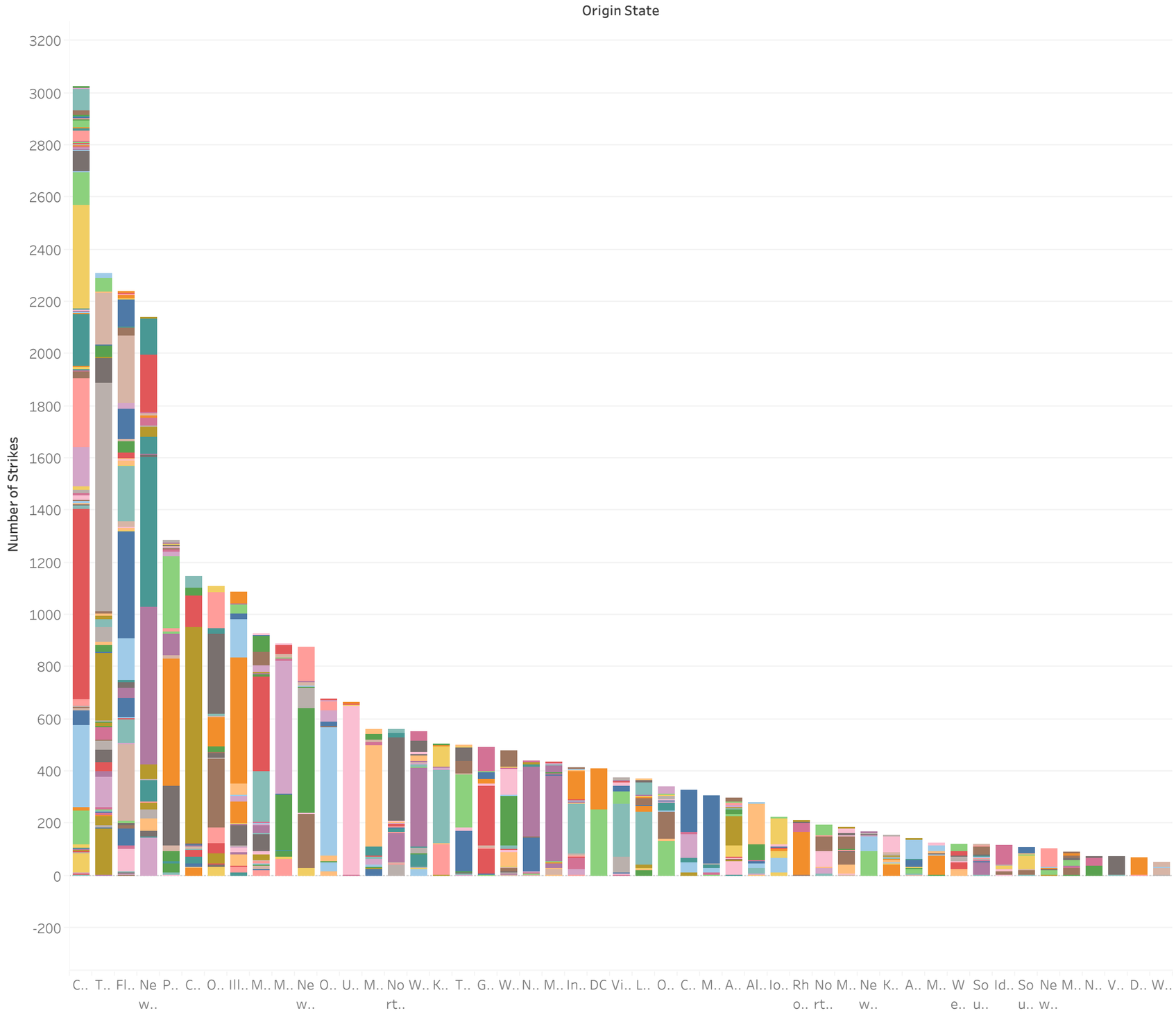
Descending Number of Strikes Graph

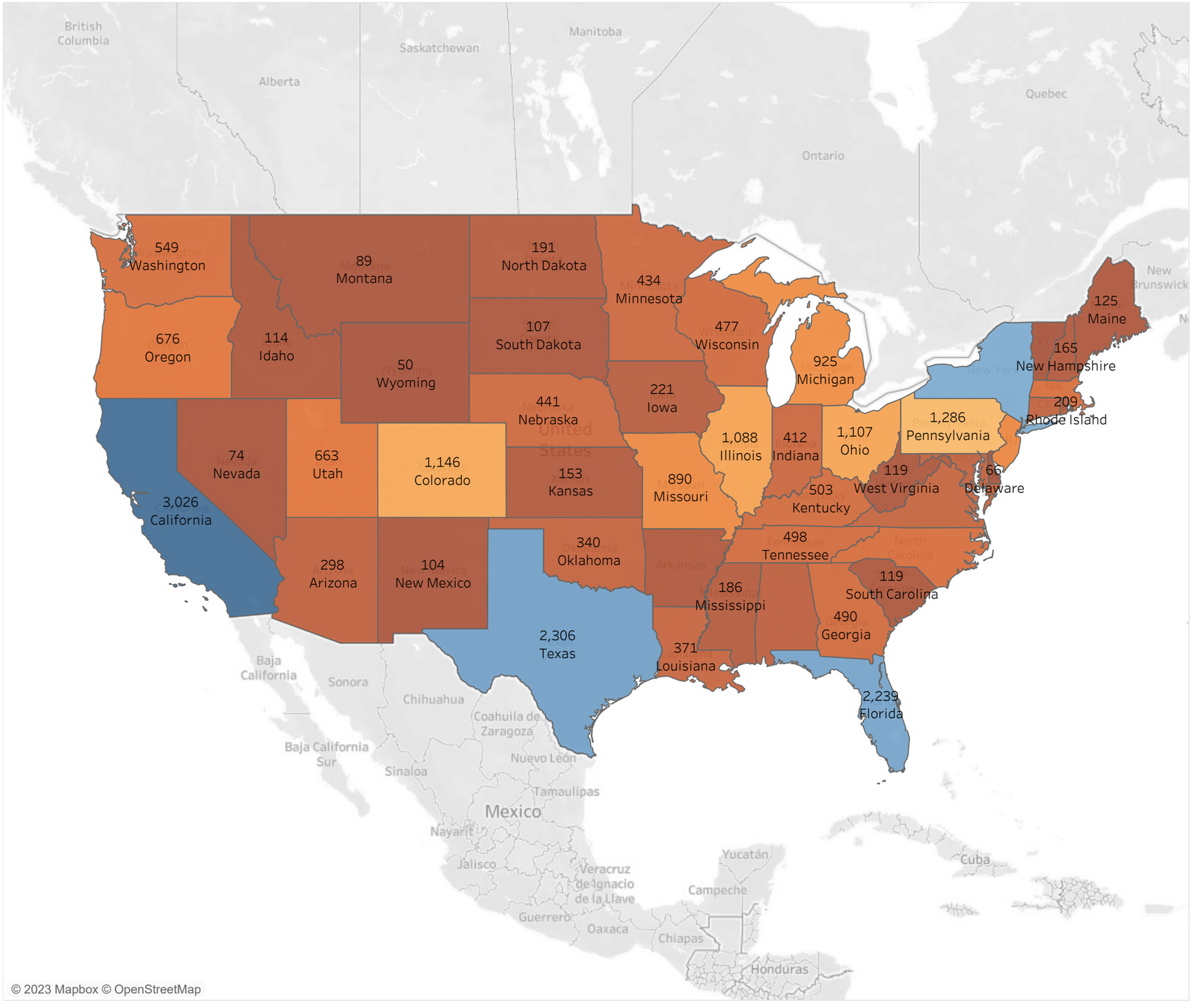


Airport: Name

- 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

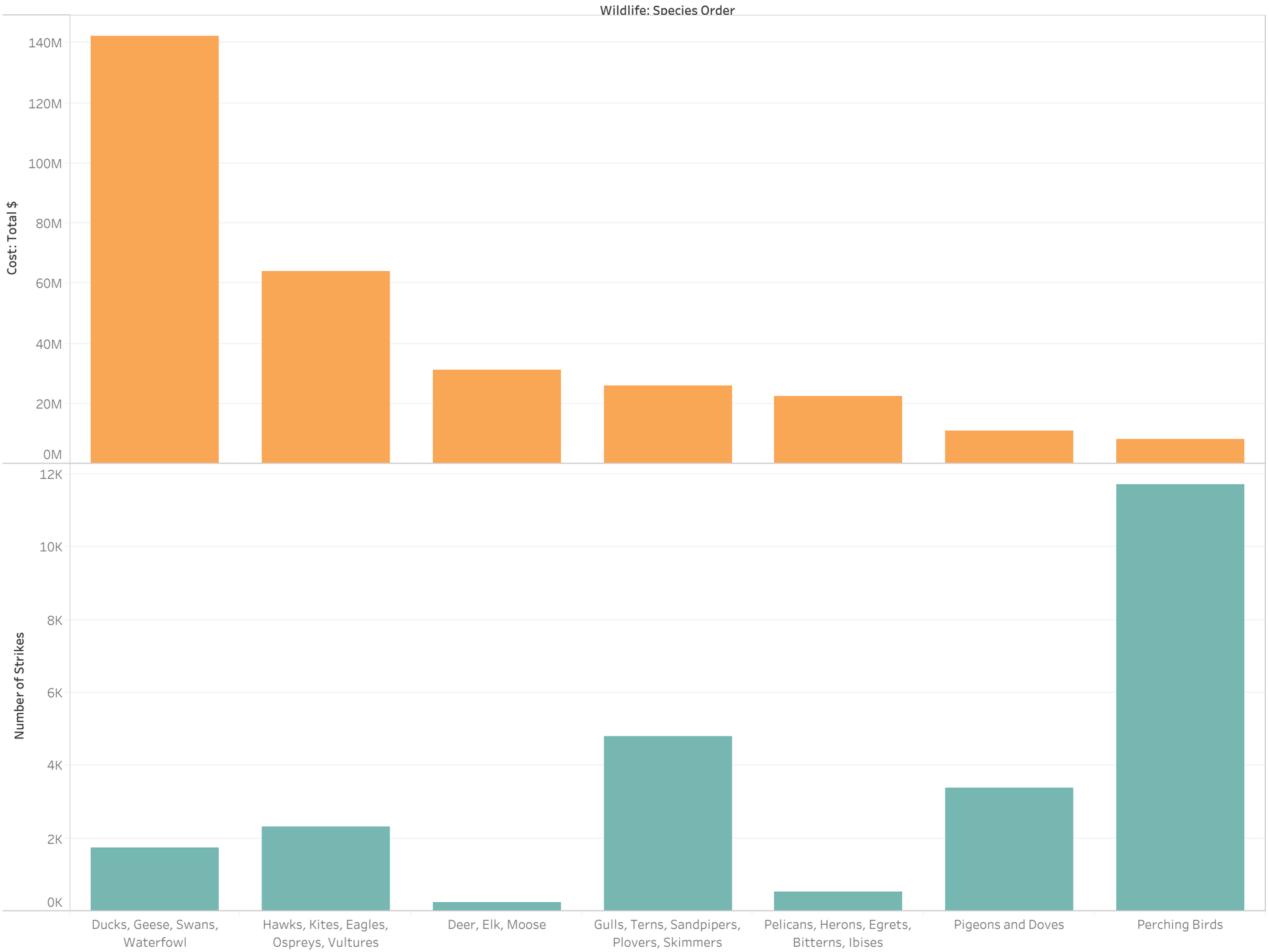
Sum of Number of Strikes for each Origin State. Color shows details about Airport: Name. The data is filtered on In / Out of When: Time of day Set, which excludes Null. The view is filtered on sum of Number of Strikes, which includes everything.

