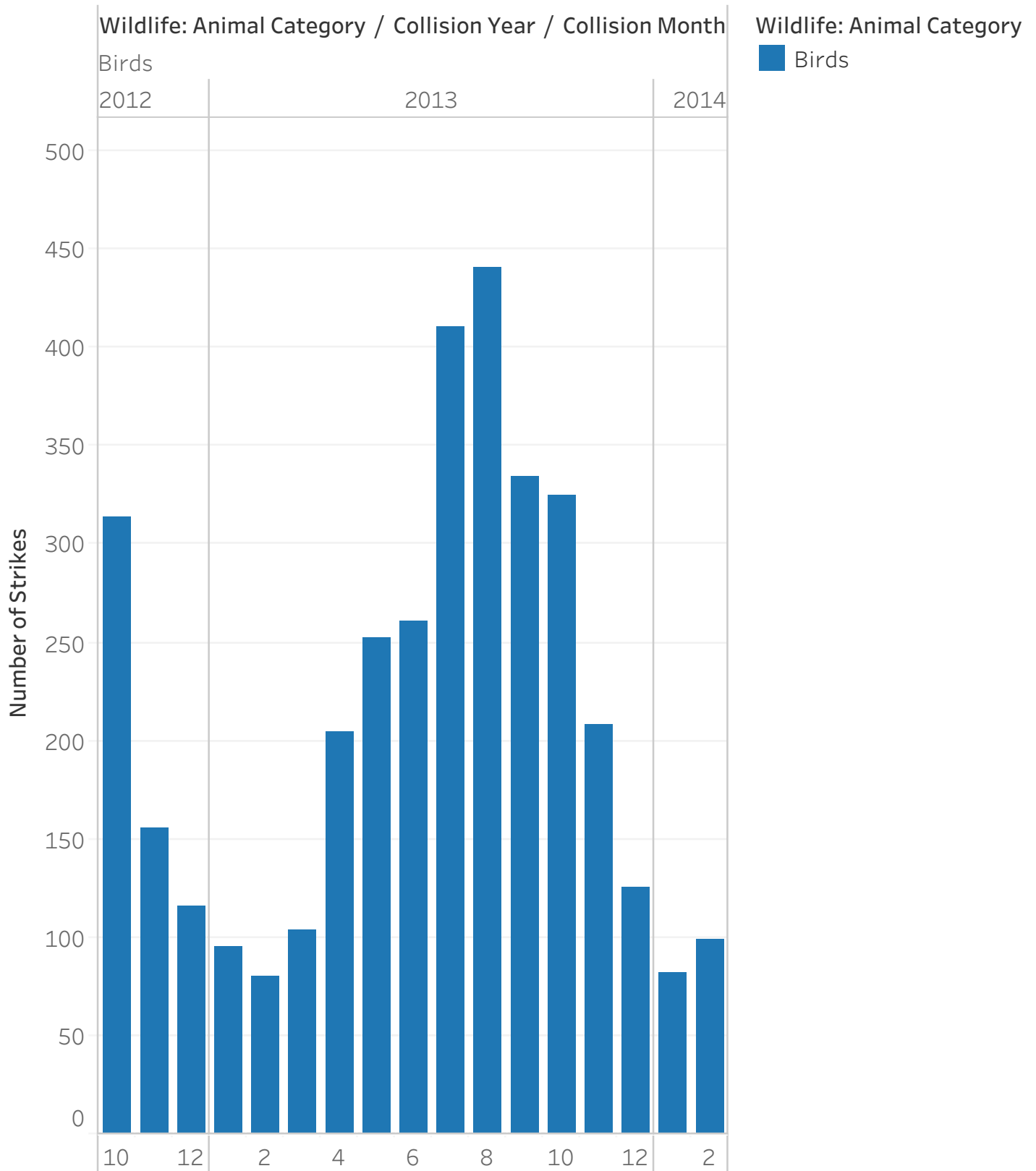
Sum of Number of Strikes for each Collision Month broken down by Wildlife: Animal Category and Collision Year. Color shows details about Wildlife: Animal Category. The view is filtered on Wildlife: Animal Category, which keeps Birds.

Pattern of Bird Strikes



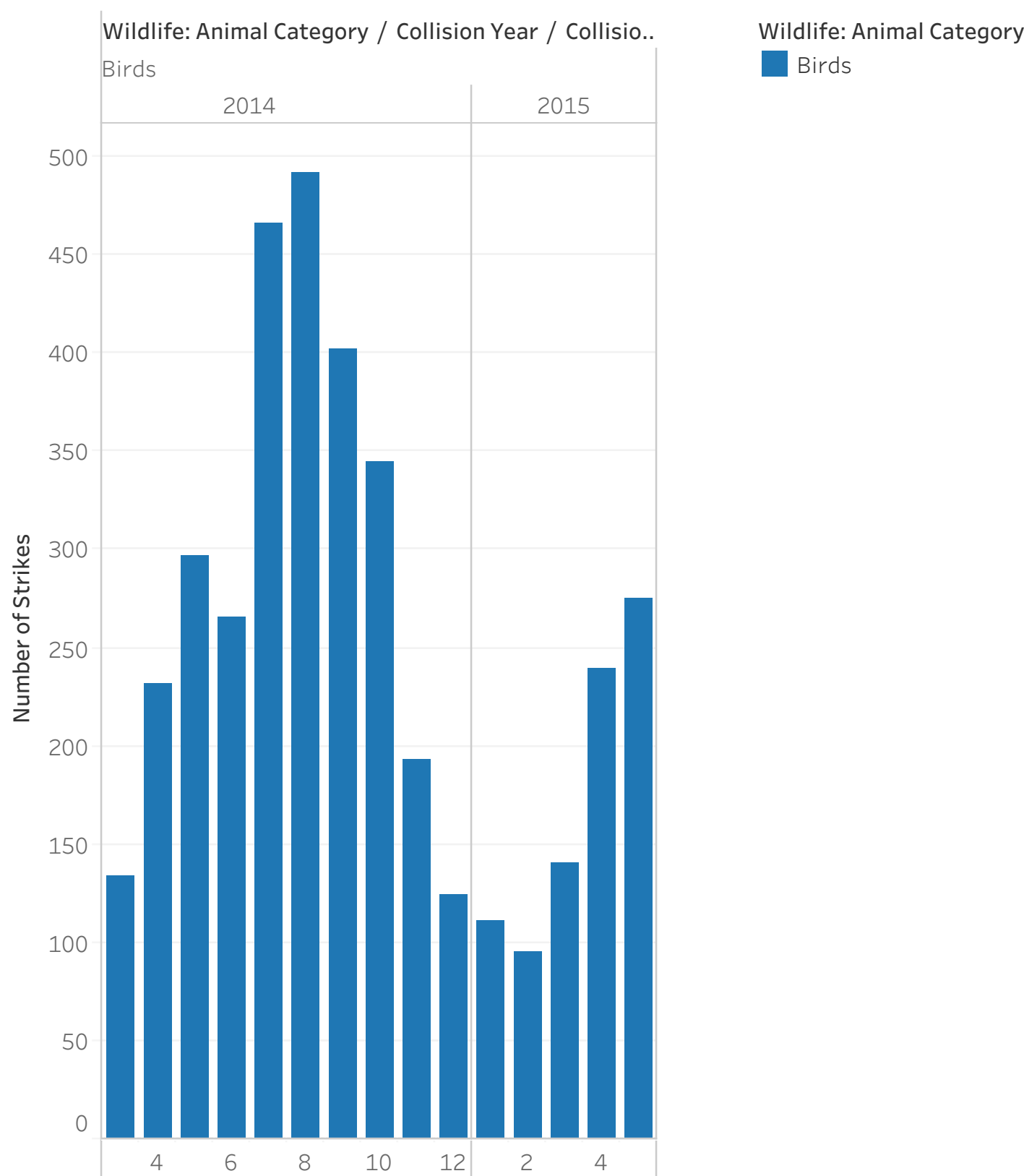
Sum of Number of Strikes for each Collision Month broken down by Wildlife: Animal Category and Collision Year. Color shows details about Wildlife: Animal Category. The view is filtered on Wildlife: Animal Category, which keeps Birds.

Pattern of Bird Strikes



Sum of Number of Strikes for each Collision Month broken down by Wildlife: Animal Category and Collision Year. Color shows details about Wildlife: Animal Category. The view is filtered on Wildlife: Animal Category, which keeps Birds.

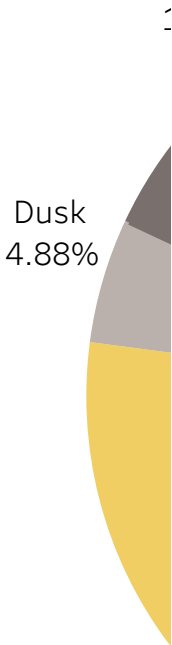
Pattern of Bird Strikes



Sum of Number of Strikes for each Collision Month broken down by Wildlife: Animal Category and Collision Year. Color shows details about Wildlife: Animal Category. The view is filtered on Wildlife: Animal Category, which keeps Birds.

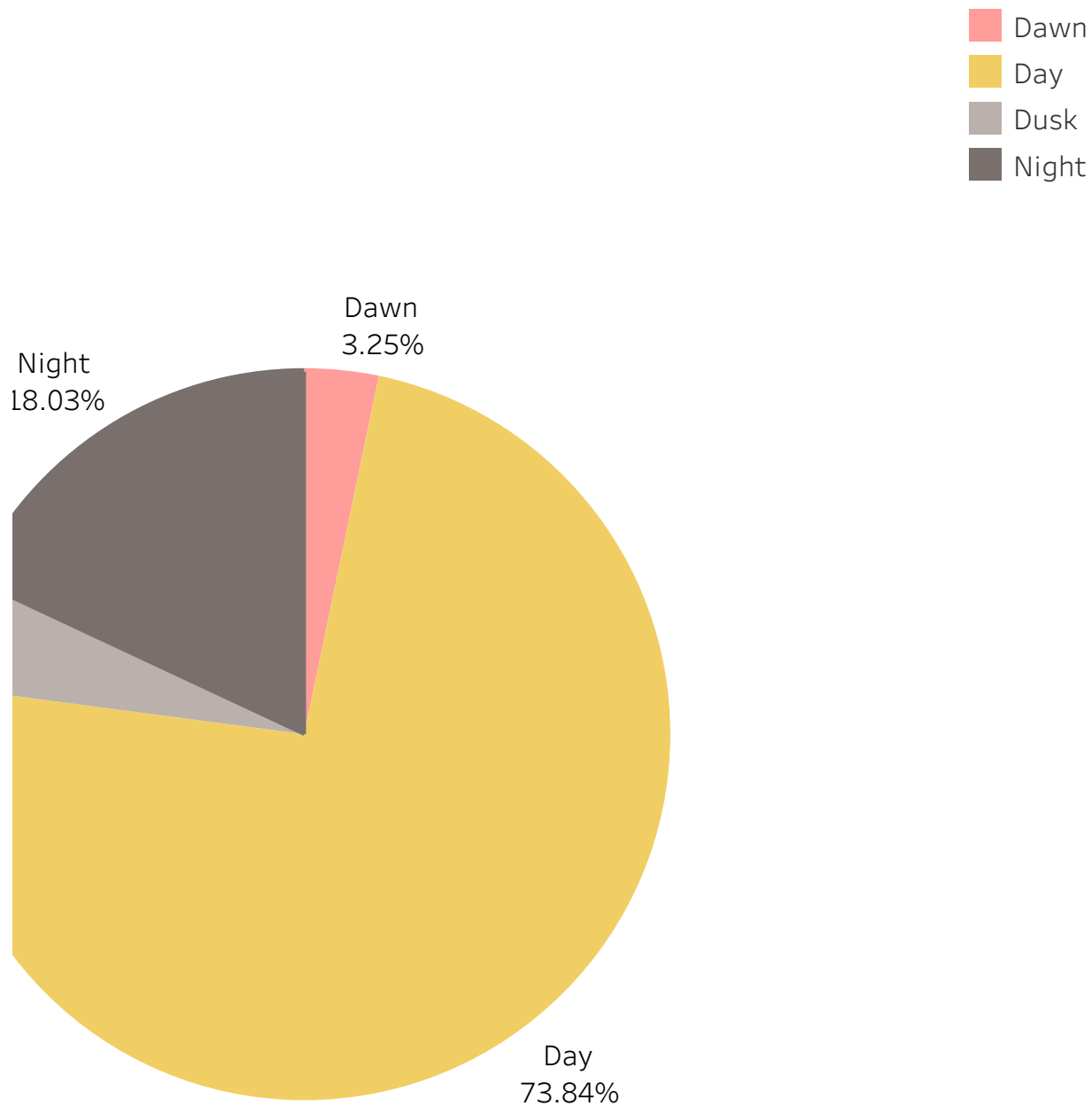
Piechart: Time of Day

- Dawn
- Day
- Dusk
- Night



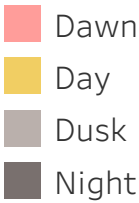
Time of Day and % of Total Count of FAA Wildlife Strikes. Color shows details about Time of Day. The marks are labeled by Time of Day and % of Total Count of FAA Wildlife Strikes.

