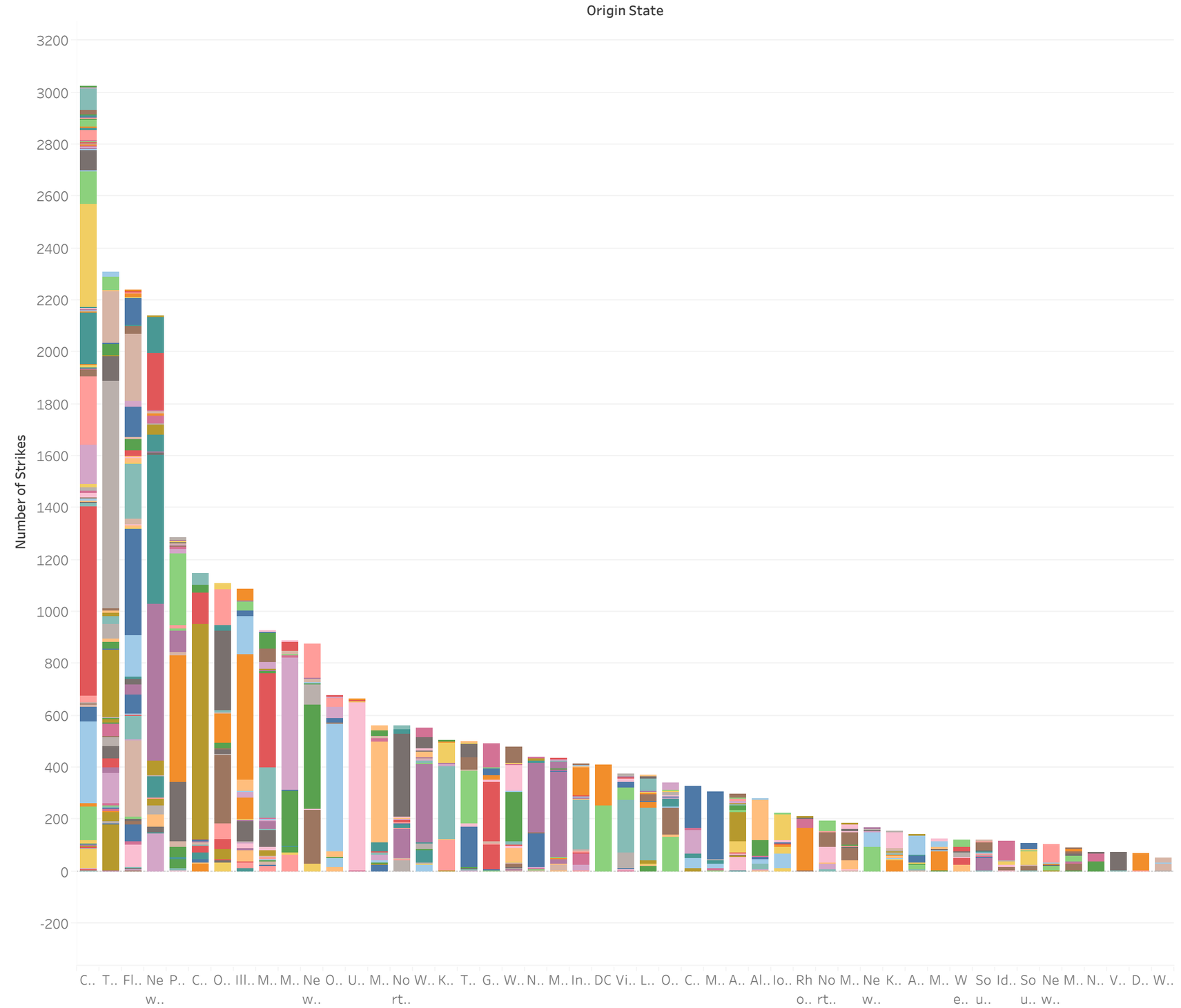
Descending Number of Strikes Graph

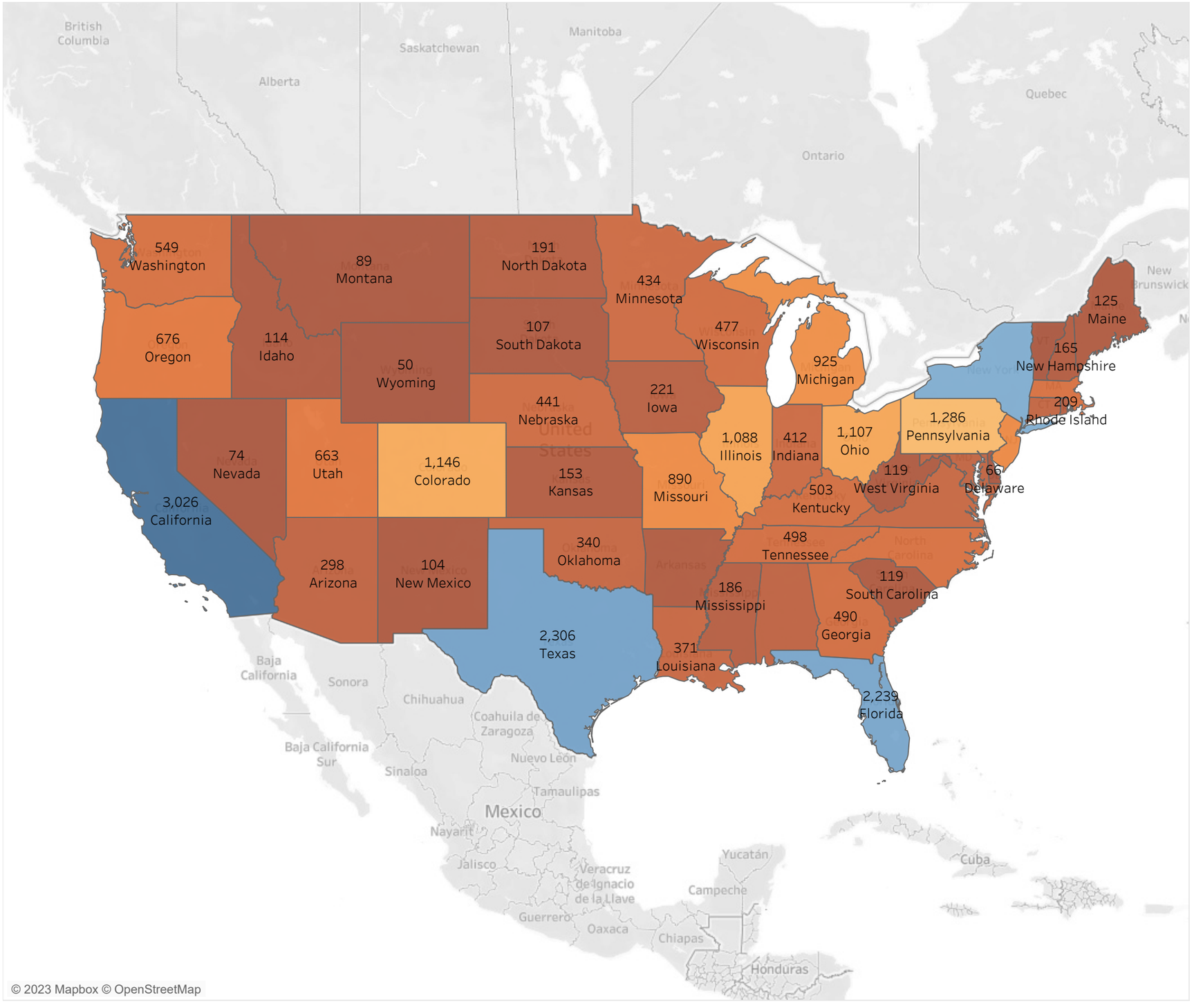


Airport: Name

- ABERDEEN REGIONAL AR
- ABILENE REGIONAL ARPT
- ABRAHAM LINCOLN CAPITAL ARPT
- ACADIANA REGIONAL ARPT
- ADDINGTON FIELD ARPT
- ADDISON
- ADIRONDAK REGIONAL ARPT
- AKRON-CANTON REGIONAL
- ALBANY INTL
- ALBERT J ELLIS
- ALBERT LEA MUNICIPAL ARPT
- ALBUQUERQUE INTL SUNPORT
- ALEXANDRIA INTL
- ALLEGHENY COUNTY ARPT
- ALLIANCE MUNICIPAL ARPT
- ALPENA COUNTY REG
- ALTOONA-BLAIR COUNTY
- ALTUS/QUARTZ MOUNTAIN RGNL ARPT
- ANDERSON MUNI-DARLINGTON FLD
- ANDERSON REGIONAL
- ANN ARBOR MUNICIPAL
- ANNISTON METROPOLITAN ARPT
- APALACHICOLA REGIONAL ARPT
- ARANSAS COUNTY ARPT
- ARCATA AIRPORT
- ARDMORE MUNICIPAL
- ARKANSAS INTERNATIONAL ARPT
- ARNOLD PALMER REGIONAL
- ASHEVILLE REGIONAL ARPT
- ASPEN-PITKIN COUNTY ARPT/SARDY FIELD
- ASTORIA REGIONAL
- ATLANTIC CITY INTL
- AUBURN MUNICIPAL (CA)
- AUBURN-OPELIKA RG PITTS
- AUGUSTA REGIONAL ARPT AT BUSH FLD
- AUGUSTA STATE
- AURORA MUNICIPAL ARPT
- AUSTIN MUNICIPAL
- AUSTIN STRAUBEL INTL
- AUSTIN-BERGSTROM INTL
- BALTIMORE/WASH INTL THURGOOD MARSHAL ARPT
- BANGOR INTL
- BARKLEY REGIONAL ARPT
- BARNES MUNICIPAL ARPT
- BARNSTABLE MUNI ARPT-BOARDMAN/POLANDO FLD
- BARROW COUNTY ARPT
- BARSTOW-DAGGETT ARPT
- BARTLESVILLE MUNICIPAL ARPT