Number of Strikes by State



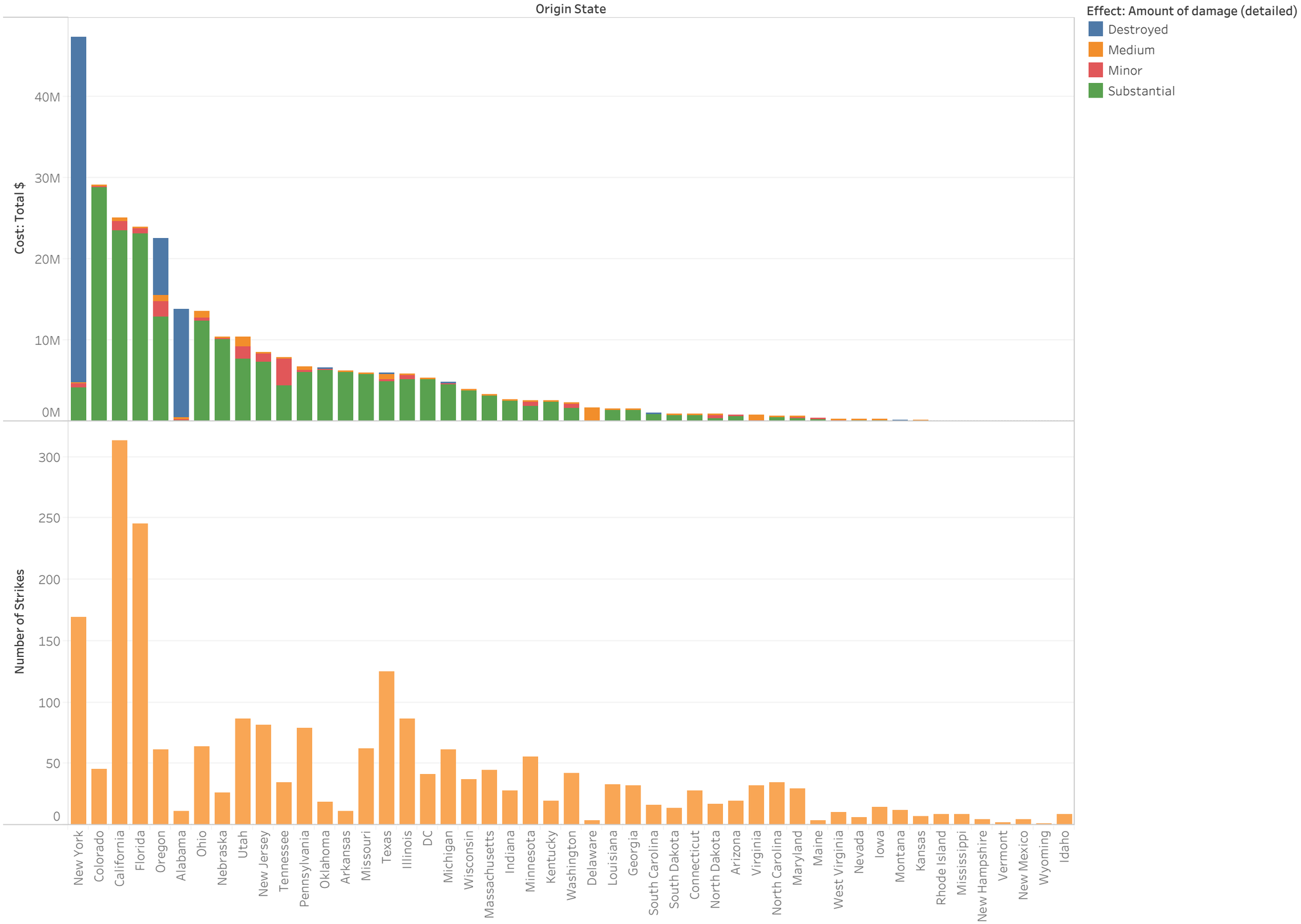
Map based on Longitude (generated) and Latitude (generated). Color shows sum of Number of Strikes. The marks are labeled by sum of Number of Strikes and Origin State. Details are shown for various dimensions. The data is filtered on Effect: Amount of damage (detailed), Wildlife: Species Group, Collision 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