Piechart: Time of Day



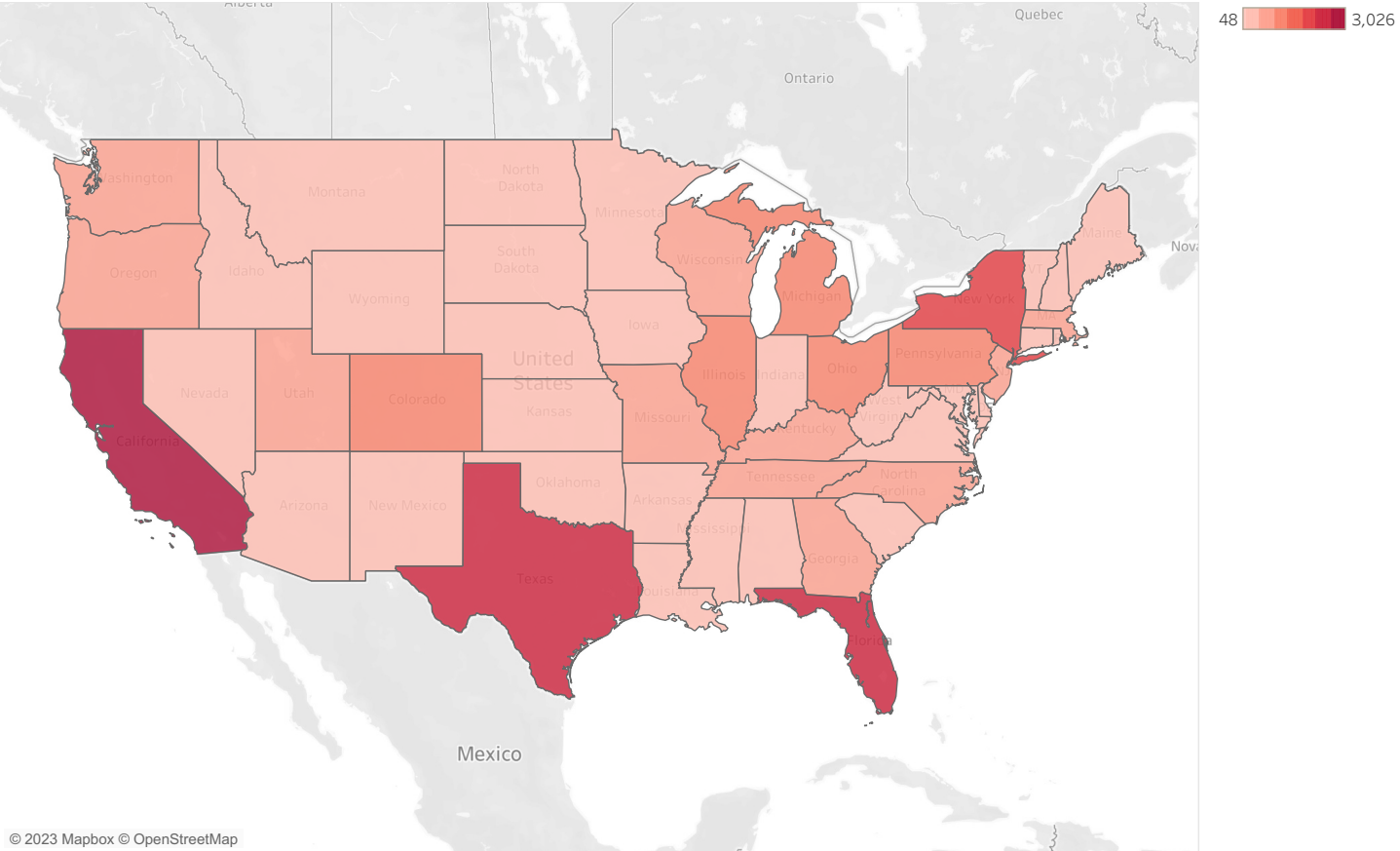
Time of Day and % of Total Count of FAA Wildlife Strikes. Color shows details about Time of Day. The marks are labeled by Time of Day and % of Total Count of FAA Wildlife Strikes.

Piechart: Time of Day



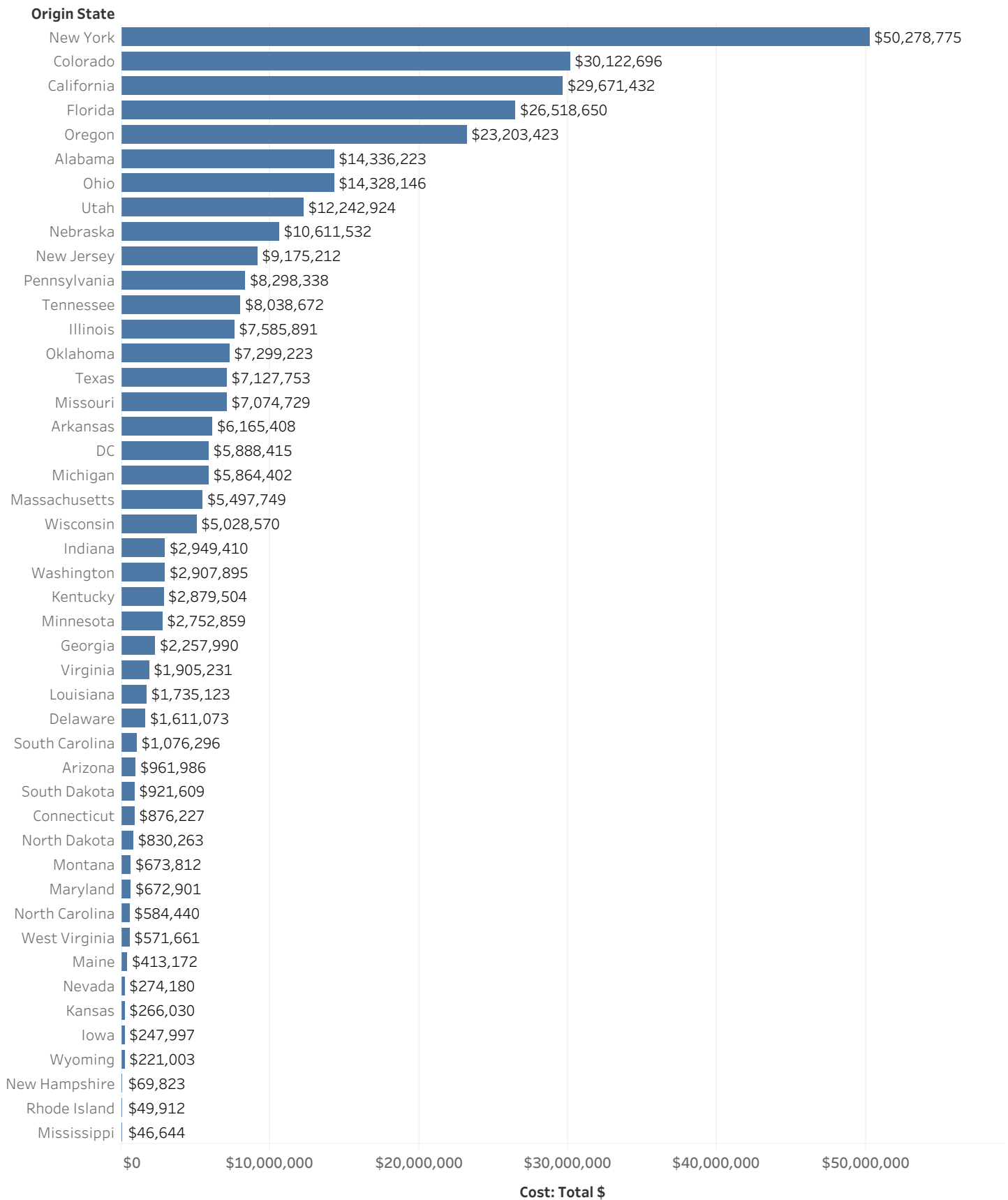
Time of Day and % of Total Count of FAA Wildlife Strikes. Color shows details about Time of Day. The marks are labeled by Time of Day and % of Total Count of FAA Wildlife Strikes.

Map State Density



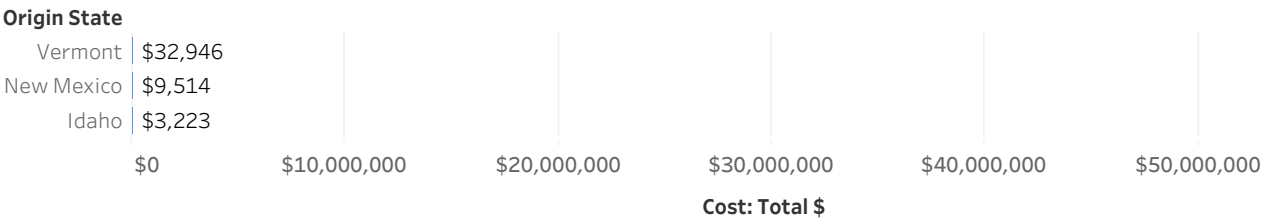
Map based on Longitude (generated) and Latitude (generated). Color shows sum of Number of Strikes. Details are shown for Origin State and Country.

Cost Across States



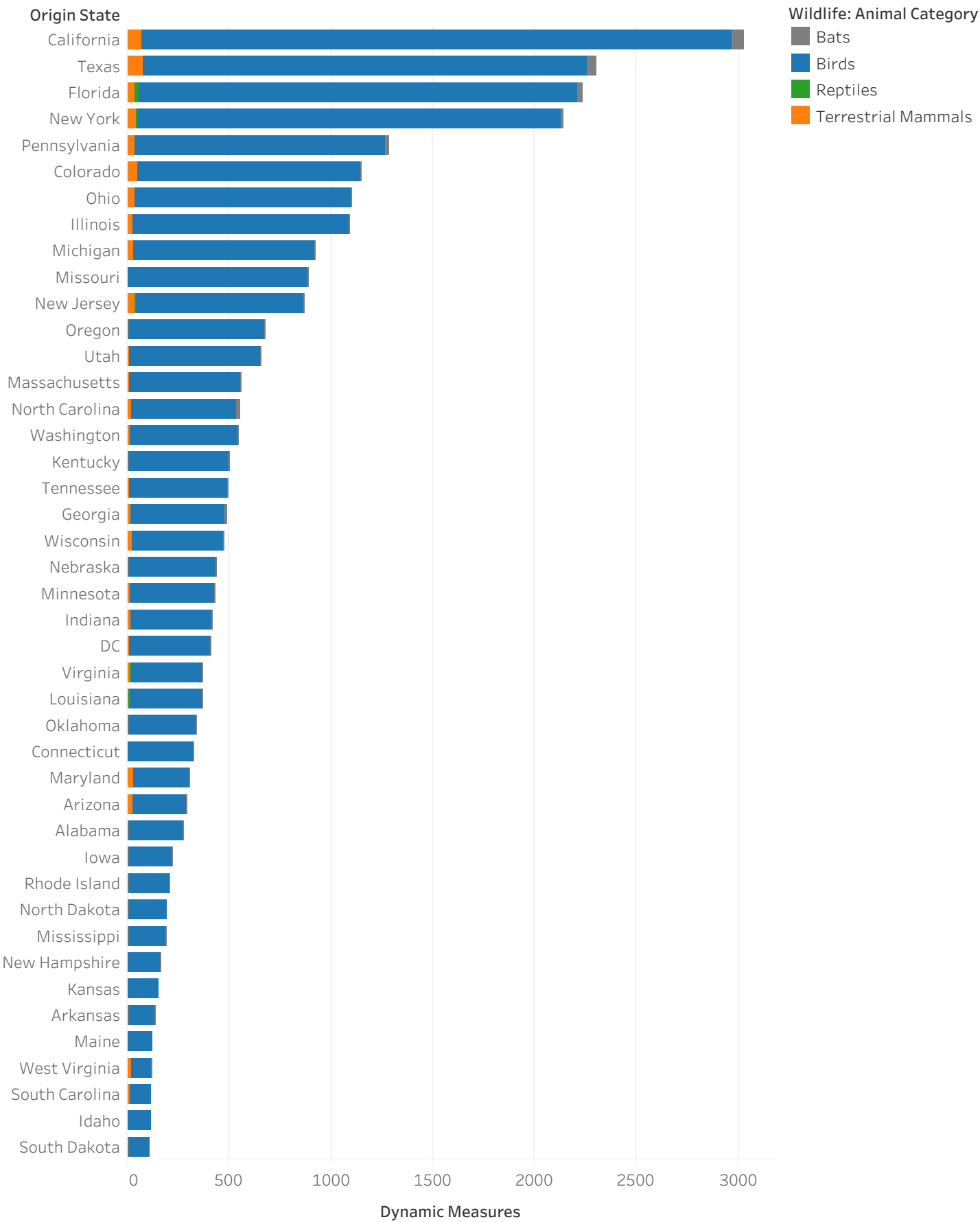
Sum of Cost: Total \$ for each Origin State. The marks are labeled by sum of Cost: Total \$. The data is filtered on Action (Country,Origin State) and Action (Wildlife: Animal Category). The Action (Country,Origin State) filter keeps 49 members. The Action (Wildlife: Animal Category) filter keeps 4 members.