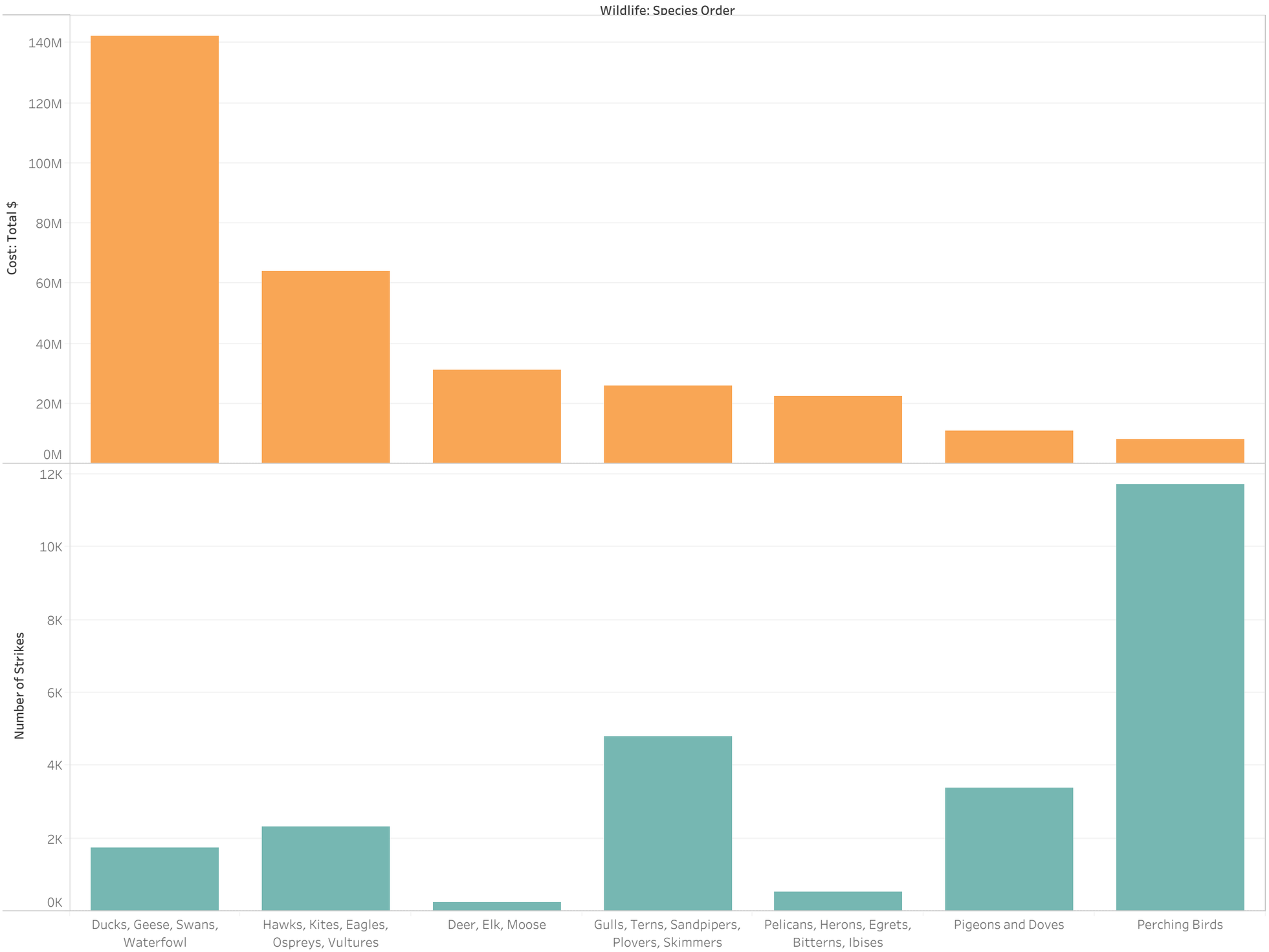
Sum of Number of Strikes for each Origin State. Color shows details about Airport: Name. The data is filtered on In / Out of When: Time of day Set, which excludes Null. The view is filtered on sum of Number of Strikes, which includes everything.

Number of Strikes by State



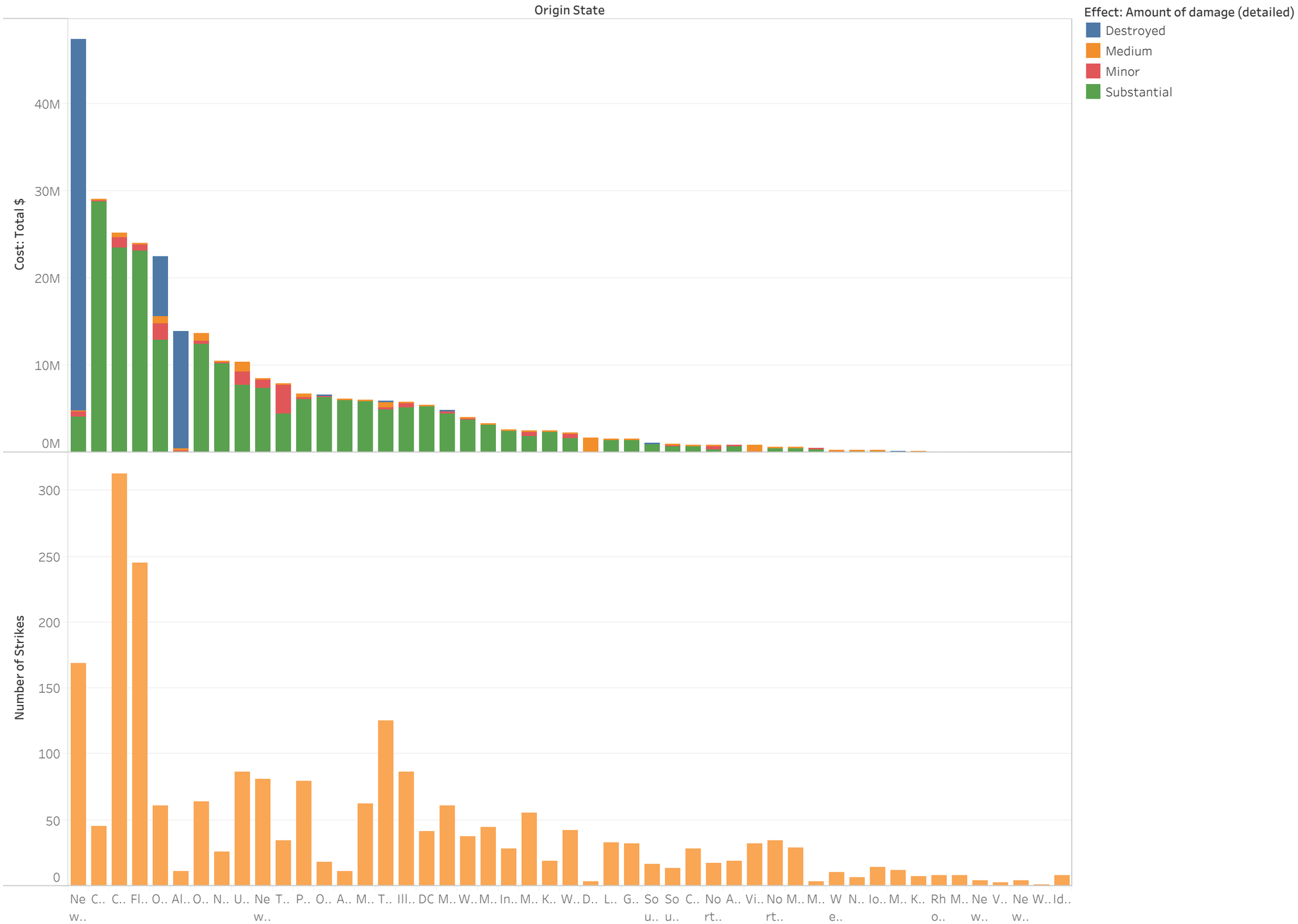
Map based on Longitude (generated) and Latitude (generated). Color shows sum of Number of Strikes. The marks are labeled by sum of Number of Strikes and Origin State. Details are shown for various dimensions. The data is filtered on Effect: Amount of damage (detailed), Wildlife: Species Group, Collision Date and Time Month, In / Out of Wildlife: Species Group Set and In / Out of When: Time of day Set. The Effect: Amount of damage (detailed) filter keeps Destroyed, Medium, Minor, None and Substantial. The Wildlife: Species Group filter keeps multiple members. The Collision Date and Time Month filter ranges from January 2000 to May 2015. The In / Out of Wildlife: Species Group Set filter keeps Out and In. The In / Out of When: Time of day Set filter excludes Null. The view is filtered on Origin State, which keeps 49 of 49 members.

Strikes and Costs with Species



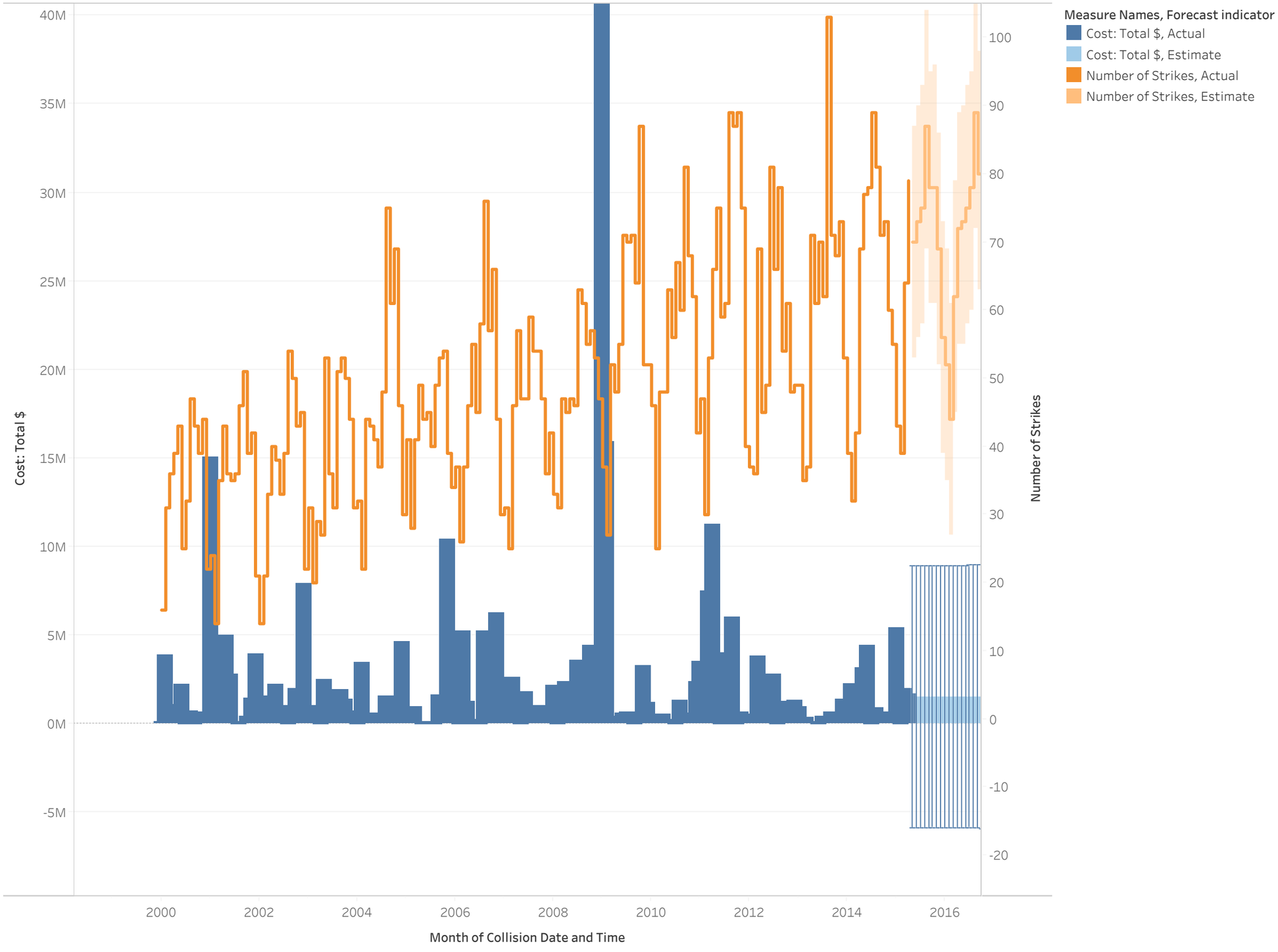
Sum of Cost: Total $ and sum of Number of Strikes for each Wildlife: Species Order. The data is filtered on In / Out of When: Time of day Set, which excludes Null. The view is filtered on sum of Number of Strikes and sum of Cost: Total $. The sum of Number of Strikes filter ranges from 225 to 11,697. The sum of Cost: Total $ filter ranges from 5,000,000 to 142,131,222.