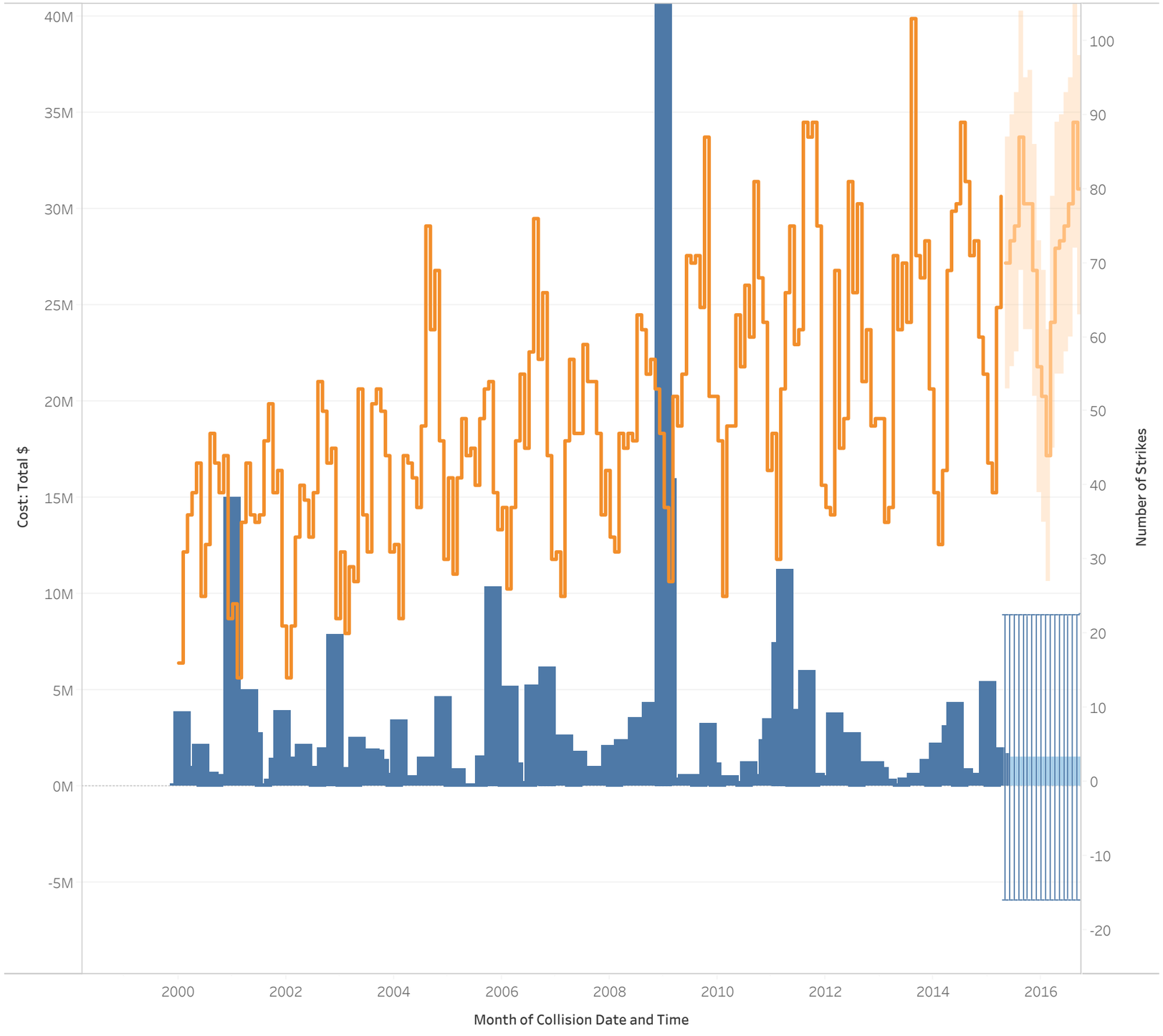
Sum of Cost: Total $ and sum of Number of Strikes for each Wildlife: Species Order. The data is filtered on In / Out of When: Time of day Set, which excludes Null. The view is filtered on sum of Number of Strikes and sum of Cost: Total $. The sum of Number of Strikes filter ranges from 225 to 11,697.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

Number of Strikes and Cost by State



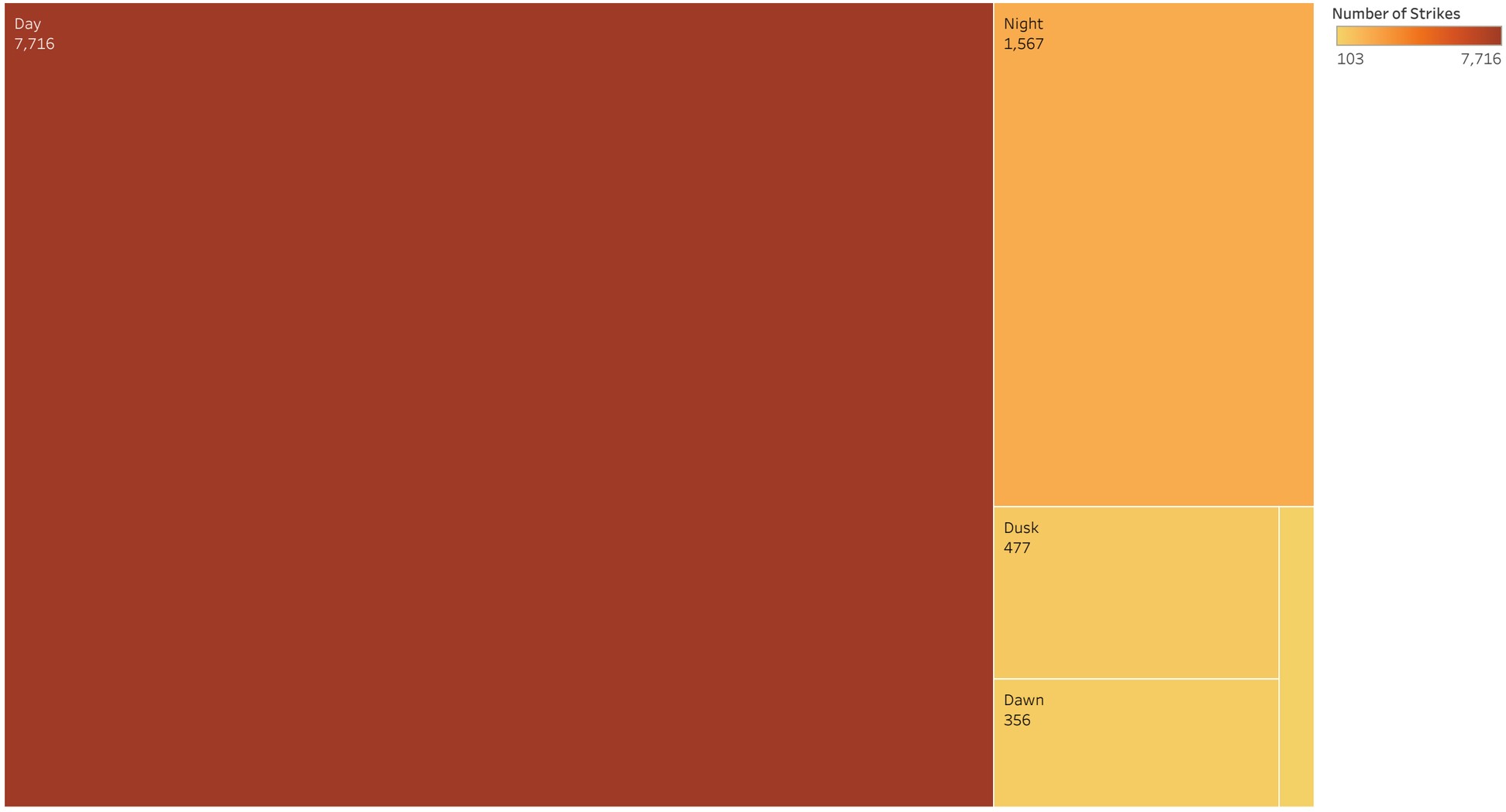
Sum of Cost: Total $ and sum of Number of Strikes for each Origin State. For pane Sum of Cost: Total $: Color shows details about Effect: Amount of damage (detailed). The data is filtered on When: Time of day Set, Wildlife: Species Group Set, Effect: Indicated Damage, Effect: Impact to flight Set and 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