Cost Across States



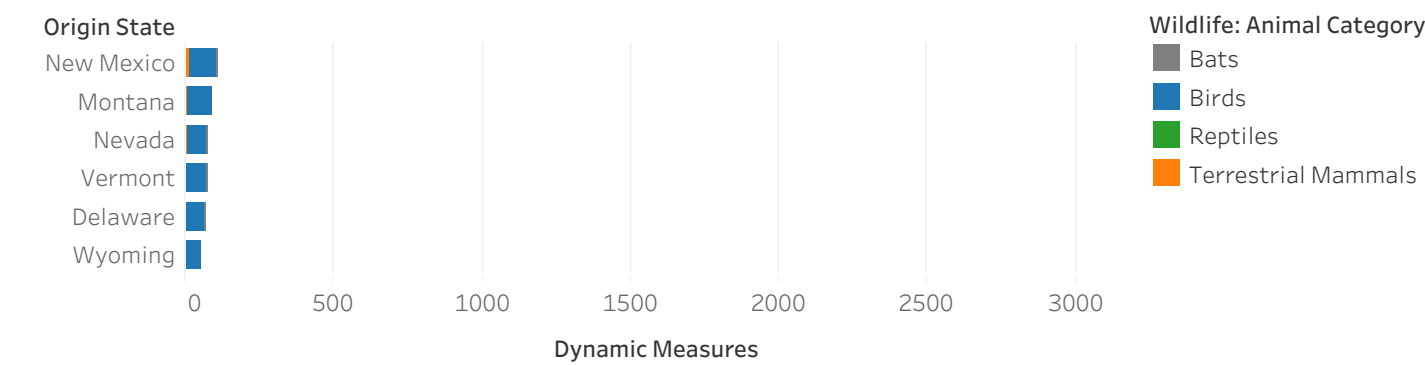
Sum of Cost: Total \$ for each Origin State. The marks are labeled by sum of Cost: Total \$. The data is filtered on Action (Country,Origin State) and Action (Wildlife: Animal Category). The Action (Country,Origin State) filter keeps 49 members. The Action (Wildlife: Animal Category) filter keeps 4 members.

Cost Across States



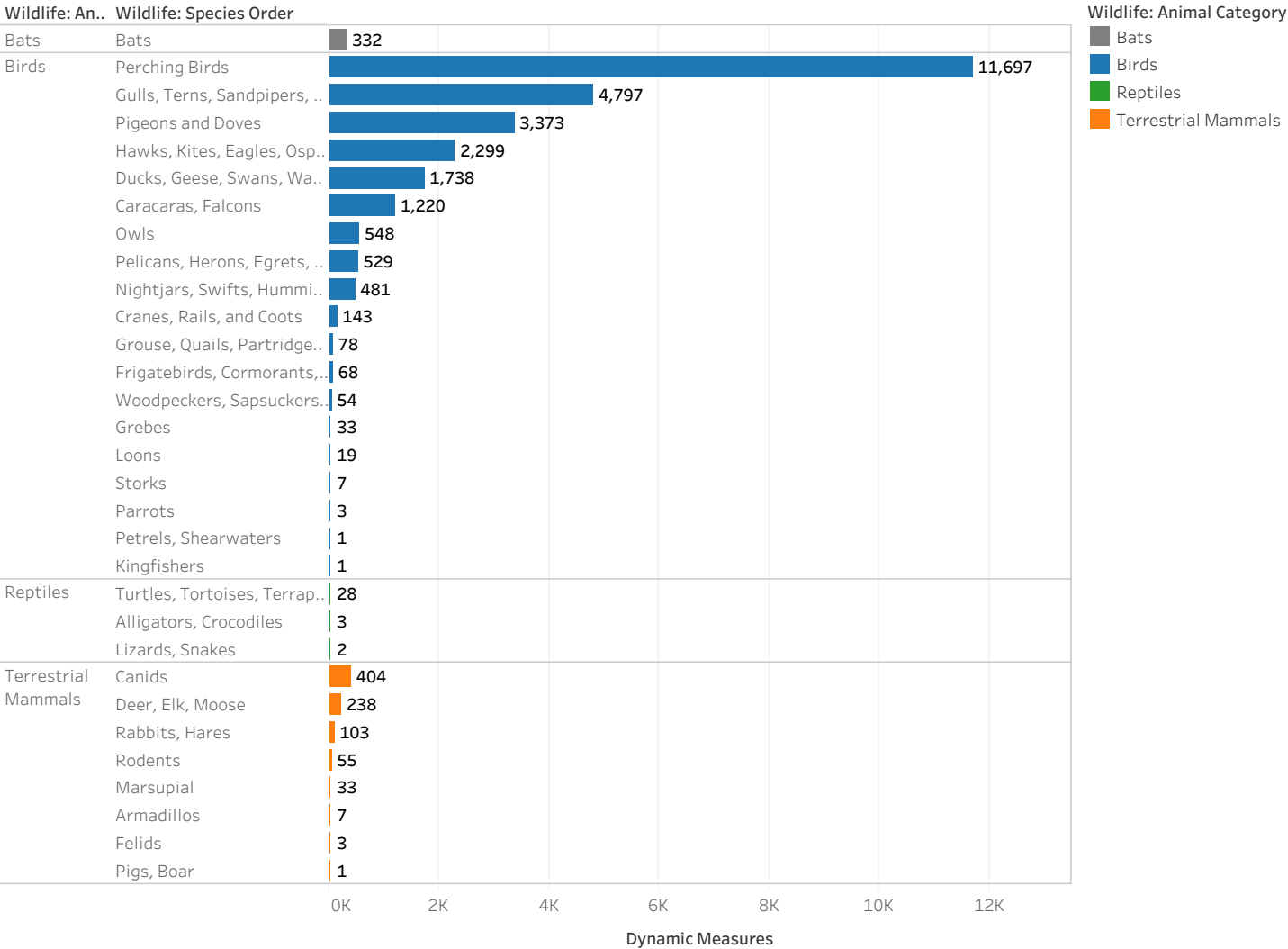
Sum of Dynamic Measures for each Origin State. Color shows details about Wildlife: Animal Category.

Cost Across States



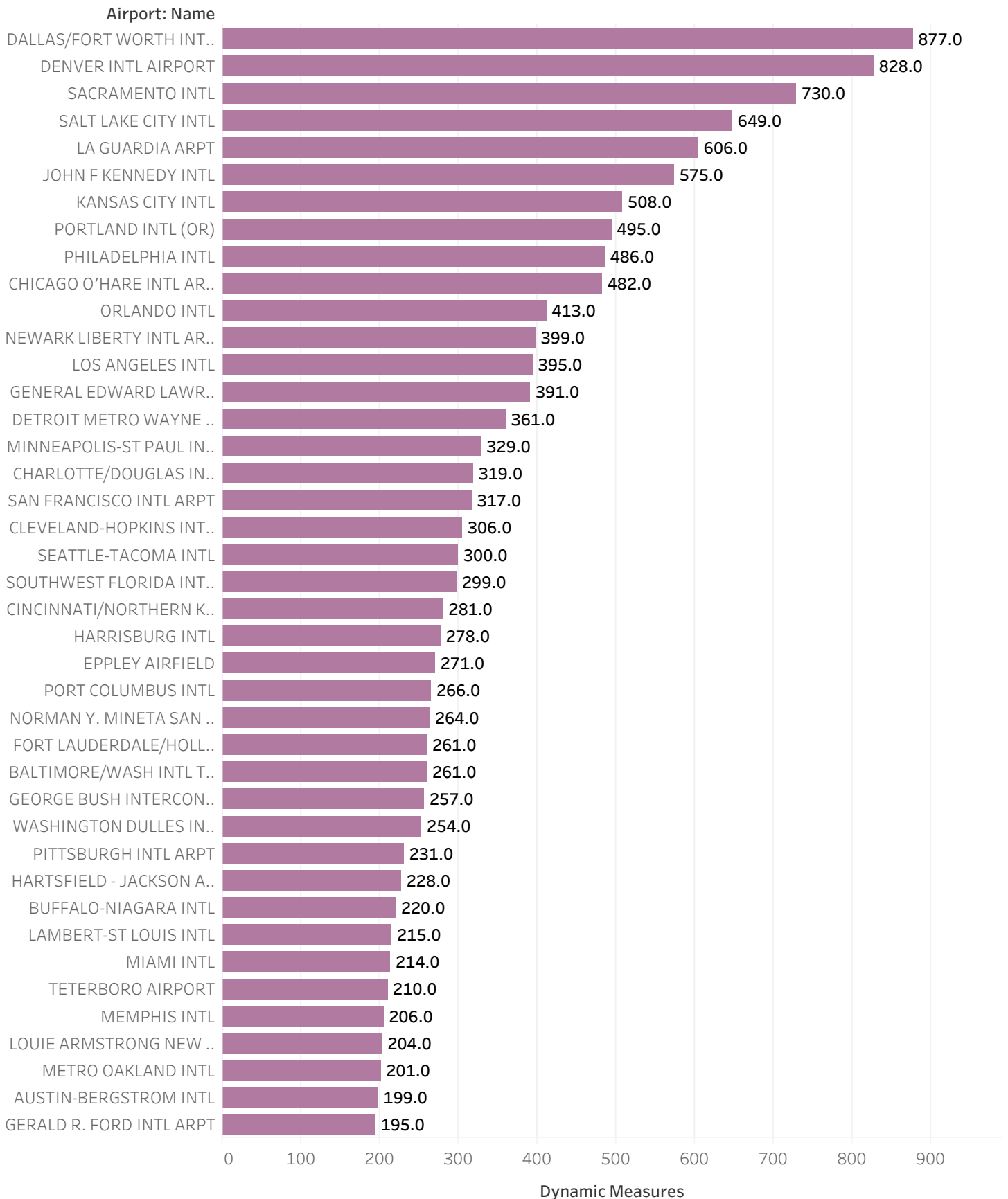
Sum of Dynamic Measures for each Origin State. Color shows details about Wildlife: Animal Category.