Number of Strikes and Cost by State



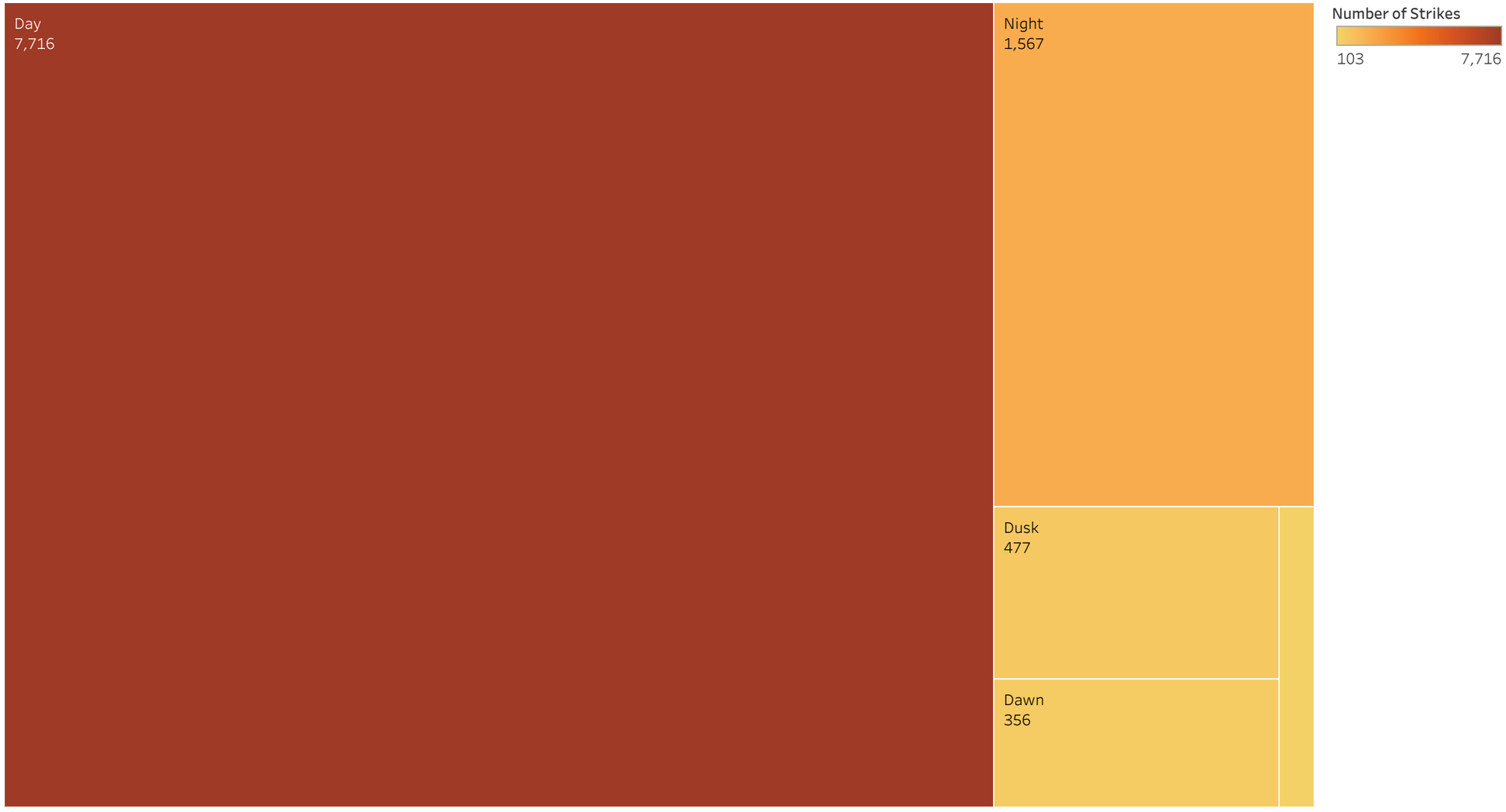
Sum of Cost: Total $ and sum of Number of Strikes for each Origin State. For pane Sum of Cost: Total $: Color shows details about Effect: Amount of damage (detailed). The data is filtered on When: Time of day Set, Wildlife: Species Group Set, Effect: Indicated Damage, Effect: Impact to flight Set and In / Out of When: Time of day Set. The When: Time of day Set filter keeps 4 members. The Wildlife: Species Group Set filter keeps 10 members. The Effect: Indicated Damage filter keeps Caused damage. The Effect: Impact to flight Set filter keeps 5 members. The In / Out of When: Time of day Set filter excludes Null. The view is filtered on Origin State, which keeps 49 of 49 members.

Collision cost vs fleet above ground forecast



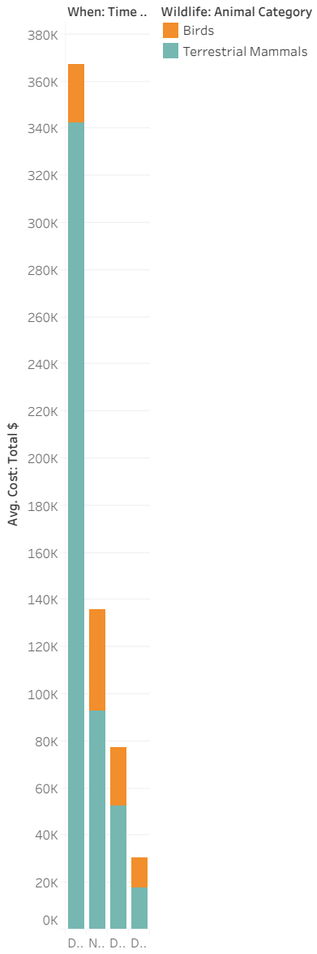
The trends of Cost: Total $ and Number of Strikes for Collision Date and Time Month. Color shows details about Cost: Total $, Number of Strikes and Forecast indicator. The data is filtered on Origin State, When: Time of day Set, Wildlife: Species Group Set, Effect: Amount of damage (detailed), Feet above ground and In / Out of When: Time of day Set. The Origin State filter keeps 49 of 49 members. The When: Time of day Set filter keeps 4 members. The Wildlife: Species Group Set filter keeps 10 members. The Effect: Amount of damage (detailed) filter keeps Destroyed, Medium, Minor, None and Substantial. The Feet above ground filter ranges from 0 to 14000. The In / Out of When: Time of day Set filter excludes Null. The view is filtered on Collision Date and Time Month, which ranges from January 2000 to May 2015.

Number of Strikes vs Time of Day



When: Time of day and sum of Number of Strikes. Color shows sum of Number of Strikes. Size shows sum of Number of Strikes. The marks are labeled by When: Time of day and sum of Number of Strikes. The data is filtered on Origin State, Wildlife: Species Group Set, Effect: Amount of damage (detailed), Collision Date and Time Month and In / Out of When: Time of day Set. The Origin State filter keeps 49 of 49 members. The Wildlife: Species Group Set filter keeps 10 members. The Effect: Amount of damage (detailed) filter keeps Destroyed, Medium, Minor, None and Substantial. The Collision Date and Time Month filter keeps multiple members. The In / Out of When: Time of day Set filter excludes Null. The view is filtered on When: Time of day, which keeps multiple members.

Time of Day vs Avg Cost by Strike vs animals

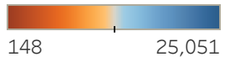


Avg. Cost: Total $ for each When: Time of day. Color shows details about Wildlife: Animal Category. Details are shown for Avg. Cost: Total $. The data is filtered on In / Out of When: Time of day Set, Wildlife: Species Group Set, Origin State, Effect: Amount of damage (detailed) and Collision Date and Time Month. The In / Out of When: Time of day Set filter excludes Null. The Wildlife: Species Group Set filter keeps 10 members. The Origin State filter keeps 49 of 49 members. The Effect: Amount of damage (detailed) filter keeps Destroyed, Medium, Minor, None and Substantial. The Collision Date and Time Month filter keeps multiple members. The view is filtered on When: Time of day, which excludes Null.