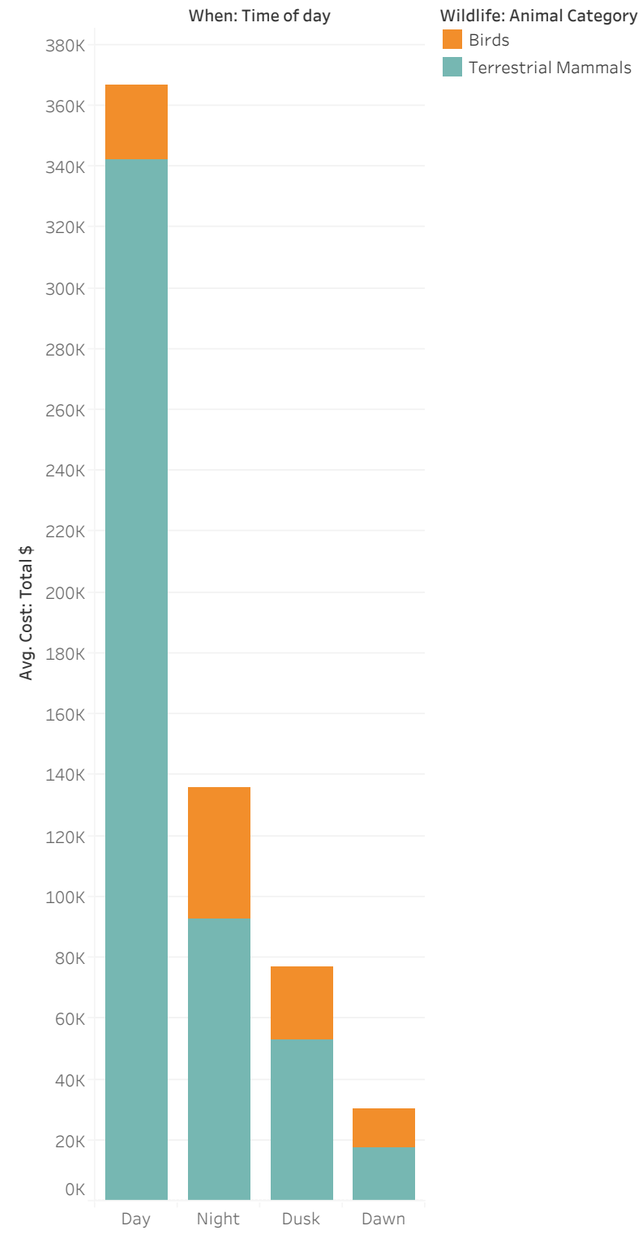
The trends of Cost: Total $ and Number of Strikes for Collision Date and Time Month. Color shows details about Cost: Total $, Number of Strikes and Forecast indicator. The data is filtered on Origin State, When: Time of day Set, Wildlife: Species Group Set, Effect: Amount of damage (detailed), Feet above 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

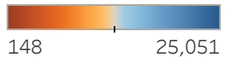


Avg. Cost: Total $ for each When: Time of day. Color shows details about Wildlife: Animal Category. Details are shown for Avg. Cost: Total $. The data is filtered on In / Out of When: Time of day Set, Wildlife: Species Group Set, Origin State, Effect: Amount of damage (detailed) and Collision Date and 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

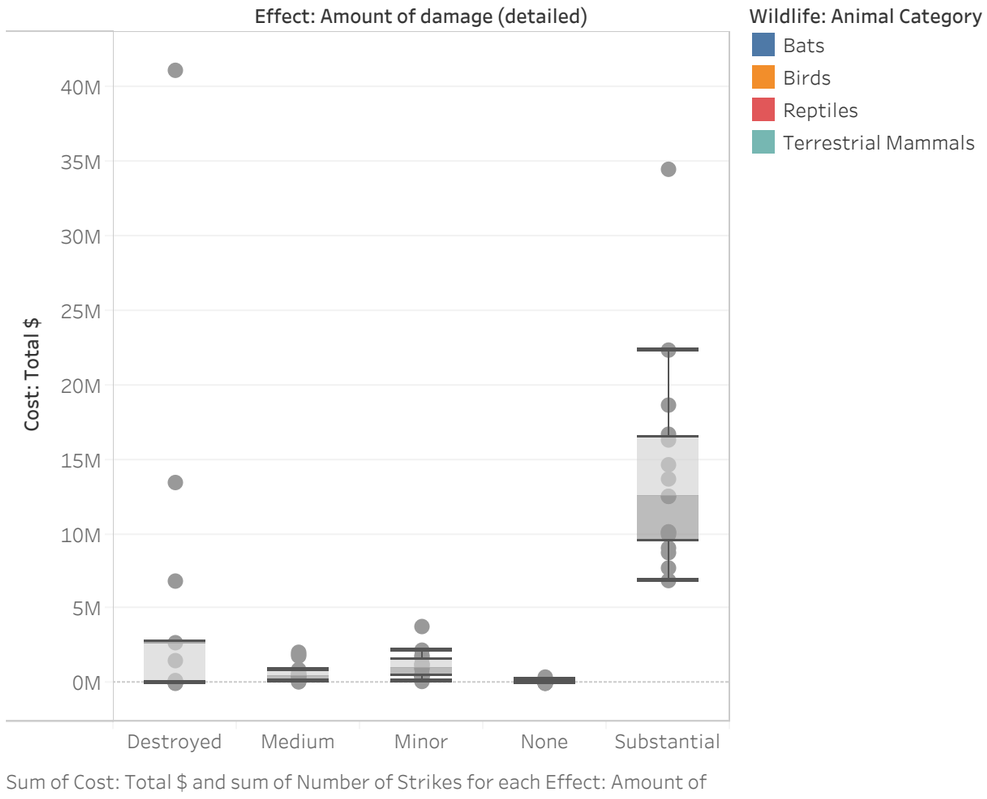
Effect: Impact to flight	
None	25,051
Precautionary Landing	1,457
Other	628
Aborted Take-off	800
Engine Shut Down	148