Number of Strikes Across States
by Animal



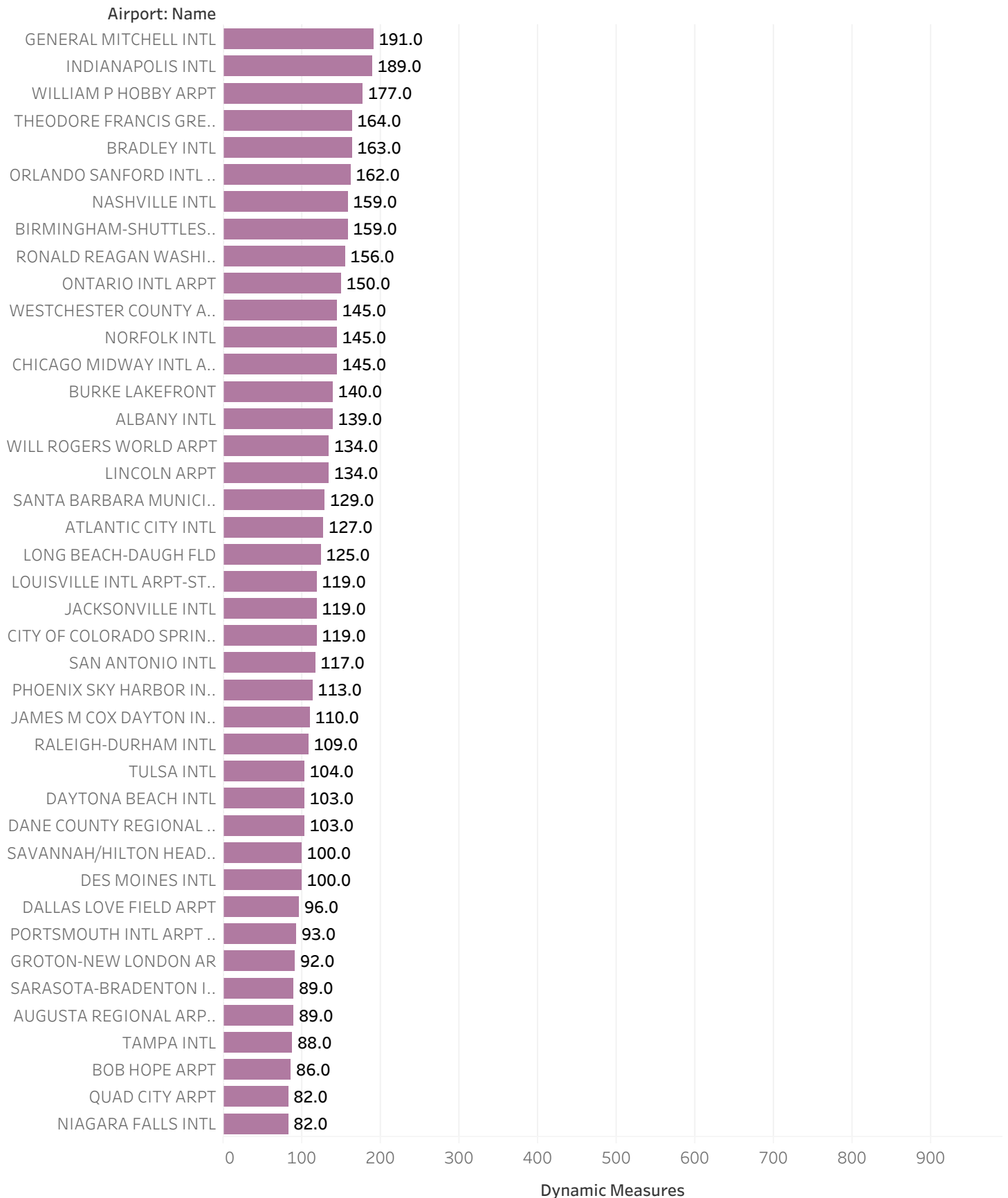
Sum of Dynamic Measures for each Wildlife: Species Order broken down by Wildlife: Animal Category. Color shows details about Wildlife: Animal Category. The view is filtered on Wildlife: Animal Category, which keeps Bats, Birds, Reptiles and Terrestrial Mammals.

Number of Strikes Across Airlines



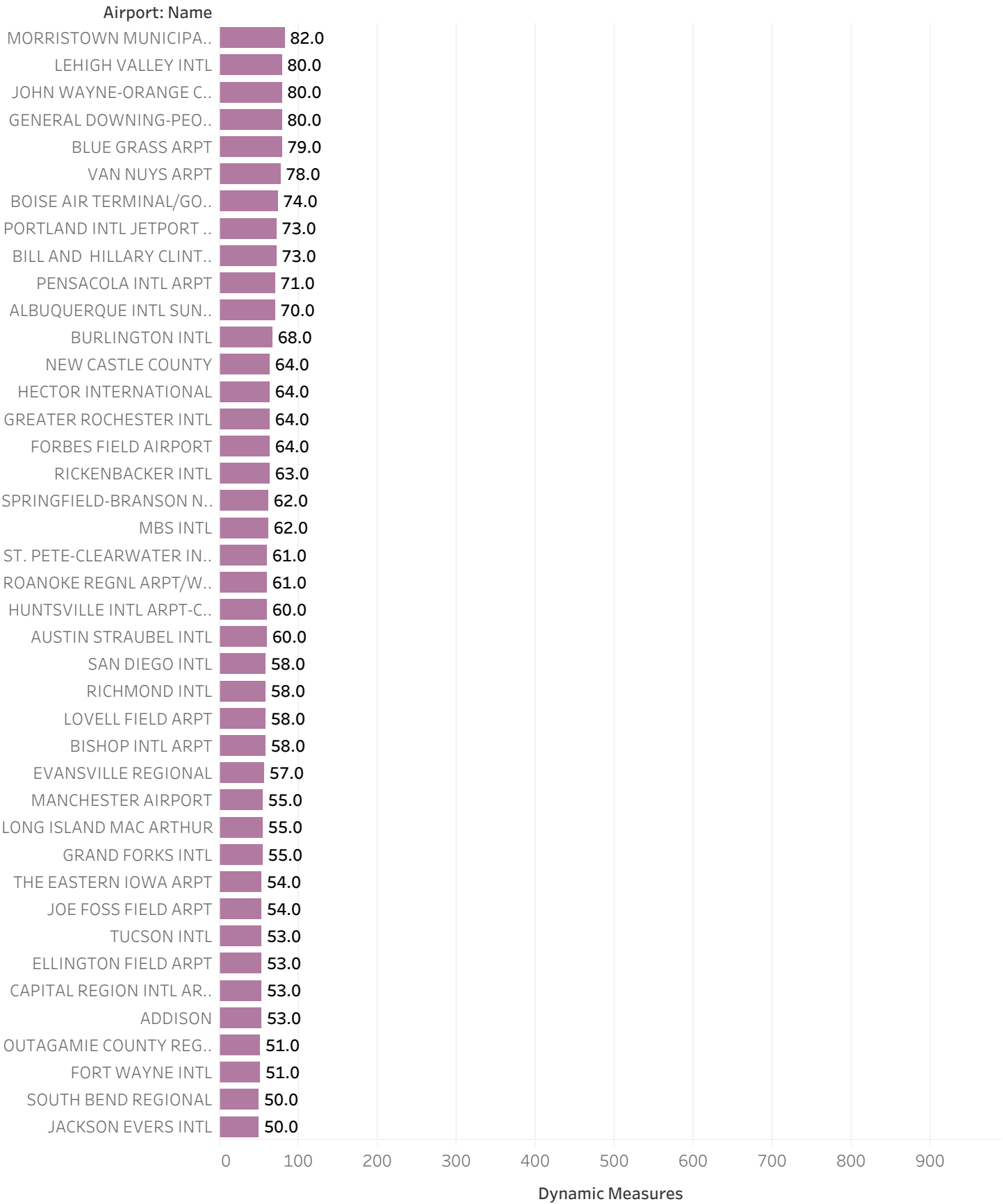
Sum of Dynamic Measures for each Airport: Name. The view is filtered on sum of Dynamic Measures, which keeps non-Null values only.

Number of Strikes Across Airlines



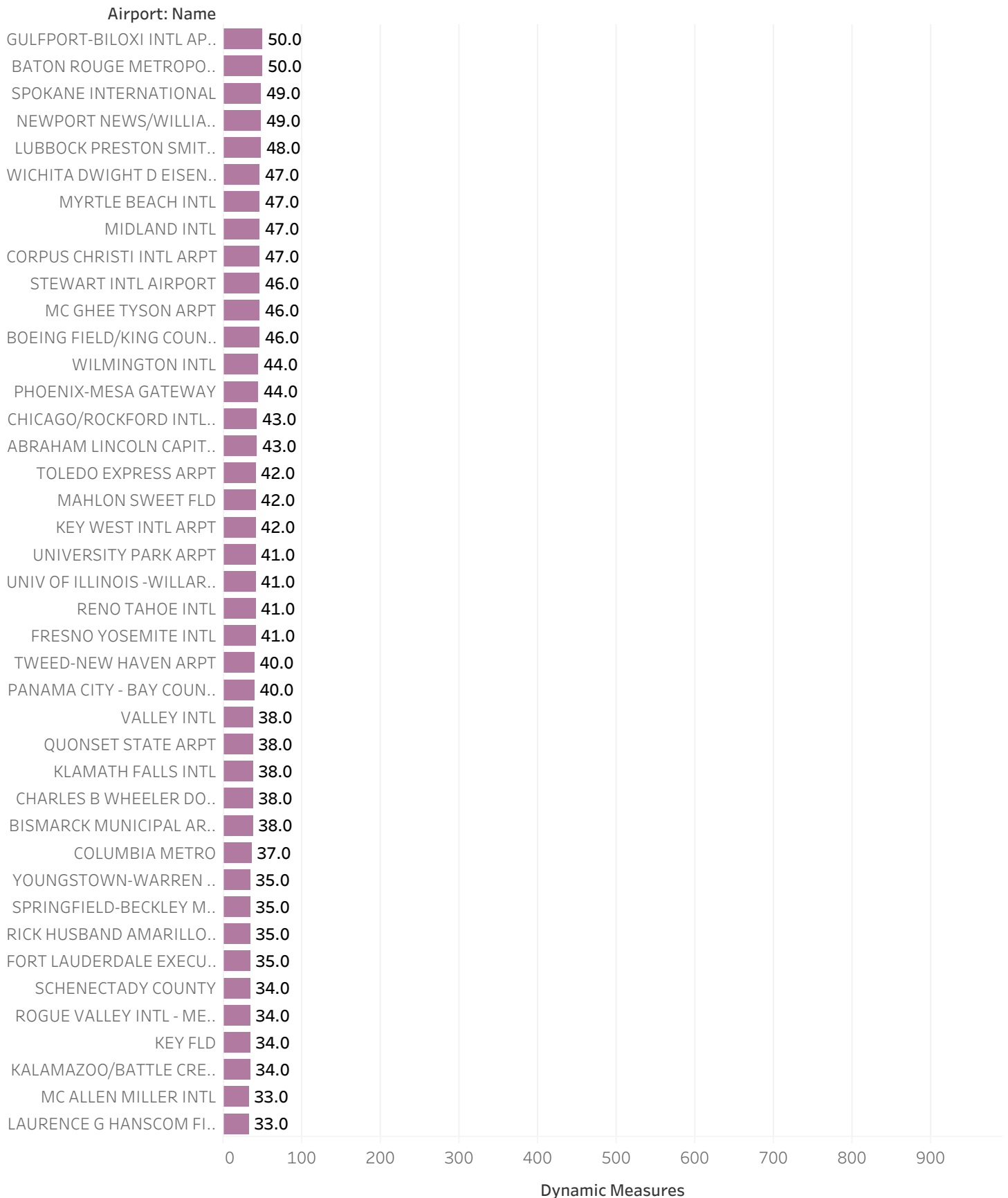
Sum of Dynamic Measures for each Airport: Name. The view is filtered on sum of Dynamic Measures, which keeps non-Null values only.