Strikes Impact on Flights

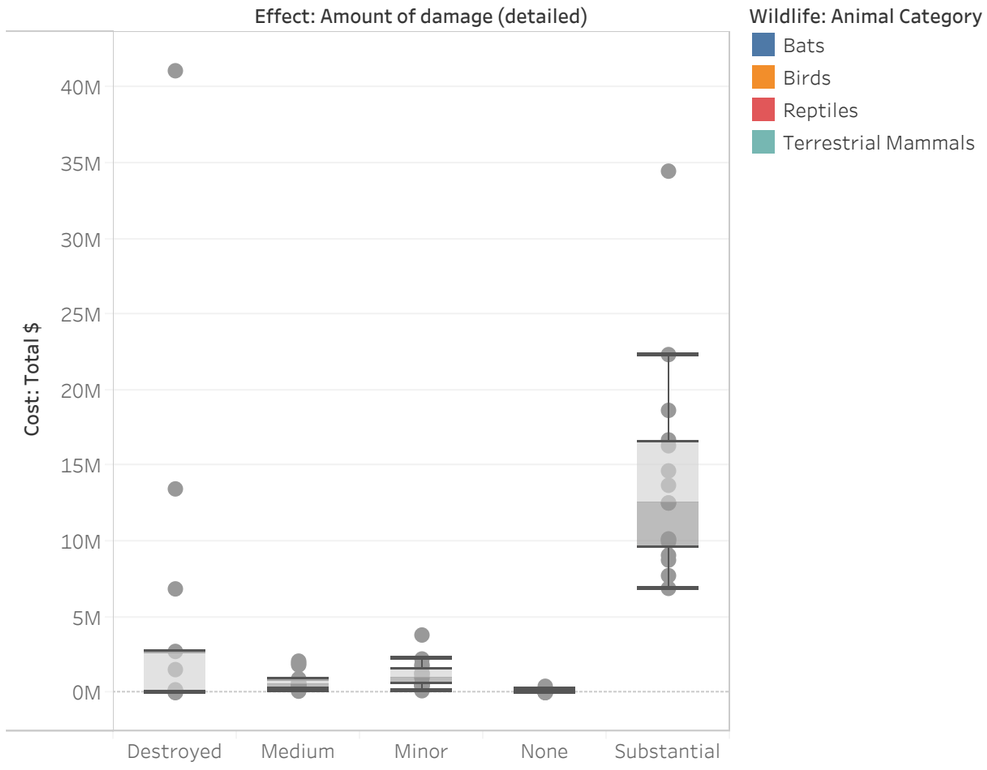
Effect: Impact to flight	
None	25,051
Precautionary Landing	1,457
Other	628
Aborted Take-off	800
Engine Shut Down	148

Number of Strikes



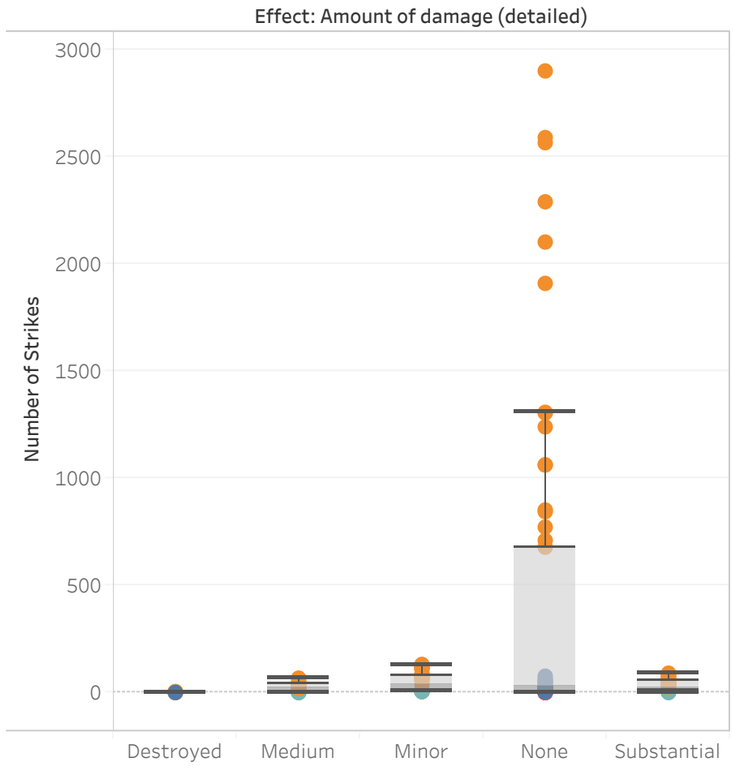
Sum of Number of Strikes broken down by Effect: Impact to flight. Color shows sum of Number of Strikes. The data is filtered on In / Out of When: Time of day Set, Origin State, Wildlife: Species Group, Effect: Amount of damage (detailed) and Effect: Impact to flight Set. The In / Out of When: Time of day Set filter excludes Null. The Origin State filter keeps 49 of 49 members. The Wildlife: Species Group filter keeps multiple members. The Effect: Amount of damage (detailed) filter keeps Destroyed, Medium, Minor, None and Substantial. The Effect: Impact to flight Set filter keeps 5 members.

Overall Analysis



Sum of Cost: Total $ and sum of Number of Strikes for each Effect: Amount of damage (detailed). Details are shown for Collision Date and Time Year. For pane Sum of Number of Strikes: Color shows details about Wildlife: Animal Category. The data is filtered on Origin State, In / Out of When: Time of day Set, Wildlife: Species Group and Collision Date and Time Month. The Origin State filter keeps 49 of 49 members. The In / Out of When: Time of day Set filter excludes Null. The Wildlife: Species Group filter keeps multiple members. The Collision Date and Time Month filter keeps multiple members.

Overall Analysis



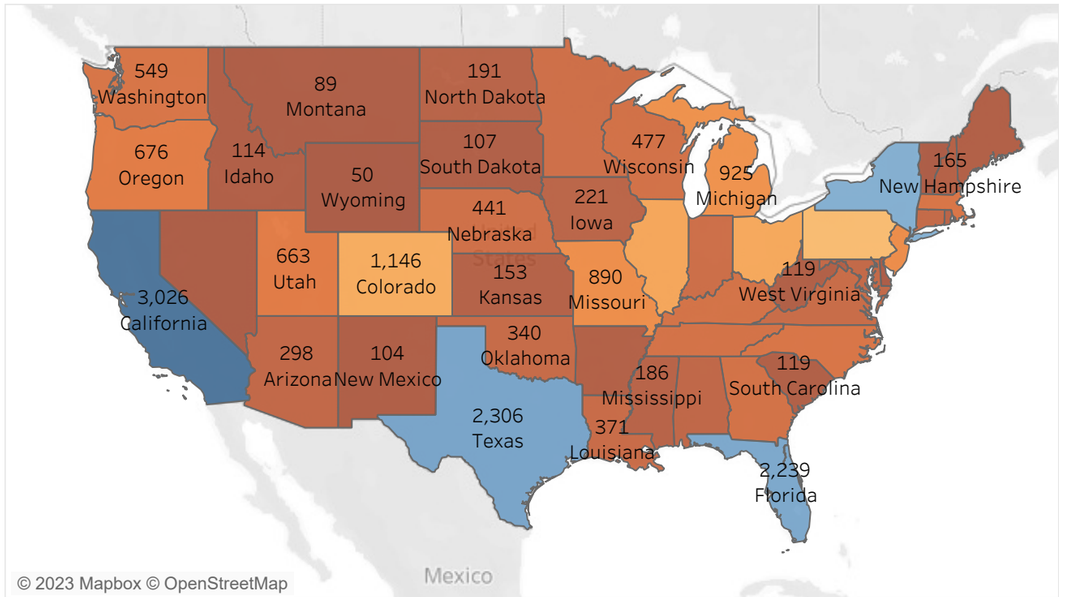
Wildlife: Animal Category
- Bats
- Birds
- Reptiles
- Terrestrial Mammals

Sum of Cost: Total $ and sum of Number of Strikes for each Effect: Amount of damage (detailed). Details are shown for Collision Date and Time Year. For pane Sum of Number of Strikes: Color shows details about Wildlife: Animal Category. The data is filtered on Origin State, In / Out of When: Time of day Set, Wildlife: Species Group and Collision Date and Time Month. The Origin State filter keeps 49 of 49 members. The In / Out of When: Time of day Set filter excludes Null. The Wildlife: Species Group filter keeps multiple members. The Collision Date and Time Month filter keeps multiple members.