Number of Strikes



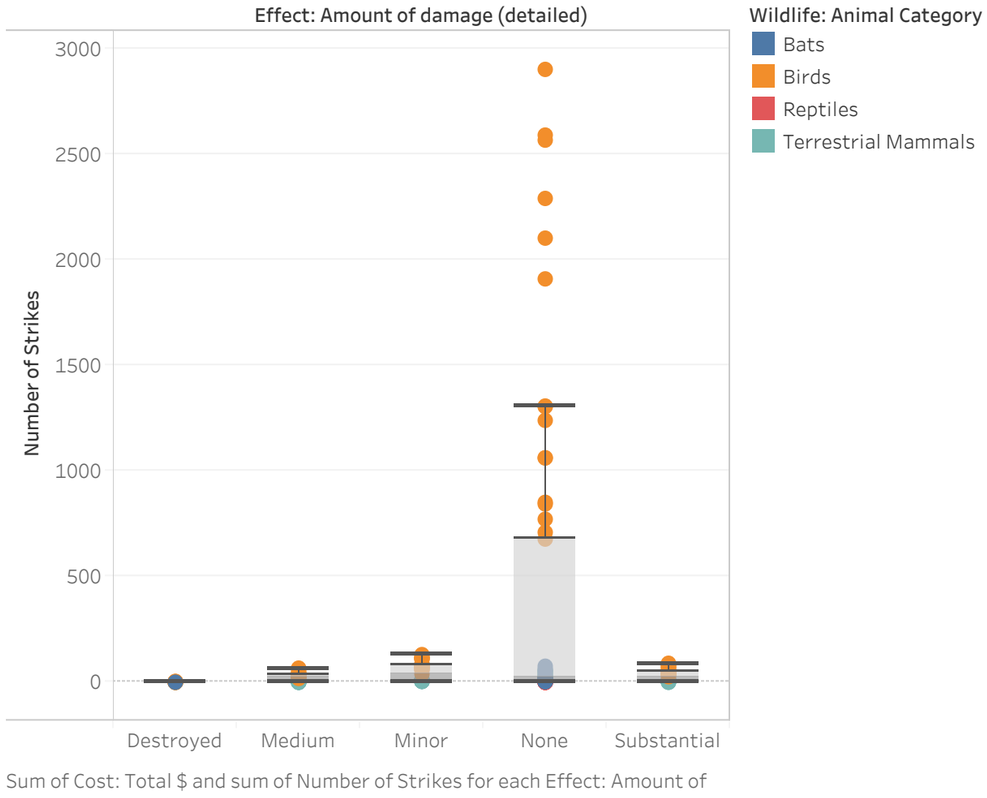
Sum of Number of Strikes broken down by Effect: Impact to flight. Color shows sum of Number of Strikes. The data is filtered on In / Out of When: Time of day Set, Origin State, Wildlife: Species Group, Effect: Amount of damage (detailed) and Effect: Impact to flight Set. The In / Out of When: Time of 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



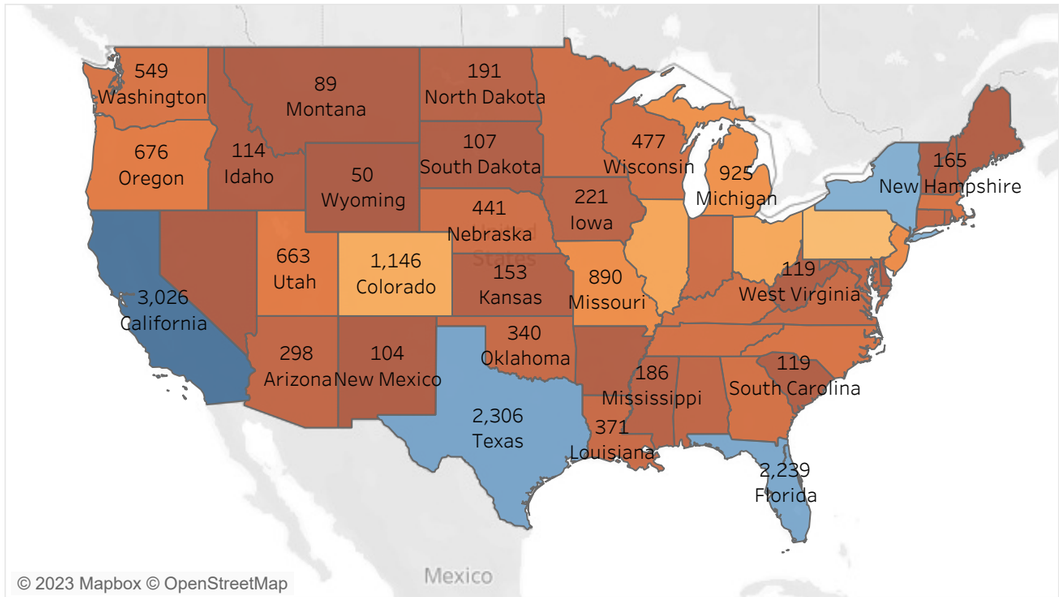
Wildlife: Animal Category
- Bats
- Birds
- Reptiles
- Terrestrial Mammals

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.