Number of Strikes Across Airlines



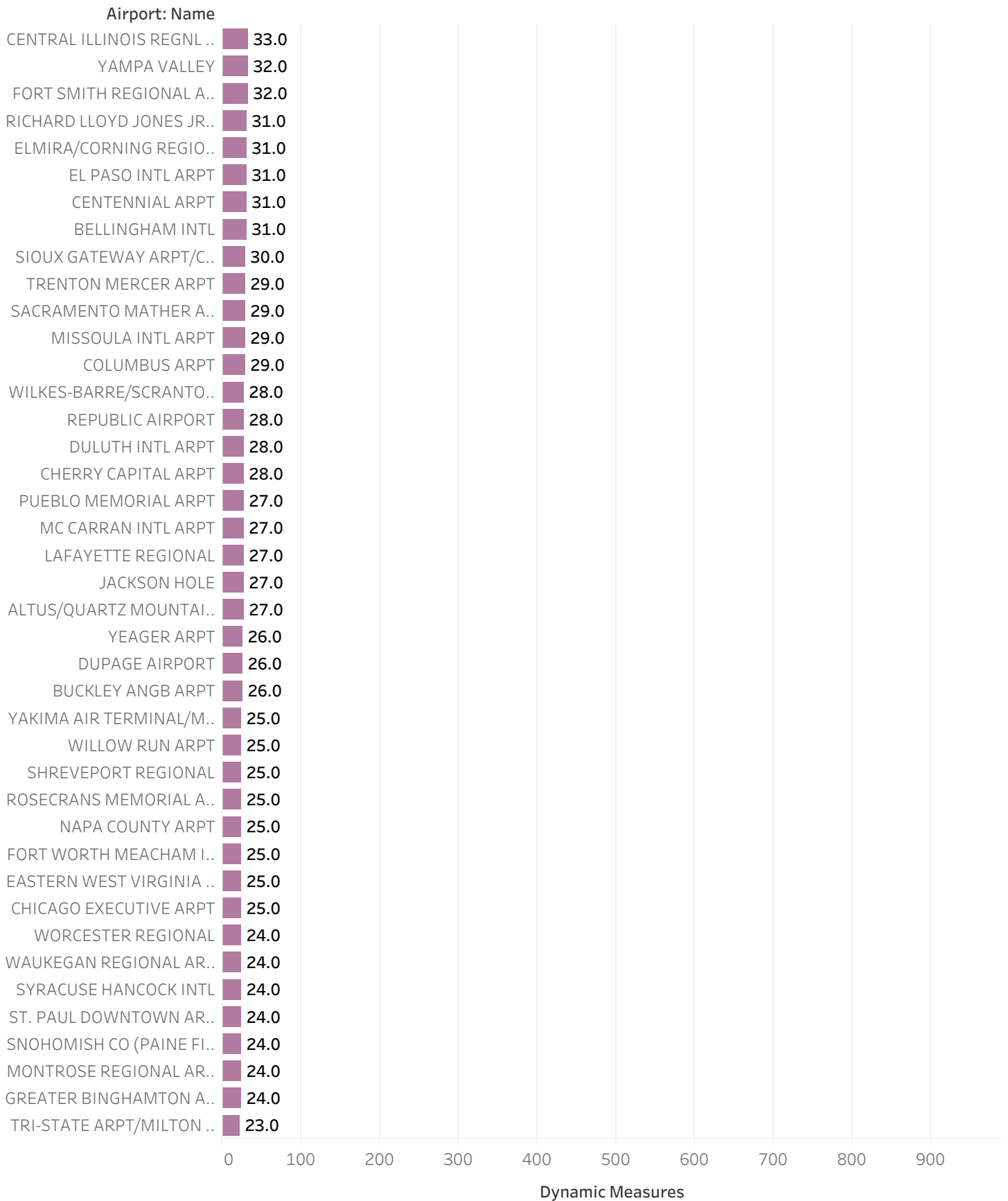
Sum of Dynamic Measures for each Airport: Name. The view is filtered on sum of Dynamic Measures, which keeps non-Null values only.

Number of Strikes Across Airlines



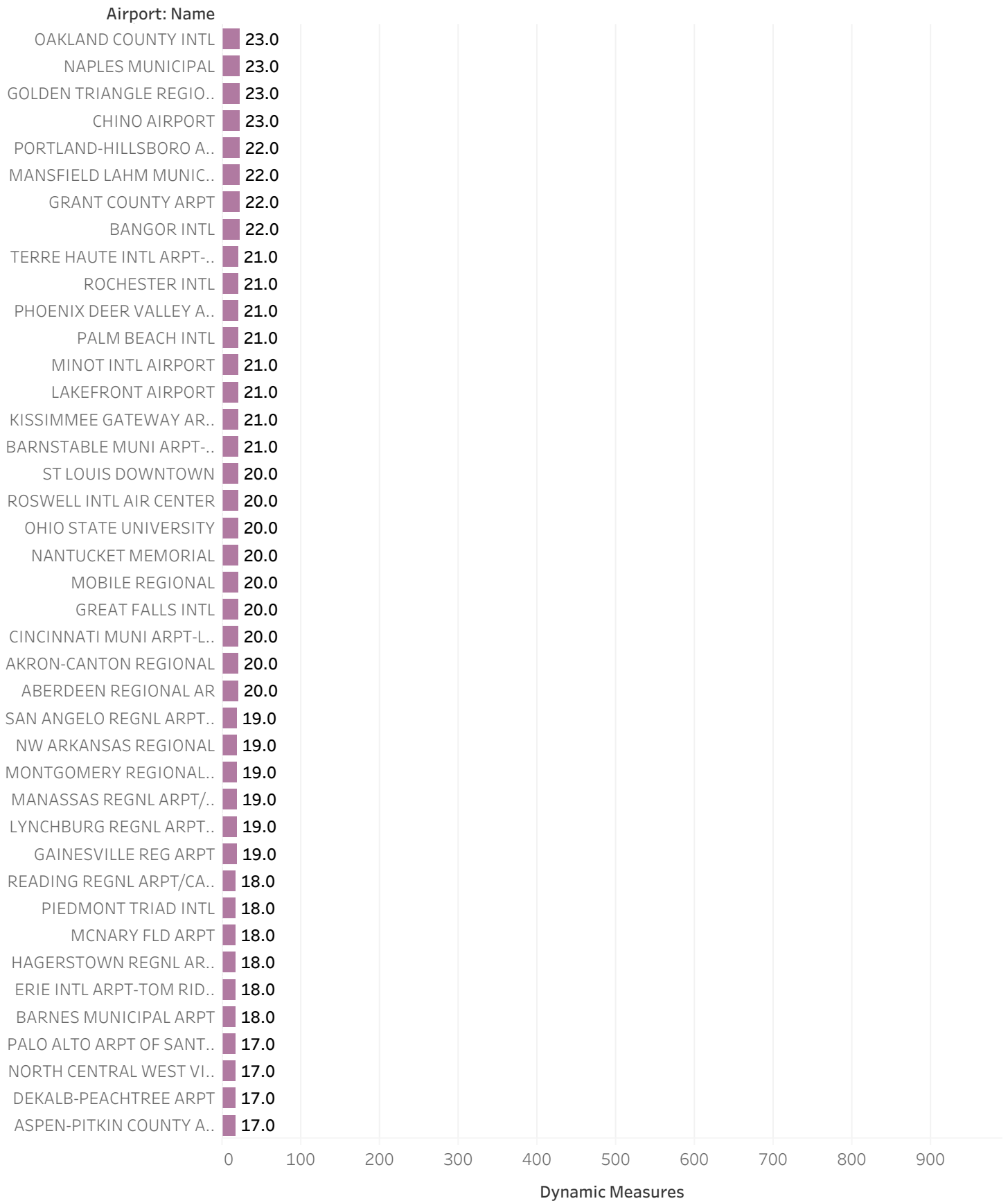
Sum of Dynamic Measures for each Airport: Name. The view is filtered on sum of Dynamic Measures, which keeps non-Null values only.

Number of Strikes Across Airlines



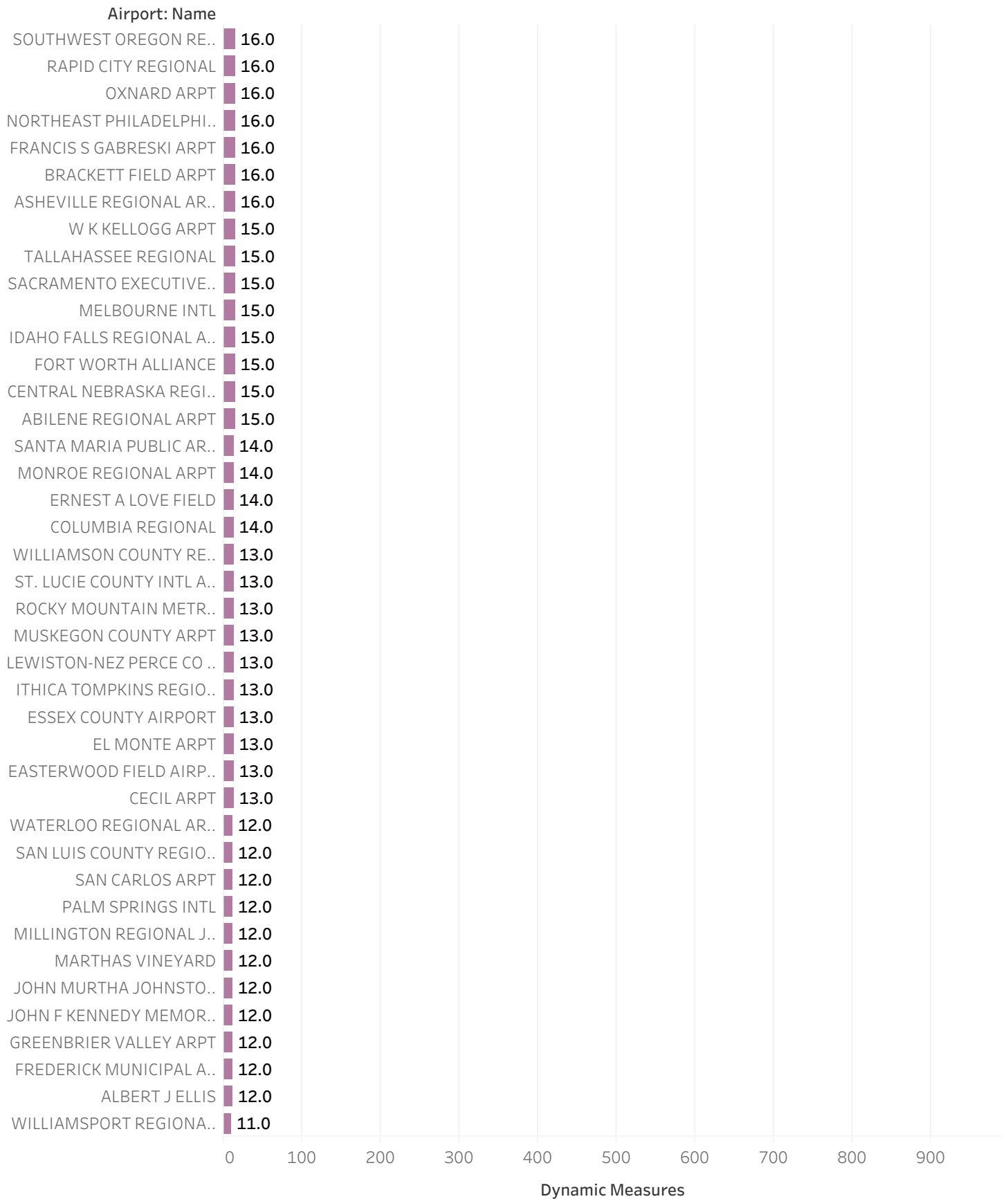
Sum of Dynamic Measures for each Airport: Name. The view is filtered on sum of Dynamic Measures, which keeps non-Null values only.

Number of Strikes Across Airlines



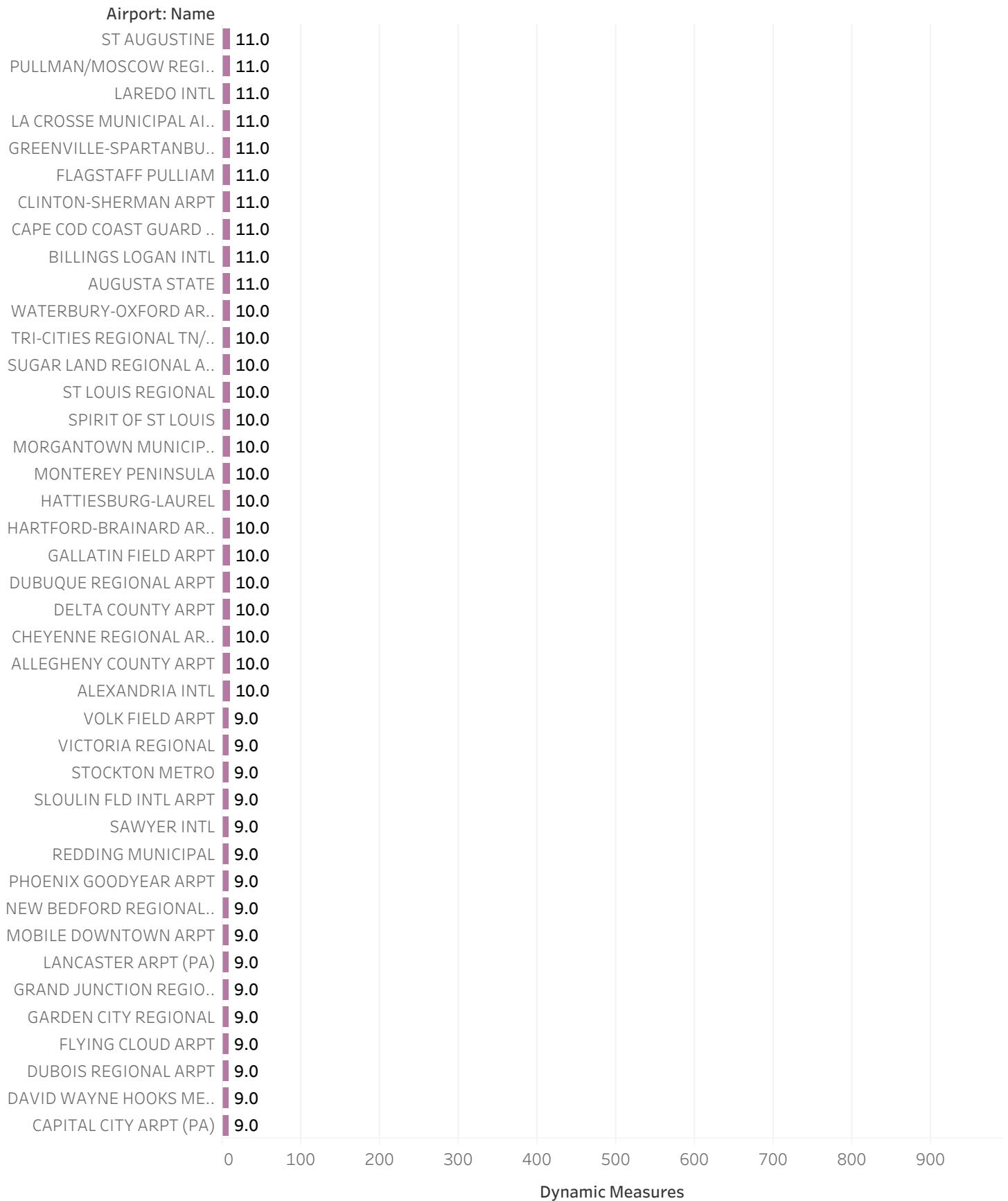
Sum of Dynamic Measures for each Airport: Name. The view is filtered on sum of Dynamic Measures, which keeps non-Null values only.