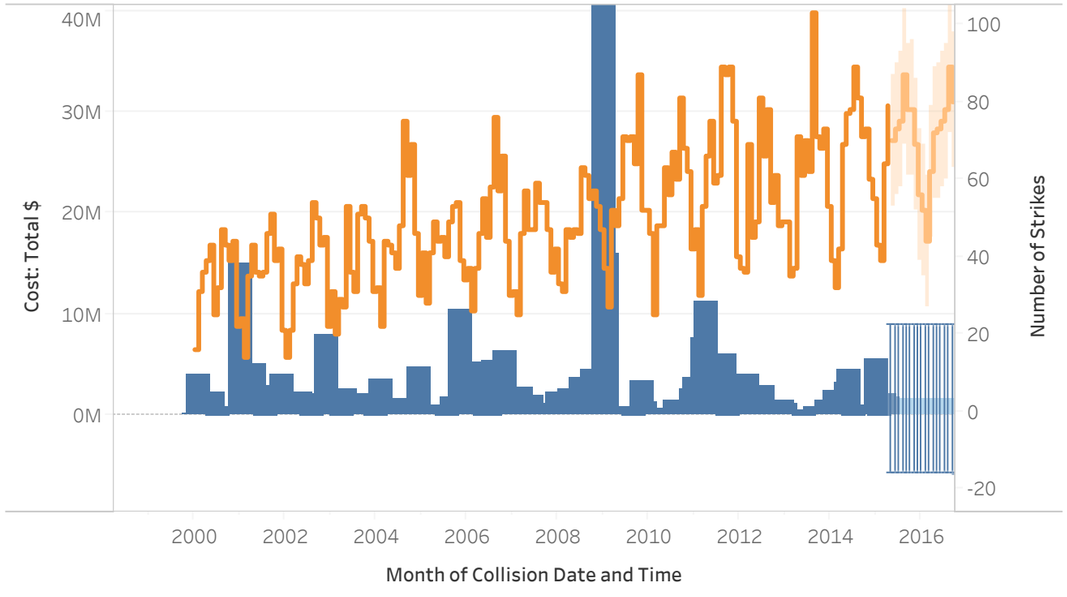
Number of Strikes
50 — 3,026

Number of Strikes
To Null

Number of Strikes by State

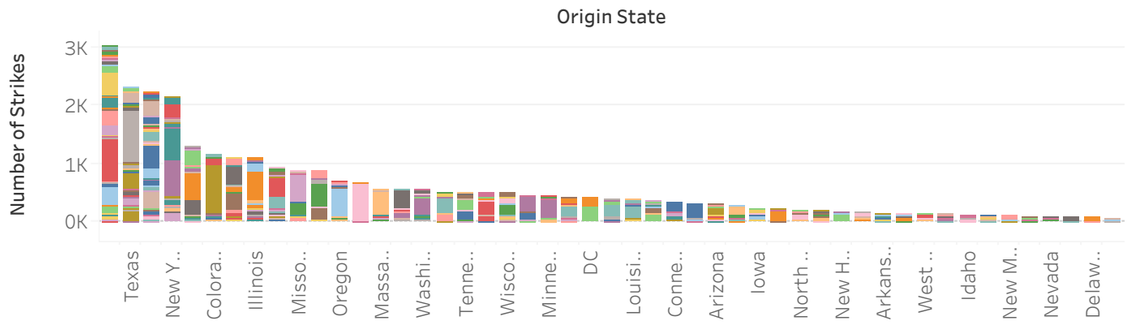


Collision cost vs fleet above ground forecast

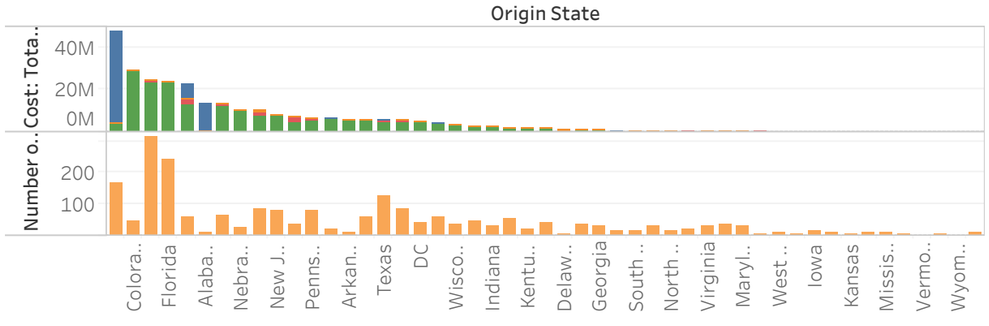


Airport: Name
- ABERDEEN REGIONA..
- ABILENE REGIONAL A..
- ABRAHAM LINCOLN C..
- ACADIANA REGIONAL..
- ADDINGTON FIELD A..
- ADDISON
- ADIRONDAK REGION..
- AKRON-CANTON REG..
- ALBANY INTL
- ALBERT J ELLIS
- ALBERT LEA MUNICIP..
- ALBUQUERQUE INTL ..
- ALEXANDRIA INTL
- ALLEGHENY COUNTY ..
- ALLIANCE MUNICIPAL..
- ALPENA COUNTY REG
- ALTOONA-BLAIR COU..
- ALTUS/QUARTZ MOU..
- ANDERSON MUNI-DA..
- ANDERSON REGIONAL
- ANN ARBOR MUNICIP..
- ANNISTON METROPO..
- APALACHICOLA REGI..
- ARANSAS COUNTY A..
- ARCATA AIRPORT
- ARDMORE MUNICIPAL
- ARKANSAS INTERNA..
- ARNOLD PALMER RE..
- ASHEVILLE REGIONA..
- ASPEN-PITKIN COUN..
- ASTORIA REGIONAL

Descending Number of Strikes Graph



Number of Strikes and Cost by State

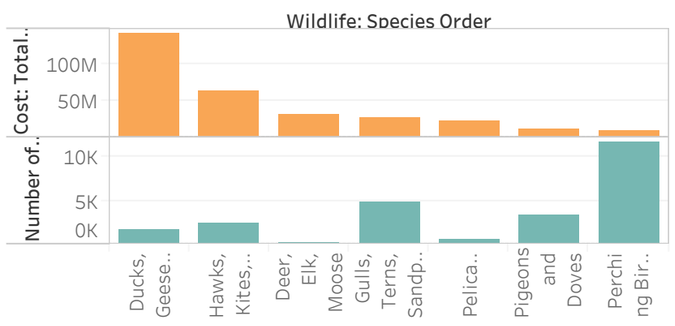


Effect: Amount of damag..
- Destroyed
- Medium
- Minor
- Substantial

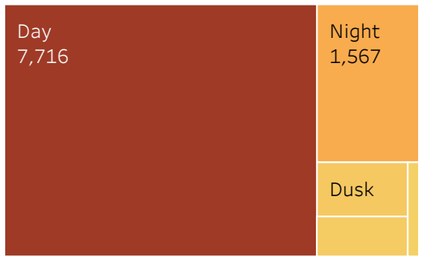
Measure Names, Forecas..
- Cost: Total $, Actual
- Cost: Total $, Estimate
- Number of Strikes, Ac..
- Number of Strikes, Es..

Wildlife: Animal Category
- Birds
- Terrestrial Mammals

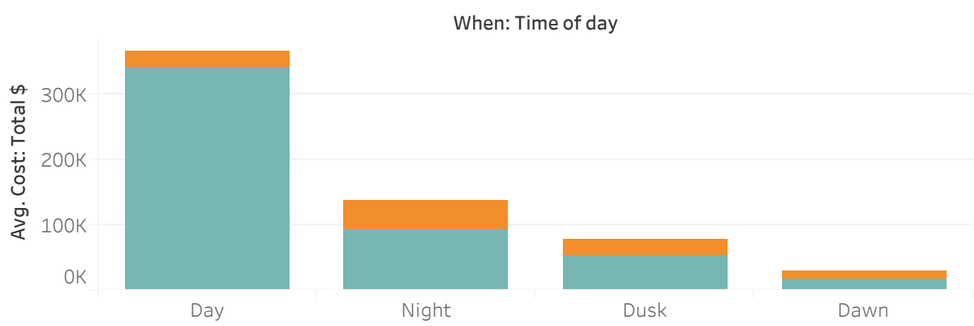
Strikes and Costs with Species



Number of Strikes vs Time of Day



Time of Day vs Avg Cost by Strike vs animals



Story 1

Heading	Number pf Strikes per State by descending airports	Number pf Strikes per State by descending airports Graph	Number of Strikes by State	Strikes and Cost with Species	Cost strikes by states	Forcasting by months date and time	Strikes by the time of day	Strikes by type of animals	Impacts on flights

Federal Aviation Administration Wildlife Strikes dataset for the year 2015

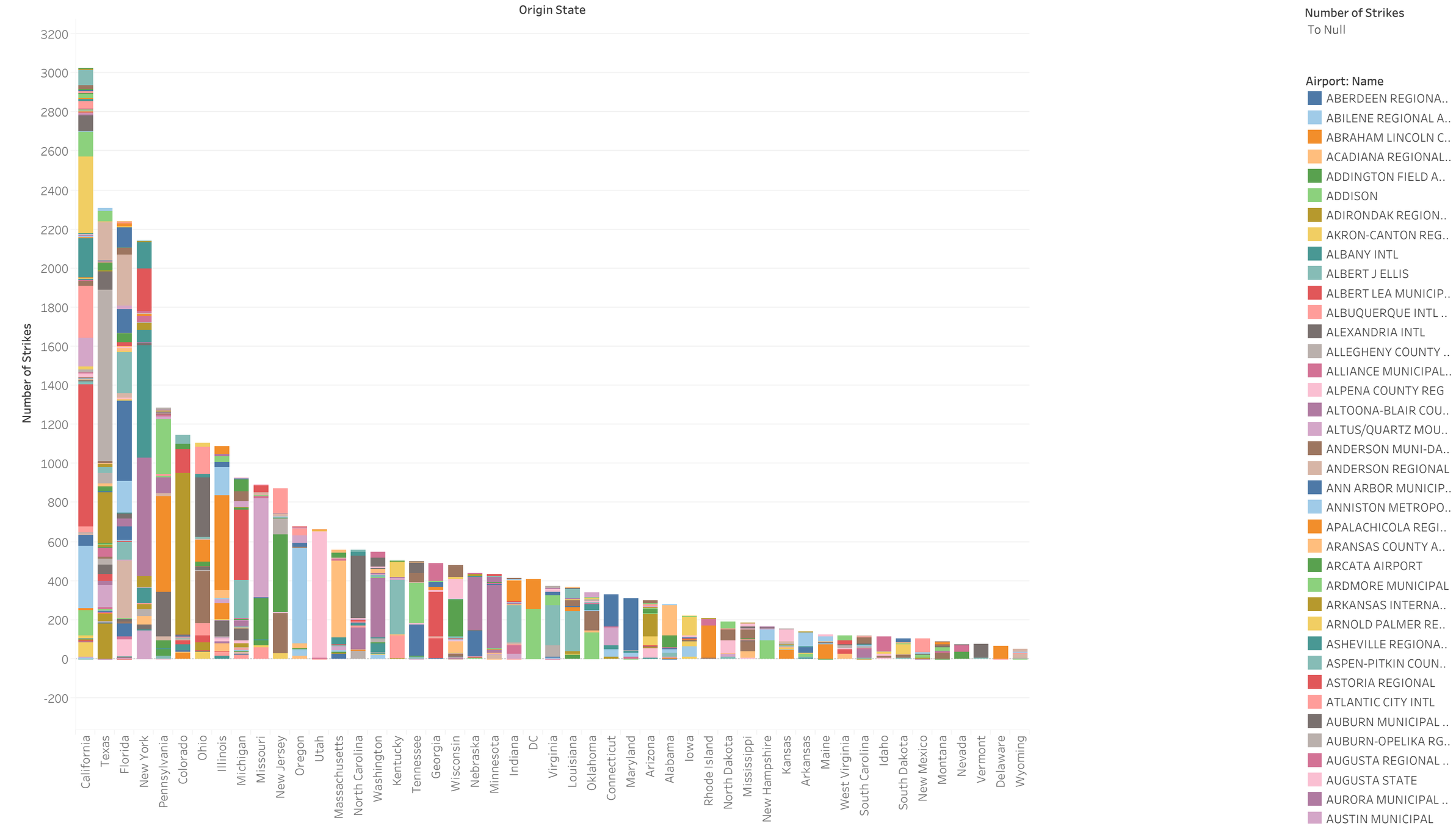
Story 1

Heading	Number pf Strikes per State by descending airports	Number pf Strikes per State by descending airports Graph	Number of Strikes by State	Strikes and Cost with Species	Cost strikes by states	Forcasting by months date and time	Strikes by the time of day	Strikes by type of animals	Impacts on flights