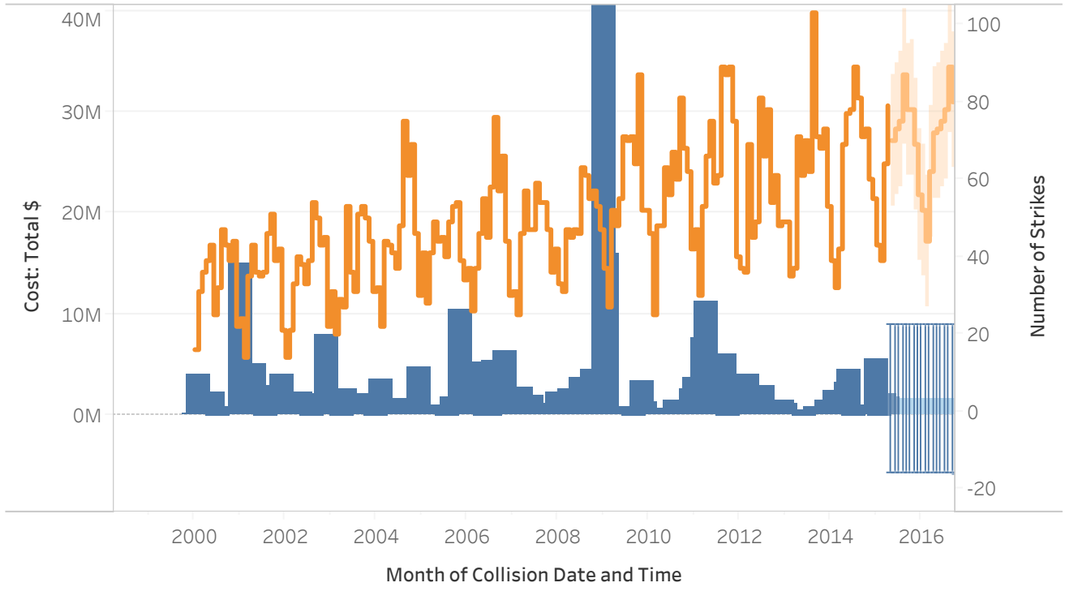
Number of Strikes
50 — 3,026

Number of Strikes
To Null

Number of Strikes by State

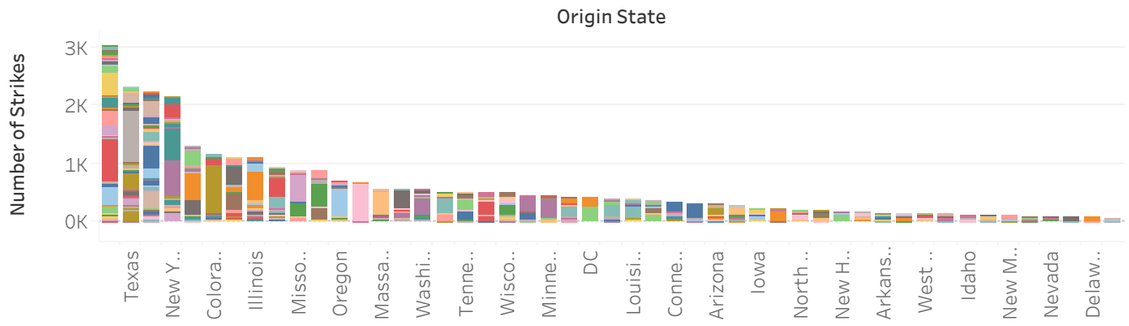


Collision cost vs fleet above ground forecast

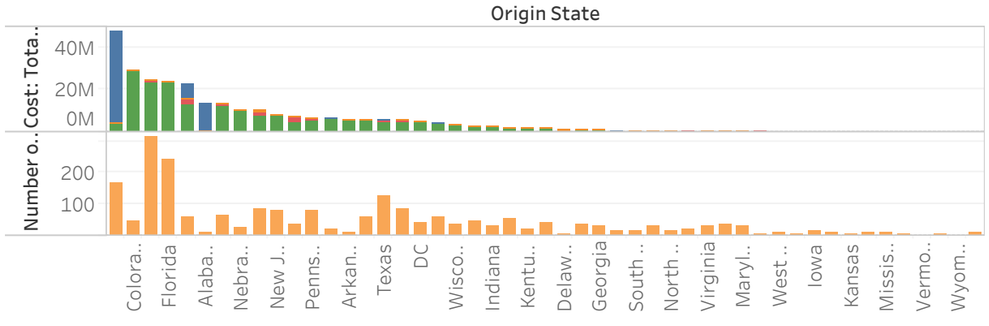


Airport: Name
- ABERDEEN REGIONA..
- ABILENE REGIONAL A..
- ABRAHAM LINCOLN C..
- ACADIANA REGIONAL..
- ADDINGTON FIELD A..
- ADDISON
- ADIRONDAK REGION..
- AKRON-CANTON REG..
- ALBANY INTL
- ALBERT J ELLIS
- ALBERT LEA MUNICIP..
- ALBUQUERQUE INTL ..
- ALEXANDRIA INTL
- ALLEGHENY COUNTY ..
- ALLIANCE 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



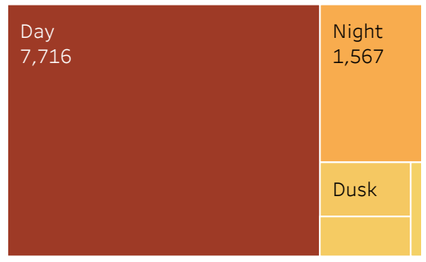
Effect: Amount of damag..
- Destroyed
- Medium
- Minor
- Substantial