Number of Strikes Across Airlines



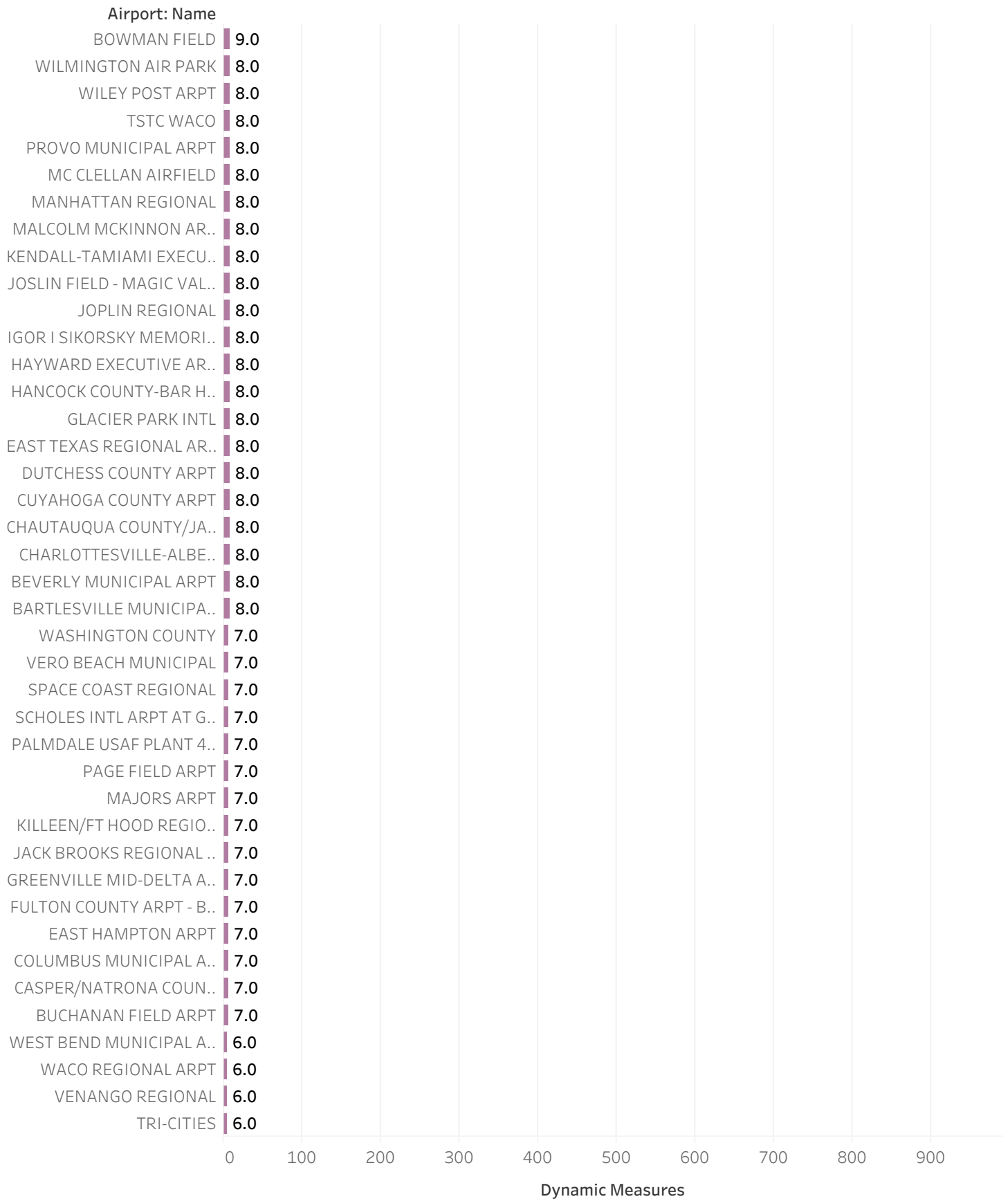
Sum of Dynamic Measures for each Airport: Name. The view is filtered on sum of Dynamic Measures, which keeps non-Null values only.

Number of Strikes Across Airlines



Sum of Dynamic Measures for each Airport: Name. The view is filtered on sum of Dynamic Measures, which keeps non-Null values only.

Number of Strikes Across Airlines



Sum of Dynamic Measures for each Airport: Name. The view is filtered on sum of Dynamic Measures, which keeps non-Null values only.

Number of Strikes Across Airlines



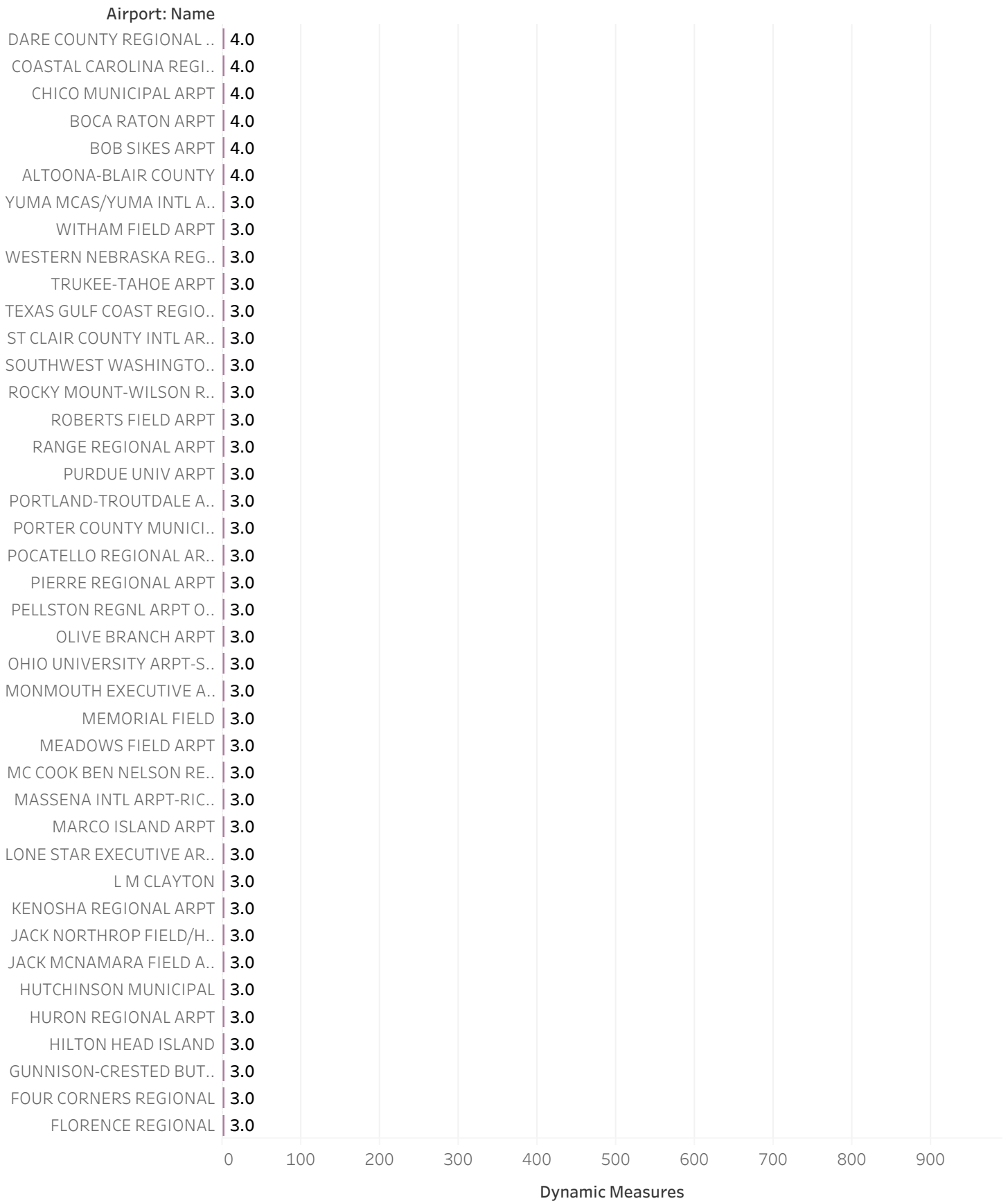
Sum of Dynamic Measures for each Airport: Name. The view is filtered on sum of Dynamic Measures, which keeps non-Null values only.

Number of Strikes Across Airlines



Sum of Dynamic Measures for each Airport: Name. The view is filtered on sum of Dynamic Measures, which keeps non-Null values only.

Number of Strikes Across Airlines



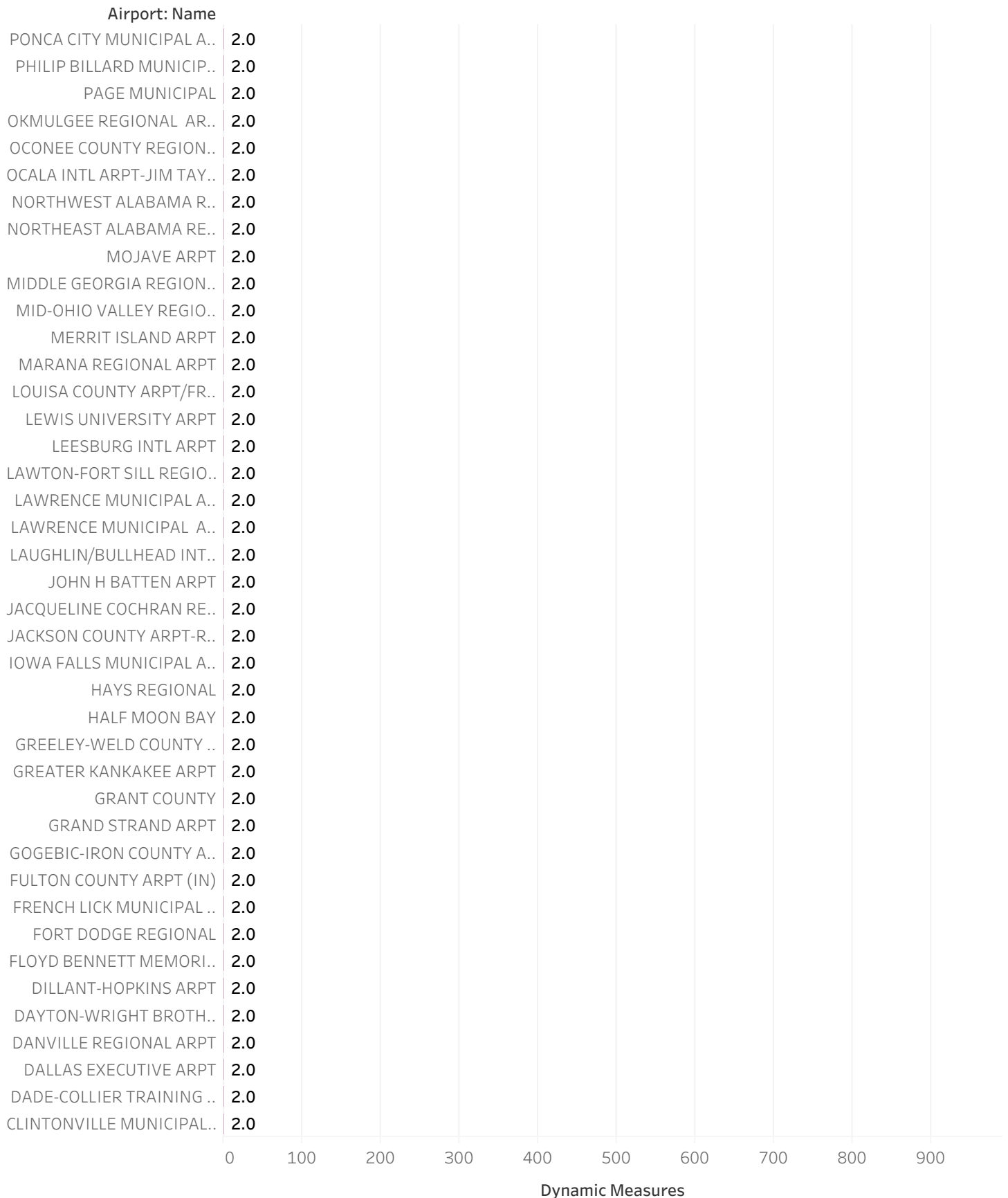
Sum of Dynamic Measures for each Airport: Name. The view is filtered on sum of Dynamic Measures, which keeps non-Null values only.