Origin State	Airport: Name	
Alabama	BIRMINGHAM-SHUTTLES..	159
	HUNTSVILLE INTL ARPT-C..	60
	MOBILE REGIONAL	20
	MONTGOMERY REGIONA..	19
	MOBILE DOWNTOWN ARPT	9
	NORTHEAST ALABAMA RE..	2
	NORTHWEST ALABAMA R..	2
	TROY MUNICIPAL ARPT	2
	ANNISTON METROPOLITA..	1
	AUBURN-OPELIKA RG PIT..	1
	JACK EDWARDS ARPT	1
	THOMAS RUSSELL FIELD	1
	TUSCALOOSA REGIONAL ..	1
	WEEDON FIELD ARPT	1
Arizona	PHOENIX SKY HARBOR IN..	113
	TUCSON INTL	53
	PHOENIX-MESA GATEWAY	44
	PHOENIX DEER VALLEY A..	21
	ERNEST A LOVE FIELD	14
	FLAGSTAFF PULLIAM	11
	PHOENIX GOODYEAR ARPT	9
	GRAND CANYON NATIONAL	5
	SCOTTSDALE ARPT	5
	SIERRA VISTA MUNI ARPT..	5
	FALCON FIELD ARPT	4
	YUMA MCAS/YUMA INTL ..	3
	LAUGHLIN/BULLHEAD INT..	2
	MARANA REGIONAL ARPT	2
	PAGE MUNICIPAL	2
	SHOW LOW REGIONAL AR..	2
	KINGMAN	1
	PINAL AIRPARK	1
	SEDONA ARPT	1
Arkansas	BILL AND HILLARY CLINT..	73
	FORT SMITH REGIONAL A..	32
	NW ARKANSAS REGIONAL	19
	TEXARKANA-WEBB FIELD	5
	MEMORIAL FIELD	3
	ARKANSAS INTERNATION..	2
	STUTTGART MUNICIPAL A..	2
	BLYTHEVILLE MUNICIPAL ..	1
	DRAKE FIELD ARPT	1

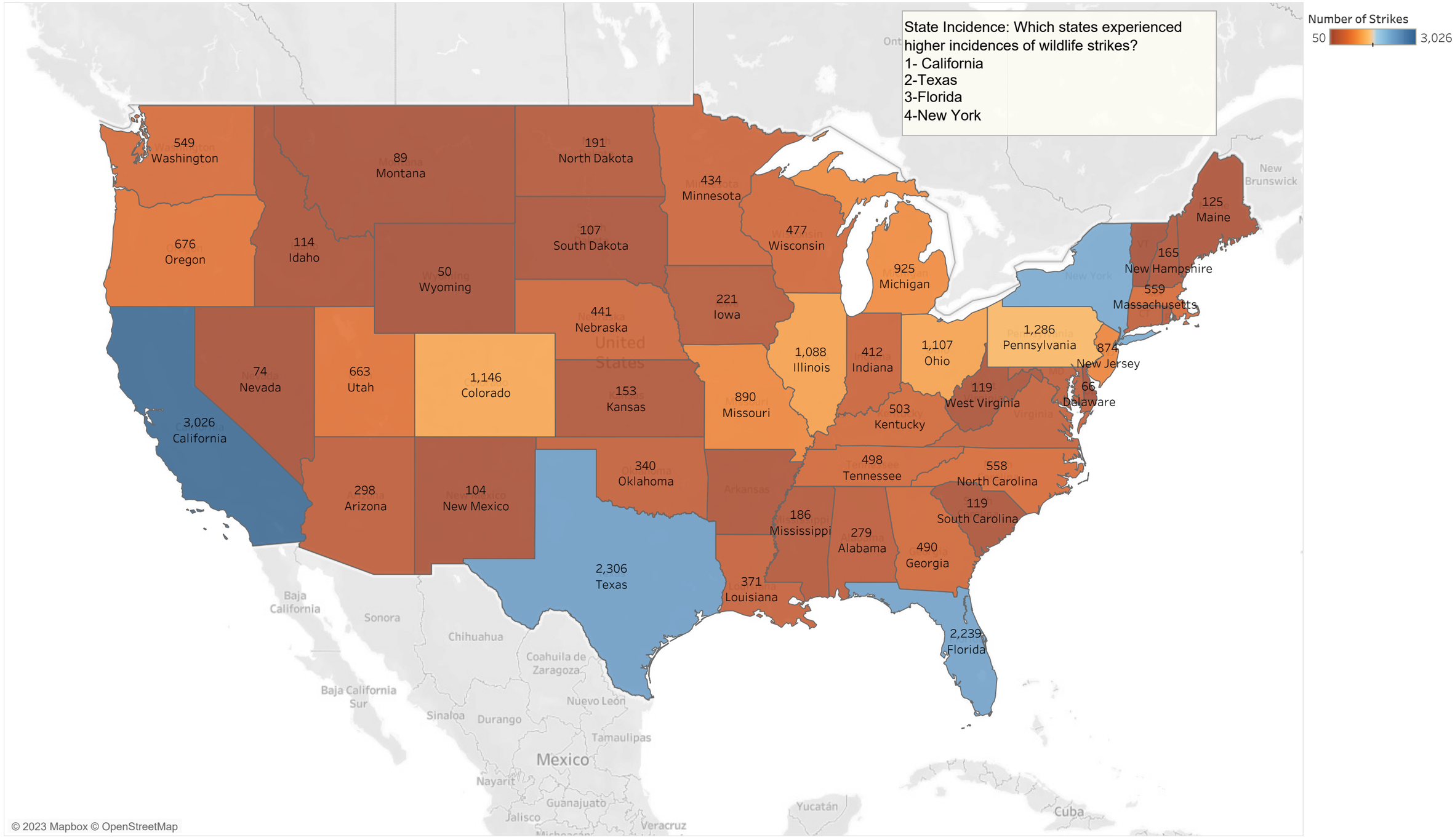
Story 1

Heading	Number pf Strikes per State by descending airports	Number pf Strikes per State by descending airports Graph	Number of Strikes by State	Strikes and Cost with Species	Cost strikes by states	Forcasting by months date and time	Strikes by the time of day	Strikes by type of animals	Impacts on flights



Story 1

Heading	Number pf Strikes per State by descending airports	Number pf Strikes per State by descending airports Graph	Number of Strikes by State	Strikes and Cost with Species	Cost strikes by states	Forcasting by months date and time	Strikes by the time of day	Strikes by type of animals	Impacts on flights



Story 1

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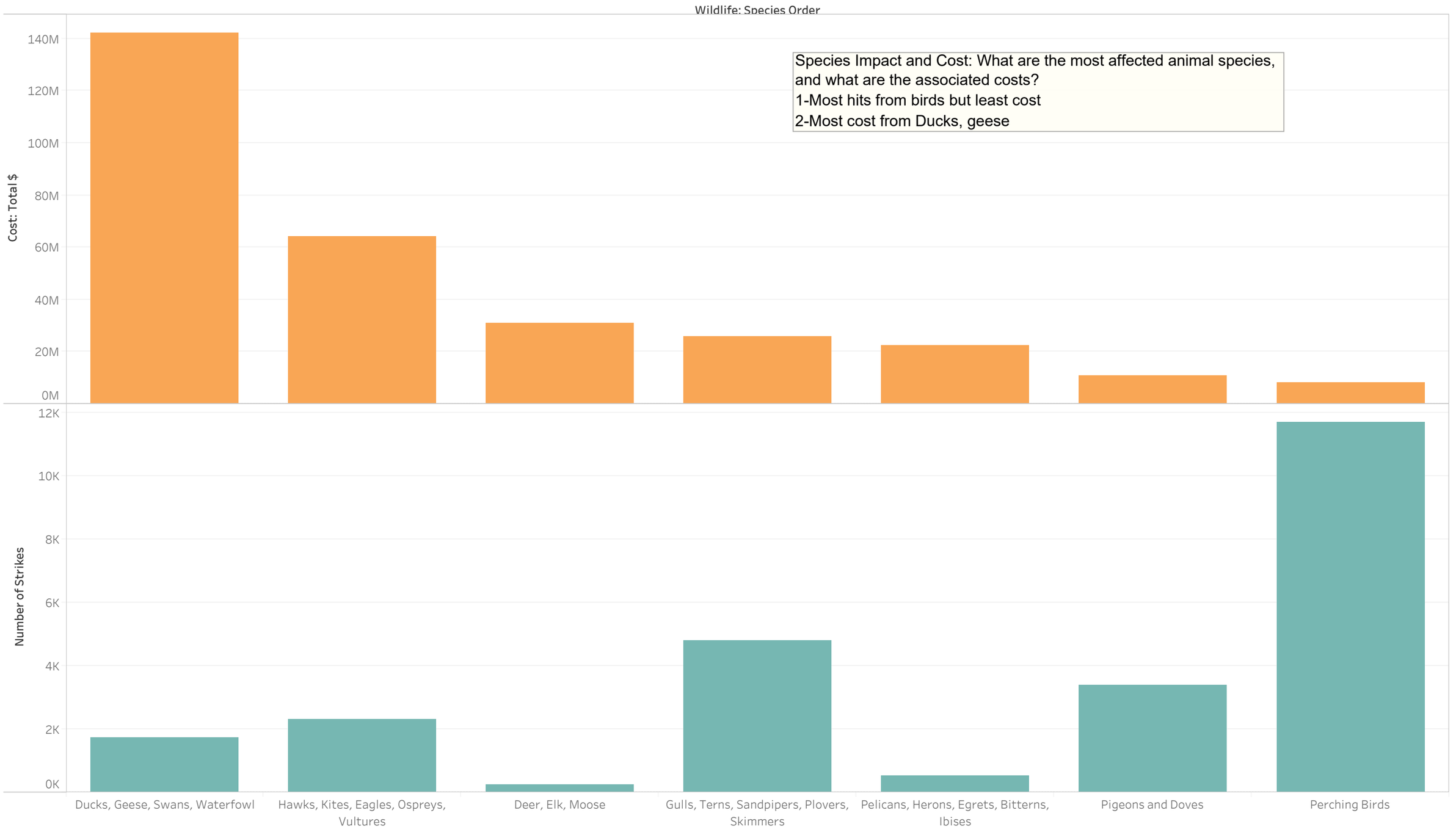
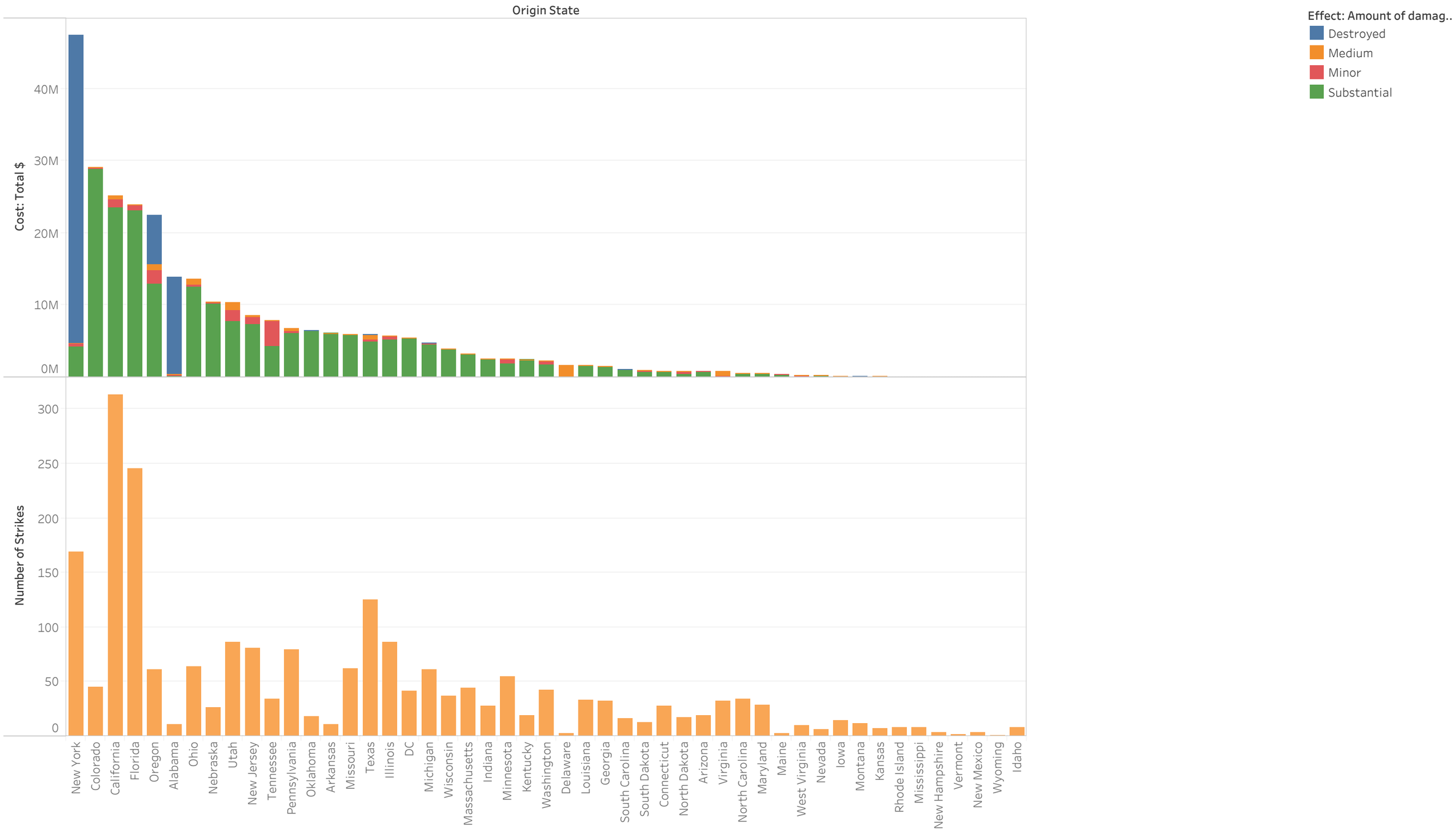


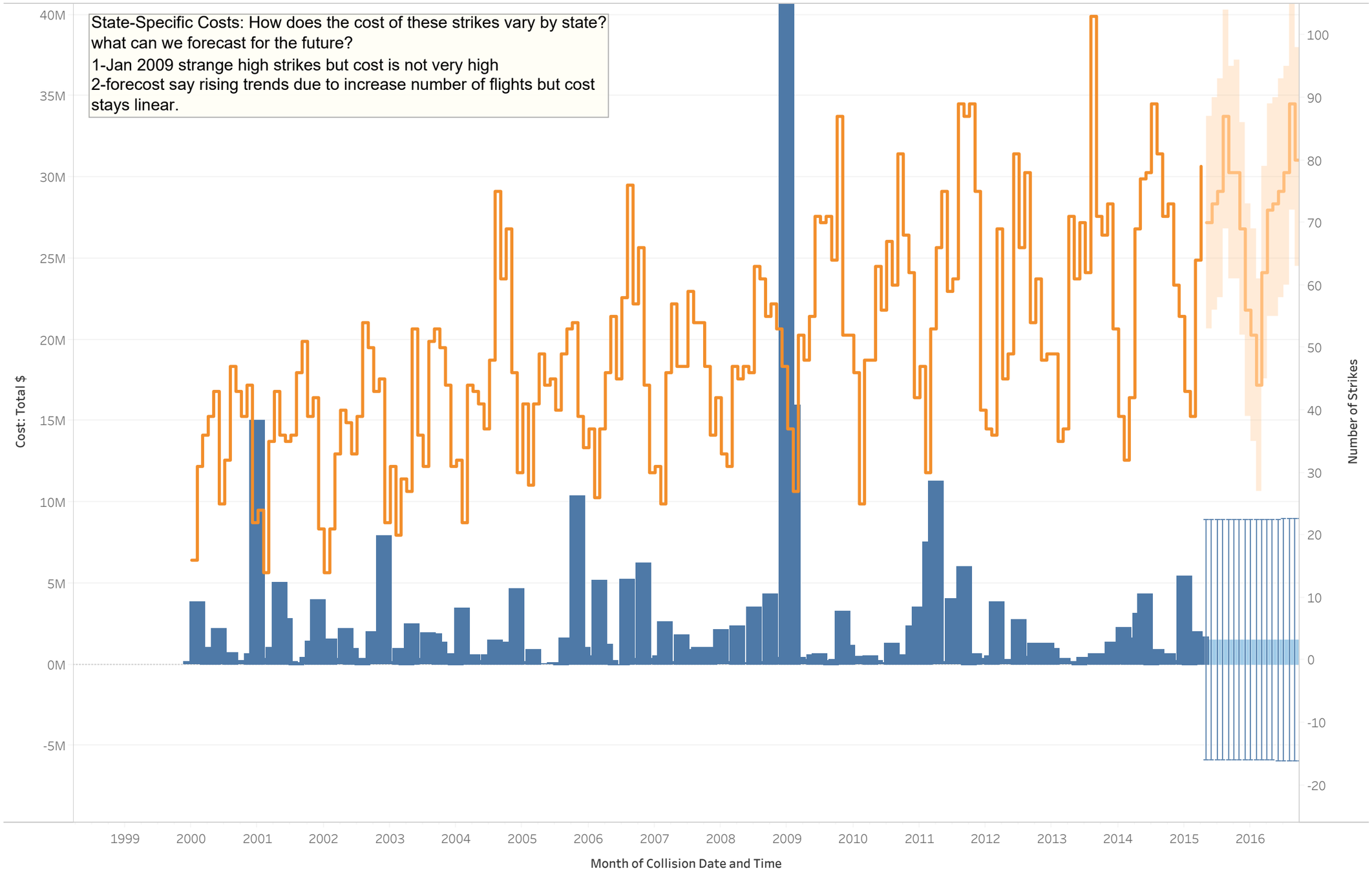
Story 1


Origin State
Effect: Amount of damag..
Destroyed
Medium
Minor
Substantial
Cost: Total $
40M
30M
20M
10M
0M
Number of Strikes
300
250
200
150
100
50
0
New York
Colorado
California
Florida
Oregon
Alabama
Ohio
Nebraska
Utah
New Jersey
Tennessee
Pennsylvania
Oklahoma
Arkansas
Missouri
Texas
Illinois
DC
Michigan
Wisconsin
Massachusetts
Indiana
Minnesota
Kentucky
Washington
Delaware
Louisiana
Georgia
South Carolina
South Dakota
Connecticut
North Dakota
Arizona
Virginia
North Carolina
Maryland
Maine
West Virginia
Nevada
Iowa
Montana
Kansas
Rhode Island
Mississippi
New Hampshire
Vermont
New Mexico
Wyoming
Idaho

Story 1

Number pf Strikes.. | Number pf Strikes per State by descending airports Graph | Number of Strikes by State | Strikes and Cost with Species | Cost strikes by states | **Forcasting by months date and time** | Strikes by the time of day | Strikes by type of animals | Impacts on flights | Overall analysis | Dashboard

State-Specific Costs: How does the cost of these strikes vary by state? what can we forecast for the future?
1-Jan 2009 strange high strikes but cost is not very high
2-forecost say rising trends due to increase number of flights but cost stays linear.



Story 1

Day
7,716
Incident Frequency by Time: How do wildlife strike incidents vary in frequency at different times of the day?
1- Day time the terrestrial mammals are at most strikes
2- Nighttime birds are increased a bit as compared to the day.
Night
1,567
Dusk
477
Dawn
356
Number of Strikes
103
7,716

Story 1

Number pf Strikes per State by descending airports Graph | Number of Strikes by State | Strikes and Cost with Species | Cost strikes by states | Forcasting by months date and time | Strikes by the time of day | **Strikes by type of animals** | Impacts on flights | Overall analysis | Dashboard