Number of Strikes Across Airlines



Sum of Dynamic Measures for each Airport: Name. The view is filtered on sum of Dynamic Measures, which keeps non-Null values only.

Number of Strikes Across Airlines



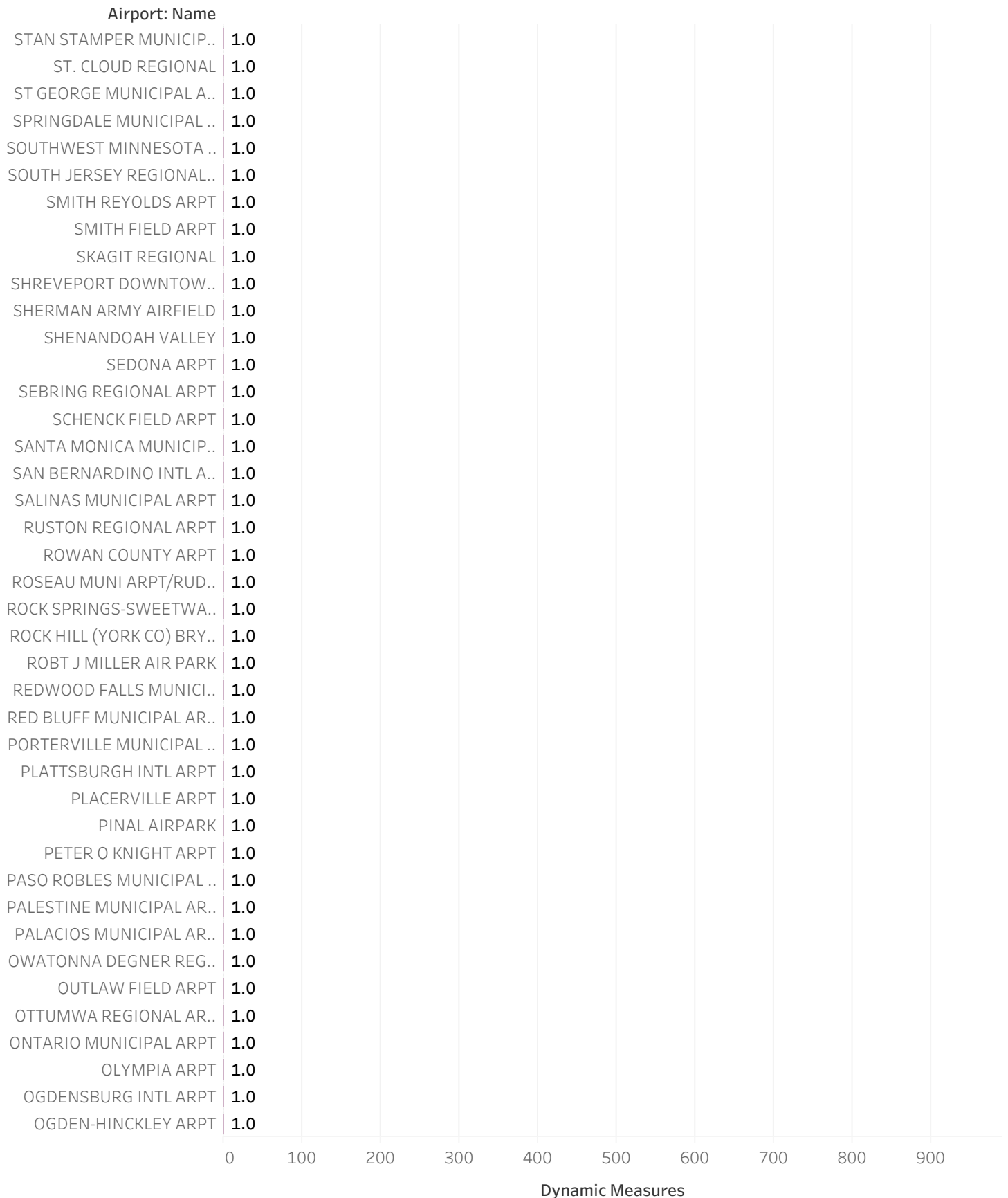
Sum of Dynamic Measures for each Airport: Name. The view is filtered on sum of Dynamic Measures, which keeps non-Null values only.

Number of Strikes Across Airlines



Sum of Dynamic Measures for each Airport: Name. The view is filtered on sum of Dynamic Measures, which keeps non-Null values only.

Number of Strikes Across Airlines



Sum of Dynamic Measures for each Airport: Name. The view is filtered on sum of Dynamic Measures, which keeps non-Null values only.

Number of Strikes Across Airlines



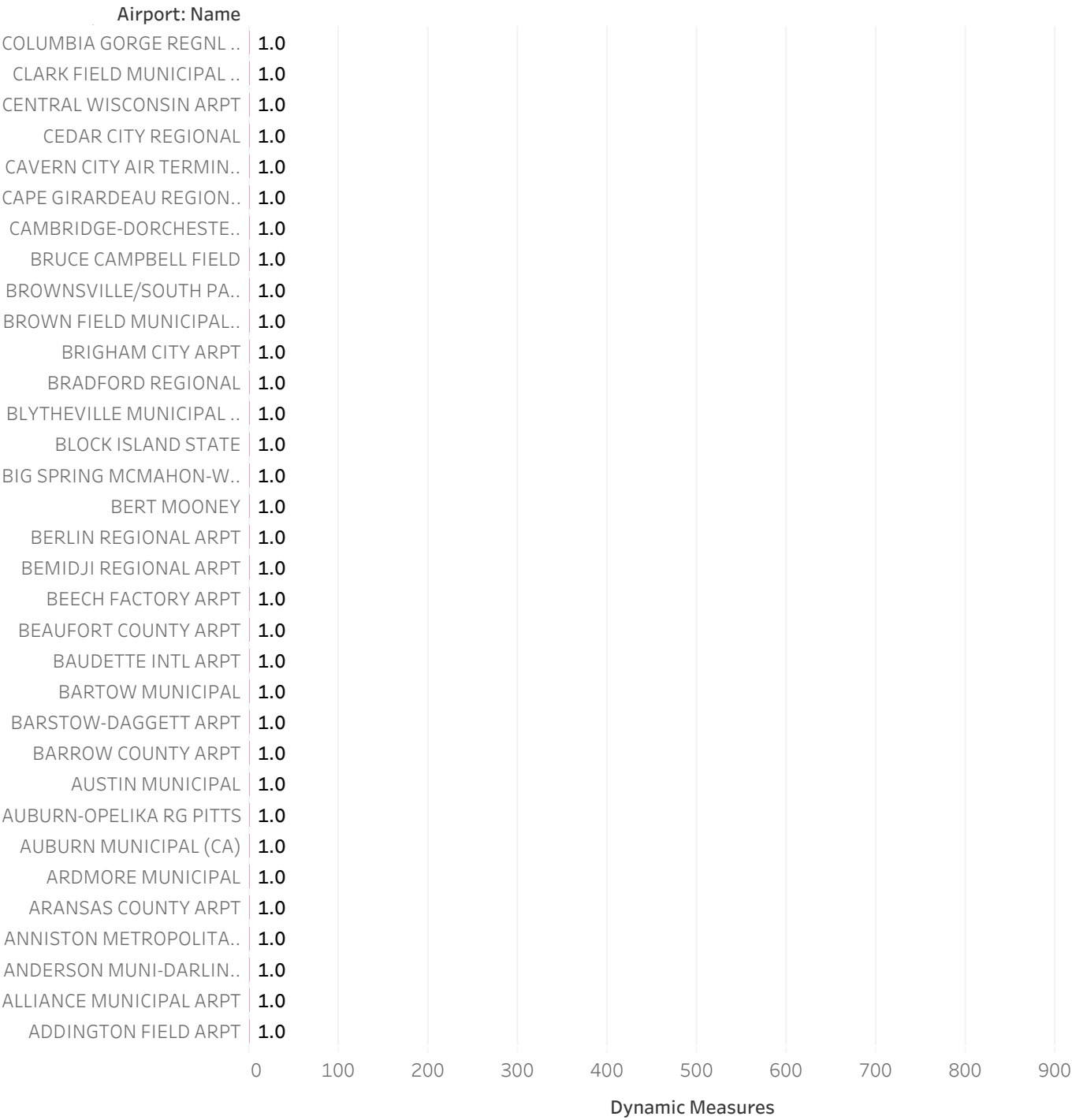
Sum of Dynamic Measures for each Airport: Name. The view is filtered on sum of Dynamic Measures, which keeps non-Null values only.

Number of Strikes Across Airlines



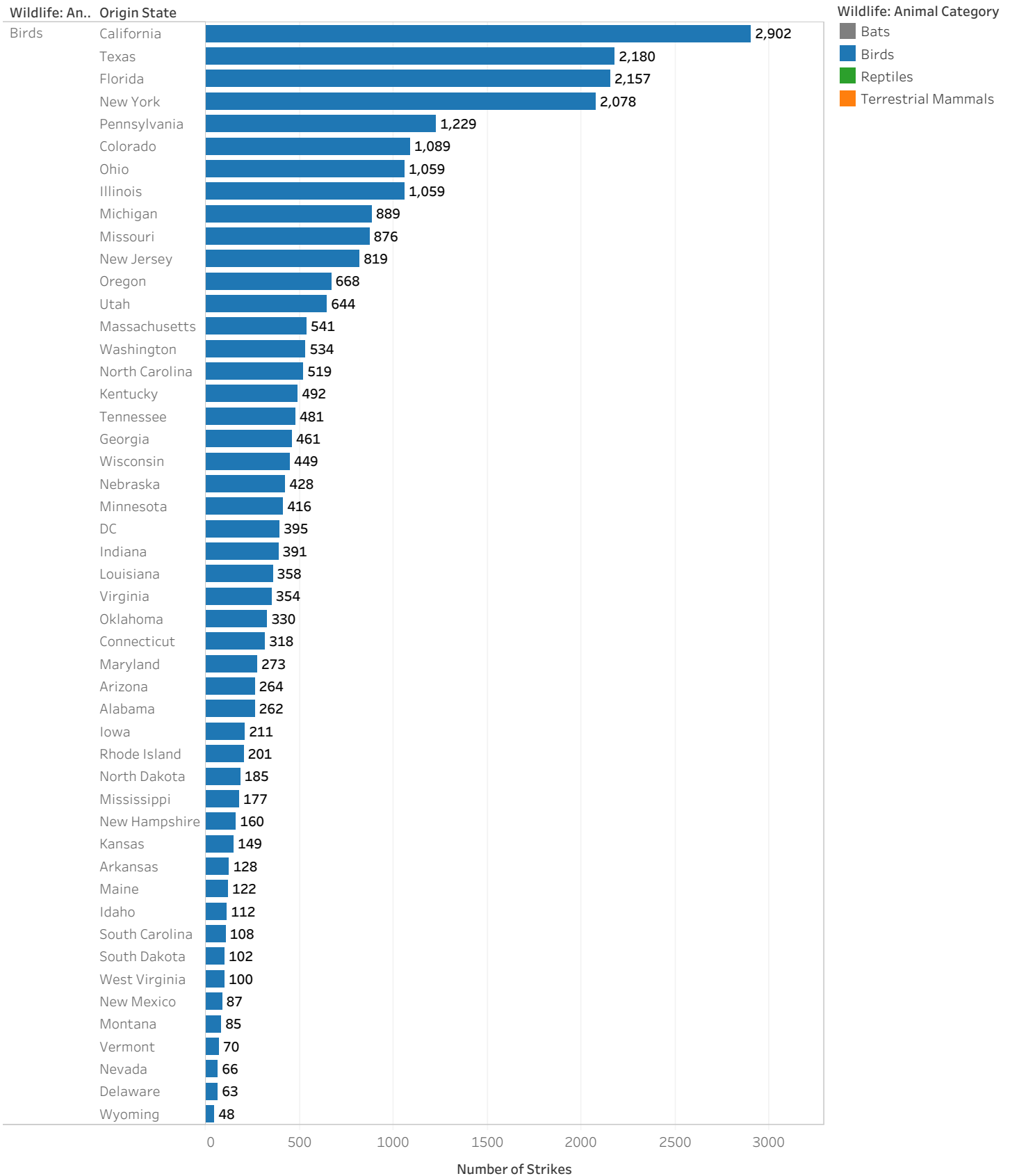
Sum of Dynamic Measures for each Airport: Name. The view is filtered on sum of Dynamic Measures, which keeps non-Null values only.