Story 1

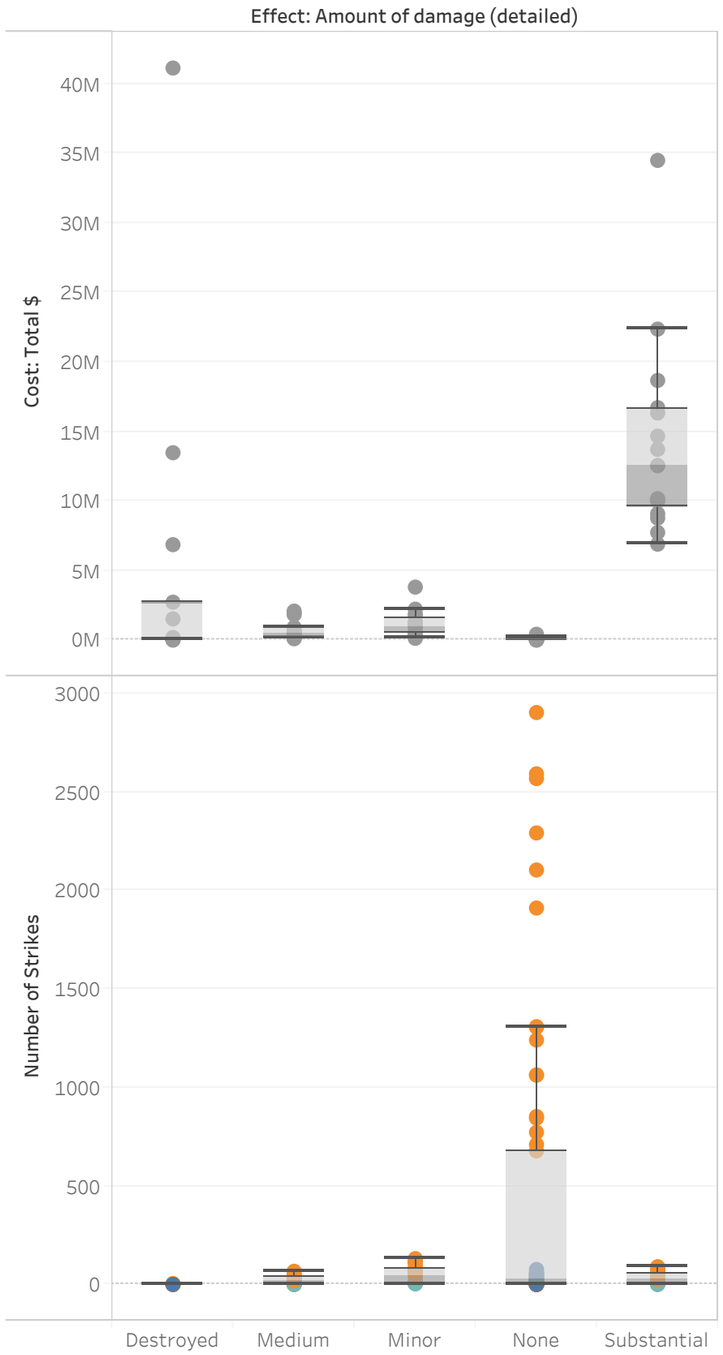
Effect: Impact to flight	
None	25,051
Precautionary Landing	1,457
Other	628
Aborted Take-off	800
Engine Shut Down	148

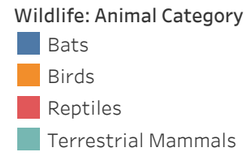
Number of Strikes

148 25,051

Story 1

Number pf Strikes per State by descending airports Graph | Number of Strikes by State | Strikes and Cost with Species | Cost strikes by states | Forcasting by months date and time | Strikes by the time of day | Strikes by type of animals | Impacts on flights | Overall analysis | Dashboard



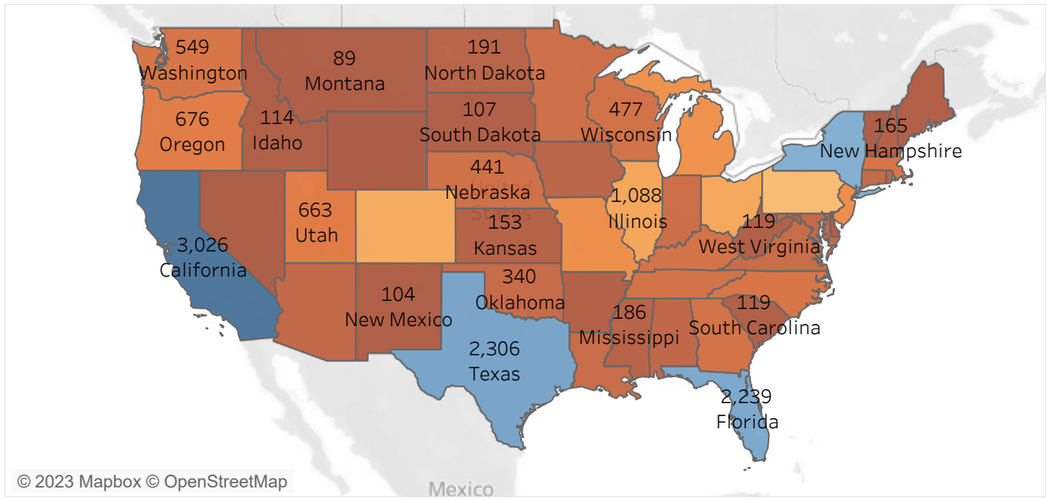


Story 1

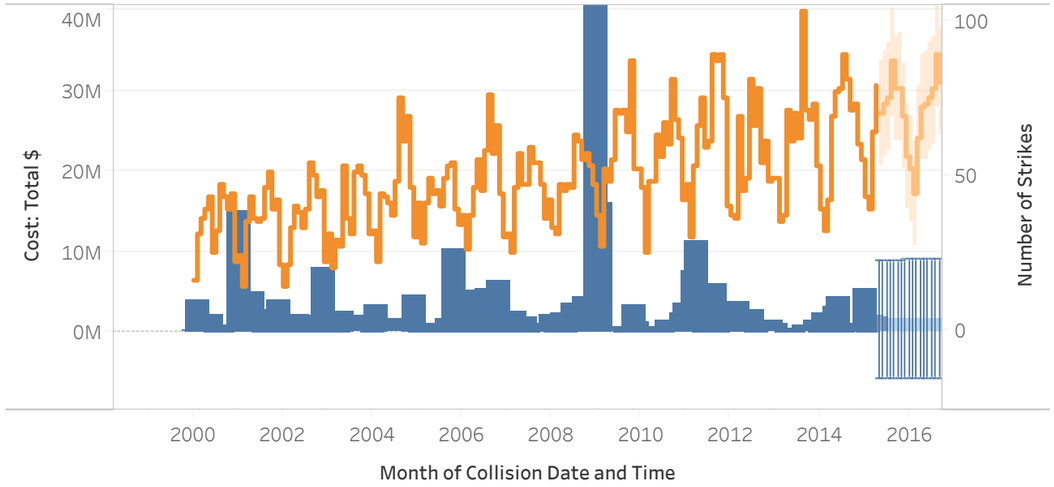
Number of Strikes
50 — 3,026

Number of Strikes
To Null

Number of Strikes by State



Collision cost vs fleet above ground forecast



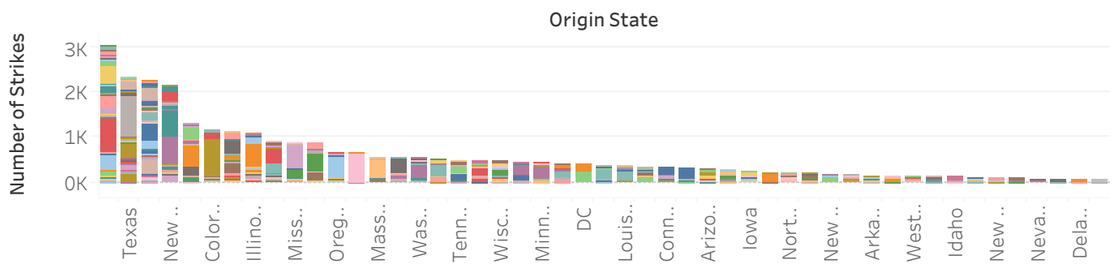
Airport: Name
- ABERDEEN REGIONA..
- ABILENE REGIONAL A..
- ABRAHAM LINCOLN C..
- ACADIANA REGIONAL..
- ADDINGTON FIELD A..
- ADDISON
- ADIRONDAK REGION..
- AKRON-CANTON REG..
- ALBANY INTL
- ALBERT J ELLIS
- ALBERT LEA MUNICIP..
- ALBUQUERQUE INTL ..
- ALEXANDRIA INTL
- ALLEGHENY COUNTY ..
- ALLIANCE MUNICIPAL..
- ALPENA COUNTY REG
- ALTOONA-BLAIR COU..
- ALTUS/QUARTZ MOU..
- ANDERSON MUNI-DA..
- ANDERSON REGIONAL
- ANN ARBOR MUNICIP..
- ANNISTON METROPO..
- APALACHICOLA REGI..
- ARANSAS COUNTY A..

Effect: Amount of damag..
- Destroyed
- Medium
- Minor
- Substantial

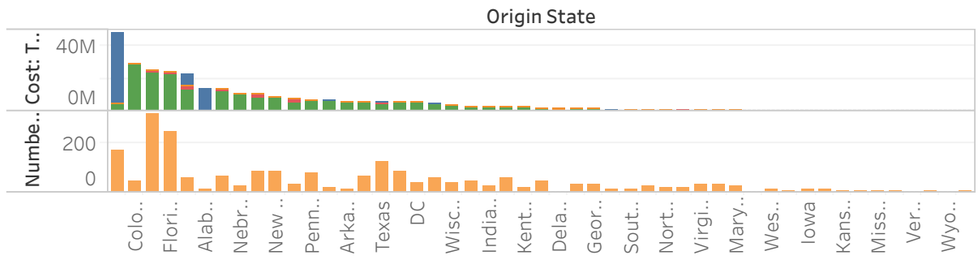
Measure Names, Forecas..
- Cost: Total $, Actual
- Cost: Total $, Estimate
- Number of Strikes, Ac..
- Number of Strikes, Es..

Wildlife: Animal Category
- Birds
- Terrestrial Mammals

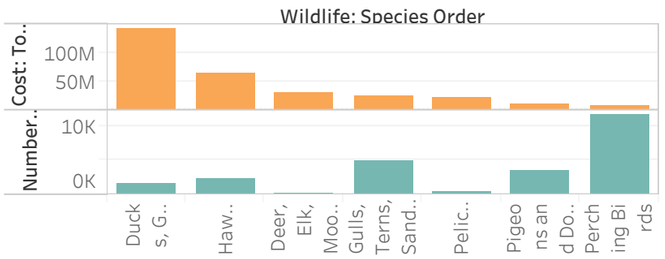
Descending Number of Strikes Graph

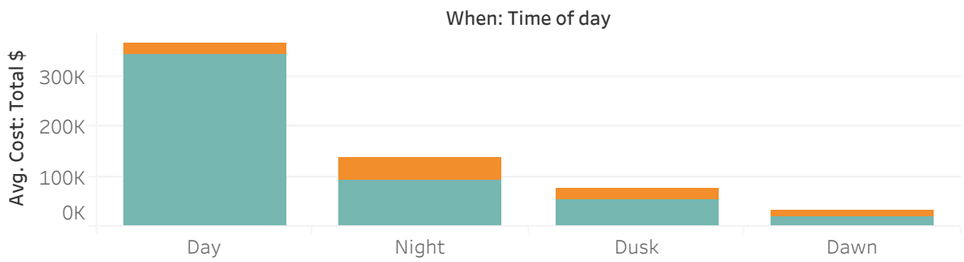


Number of Strikes and Cost by State



Strikes and Costs with Species



Number of Strikes vs Time of Day

Time of Day vs Avg Cost by Strike vs animals