Number of Strikes Across Airlines



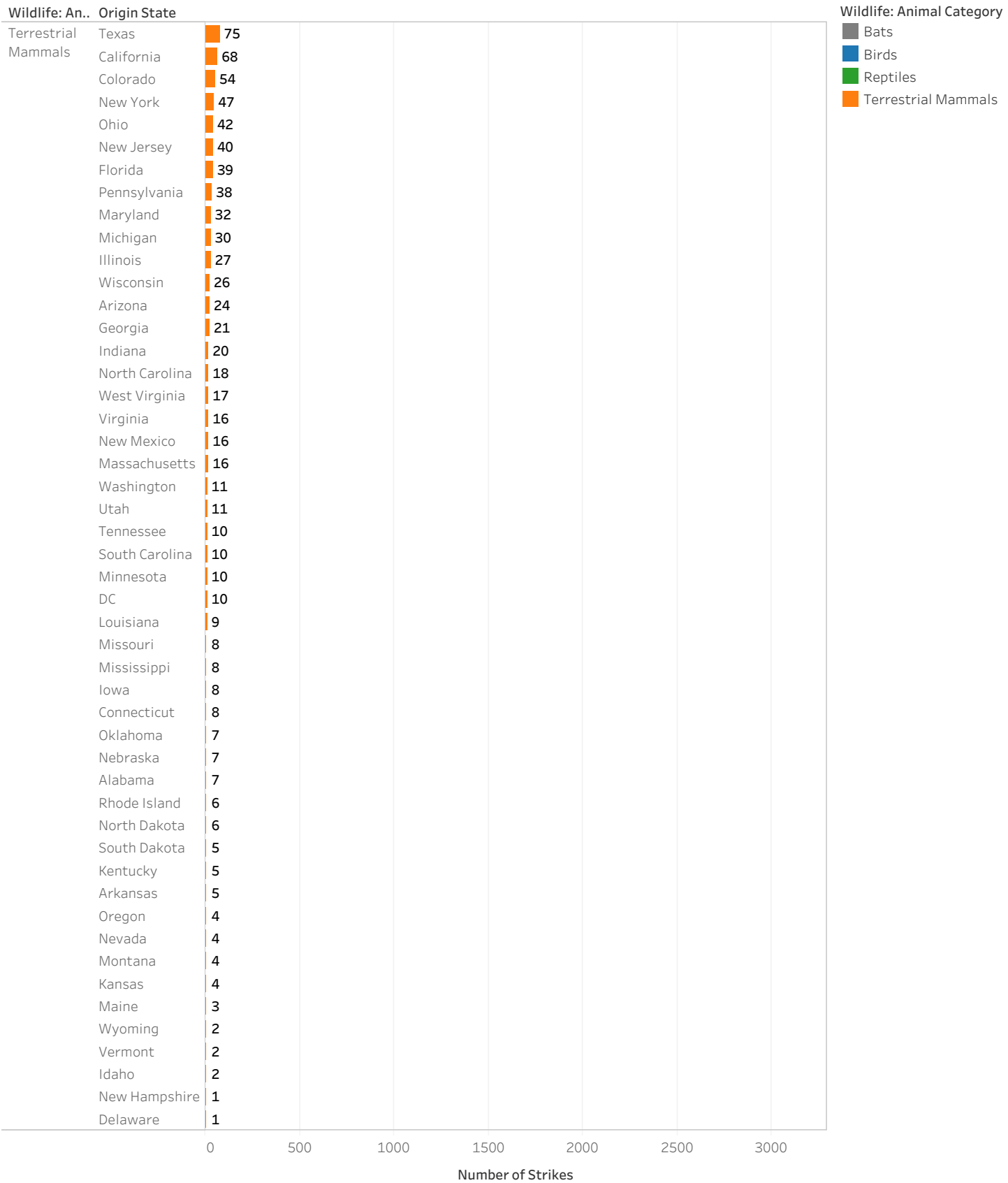
Sum of Dynamic Measures for each Airport: Name. The view is filtered on sum of Dynamic Measures, which keeps non-Null values only.

Frequency across States



Sum of Number of Strikes for each Origin State broken down by Wildlife: Animal Category. Color shows details about Wildlife: Animal Category. The marks are labeled by sum of Number of Strikes. The data is filtered on Action (Country, Origin State) and Action (Wildlife: Animal Category). The Action (Country, Origin State) filter keeps 49 members. The Action (Wildlife: Animal Category) filter keeps 4 members. The view is filtered on Origin State, which keeps 49 of 49 members.

Frequency across States



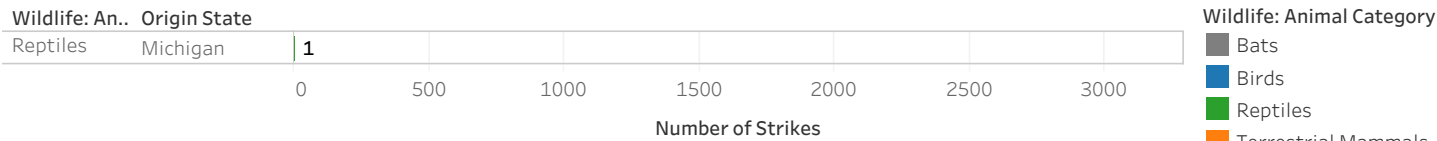
Sum of Number of Strikes for each Origin State broken down by Wildlife: Animal Category. Color shows details about Wildlife: Animal Category. The marks are labeled by sum of Number of Strikes. The data is filtered on Action (Country,Origin State) and Action (Wildlife: Animal Category). The Action (Country,Origin State) filter keeps 49 members. The Action (Wildlife: Animal Category) filter keeps 4 members. The view is filtered on Origin State, which keeps 49 of 49 members.

Frequency across States



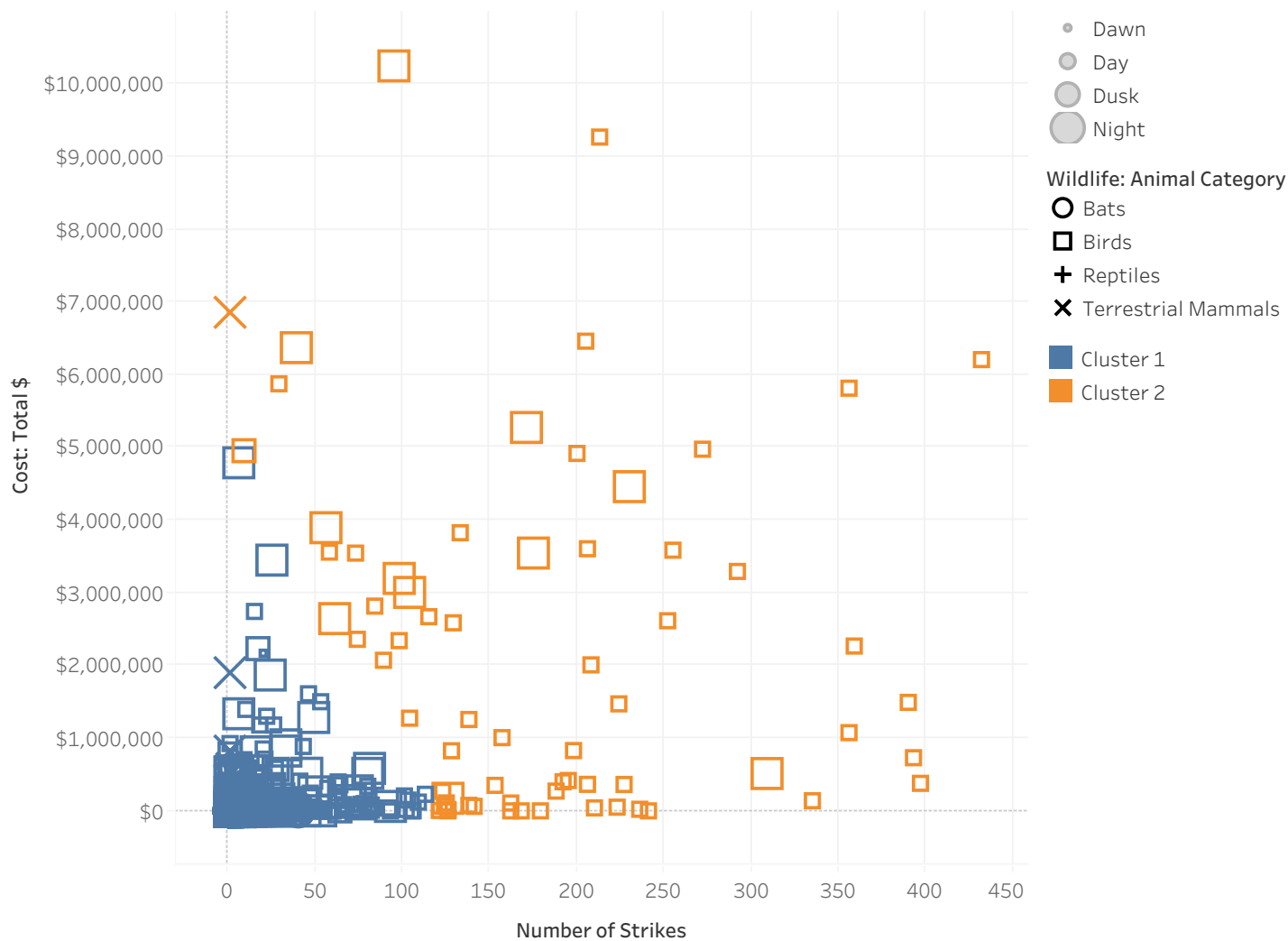
Sum of Number of Strikes for each Origin State broken down by Wildlife: Animal Category. Color shows details about Wildlife: Animal Category. The marks are labeled by sum of Number of Strikes. The data is filtered on Action (Country,Origin State) and Action (Wildlife: Animal Category). The Action (Country,Origin State) filter keeps 49 members. The Action (Wildlife: Animal Category) filter keeps 4 members. The view is filtered on Origin State, which keeps 49 of 49 members.

Frequency across States



Sum of Number of Strikes for each Origin State broken down by Wildlife: Animal Category. Color shows details about Wildlife: Animal Category. The marks are labeled by sum of Number of Strikes. The data is filtered on Action (Country,Origin State) and Action (Wildlife: Animal Category). The Action (Country,Origin State) filter keeps 49 members. The Action (Wildlife: Animal Category) filter keeps 4 members. The view is filtered on Origin State, which keeps 49 of 49 members.

Scatter Plot



Sum of Number of Strikes vs. sum of Cost: Total \$. Color shows details about Clusters (3). Size shows details about Time of Day. Shape shows details about Wildlife: Animal Category. Details are shown for Airport: Code. The view is filtered on Exclusions (Airport: Code,Wildlife: Animal Category) and Exclusions (Airport: Code,Time of Day,Wildlife: Animal Category). The Exclusions (Airport: Code,Wildlife: Animal Category) filter keeps 1,175 members. The Exclusions (Airport: Code,Time of Day,Wildlife: Animal Category) filter keeps 2,177 members.