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

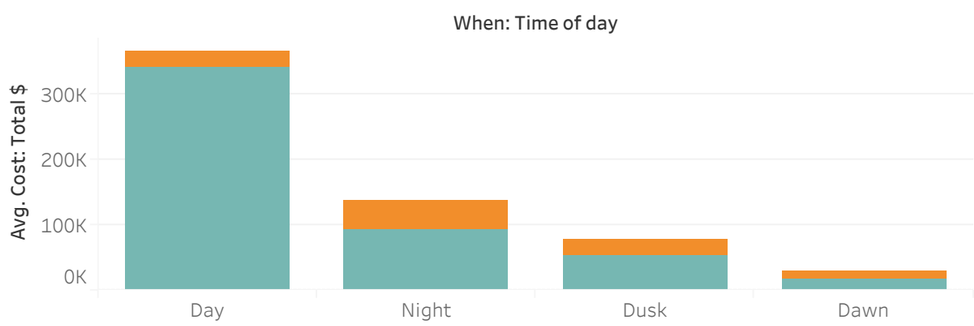
Wildlife: Animal Category
- Birds
- Terrestrial Mammals

Strikes and Costs with Species

Number of Strikes vs Time of Day



Time of Day vs Avg Cost by Strike vs animals



Federal Aviation Administration Wildlife Strikes dataset for the year 2015

Federal Aviation Administration Wildlife Strikes dataset for the year 2015

•This project focuses on analyzing the FAA Wildlife Strikes dataset for the year 2015, aiming to understand its financial implications and uncover patterns related to wildlife strikes in aviation. The analysis is conducted using Tableau to create visualizations and address specific questions related to the dataset.

•The primary objective of this analysis is to thoroughly examine the FAA Wildlife Strikes dataset for the year 2015 and assess its financial implications. This involves the following key tasks:

Develop Visualizations:

Identify Patterns and Trends:

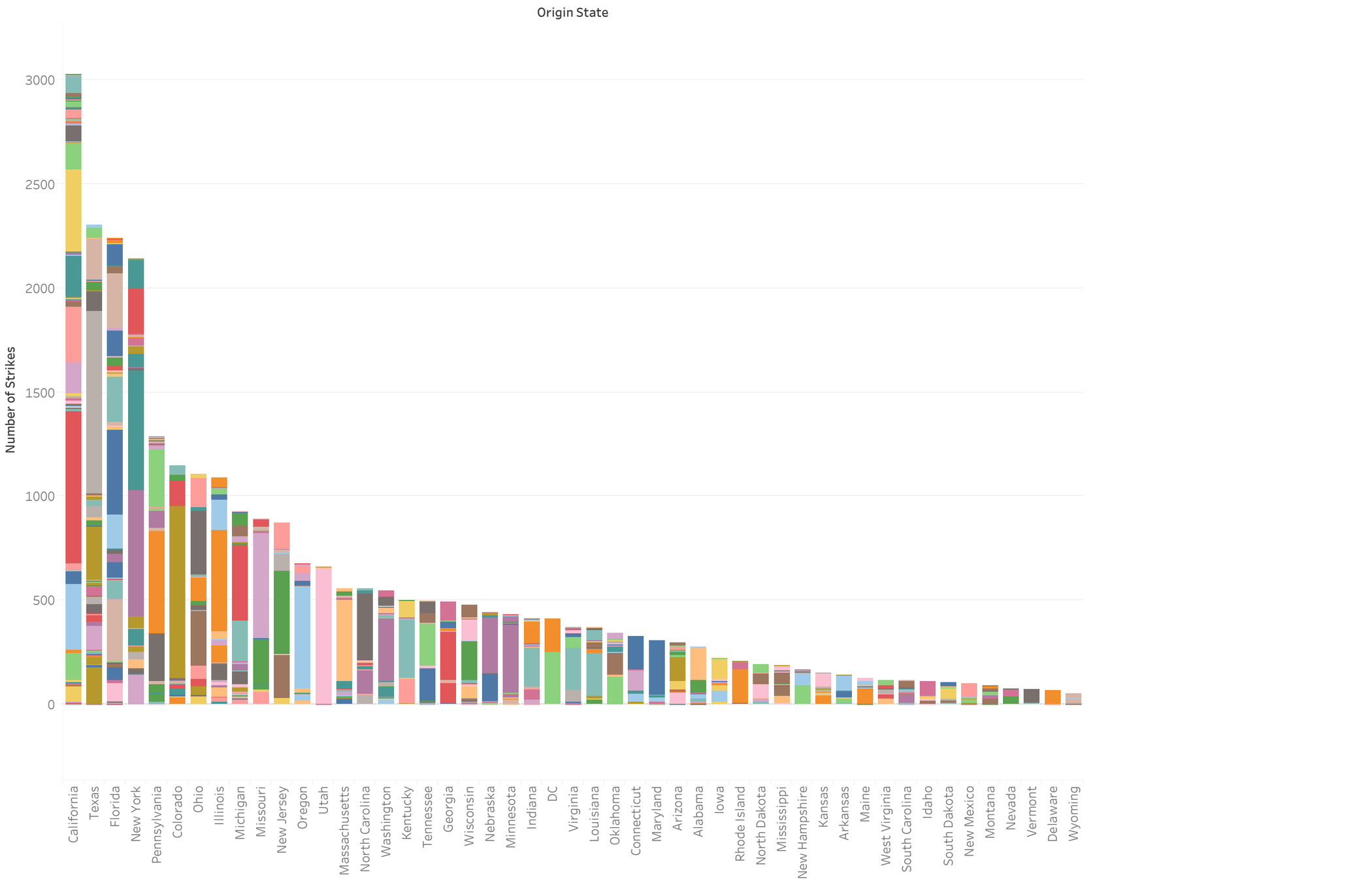
Build Interactive Dashboard:

Federal Aviation Administration Wildlife Strikes dataset for the year 2015

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

Federal Aviation Administration Wildlife Strikes dataset for the year 2015



Number of Strikes
To Null

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..
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- ARNOLD PALMER RE..
- ASHEVILLE REGIONA..
- ASPEN-PITKIN COUN..
- ASTORIA REGIONAL
- ATLANTIC CITY INTL
- AUBURN MUNICIPAL ..
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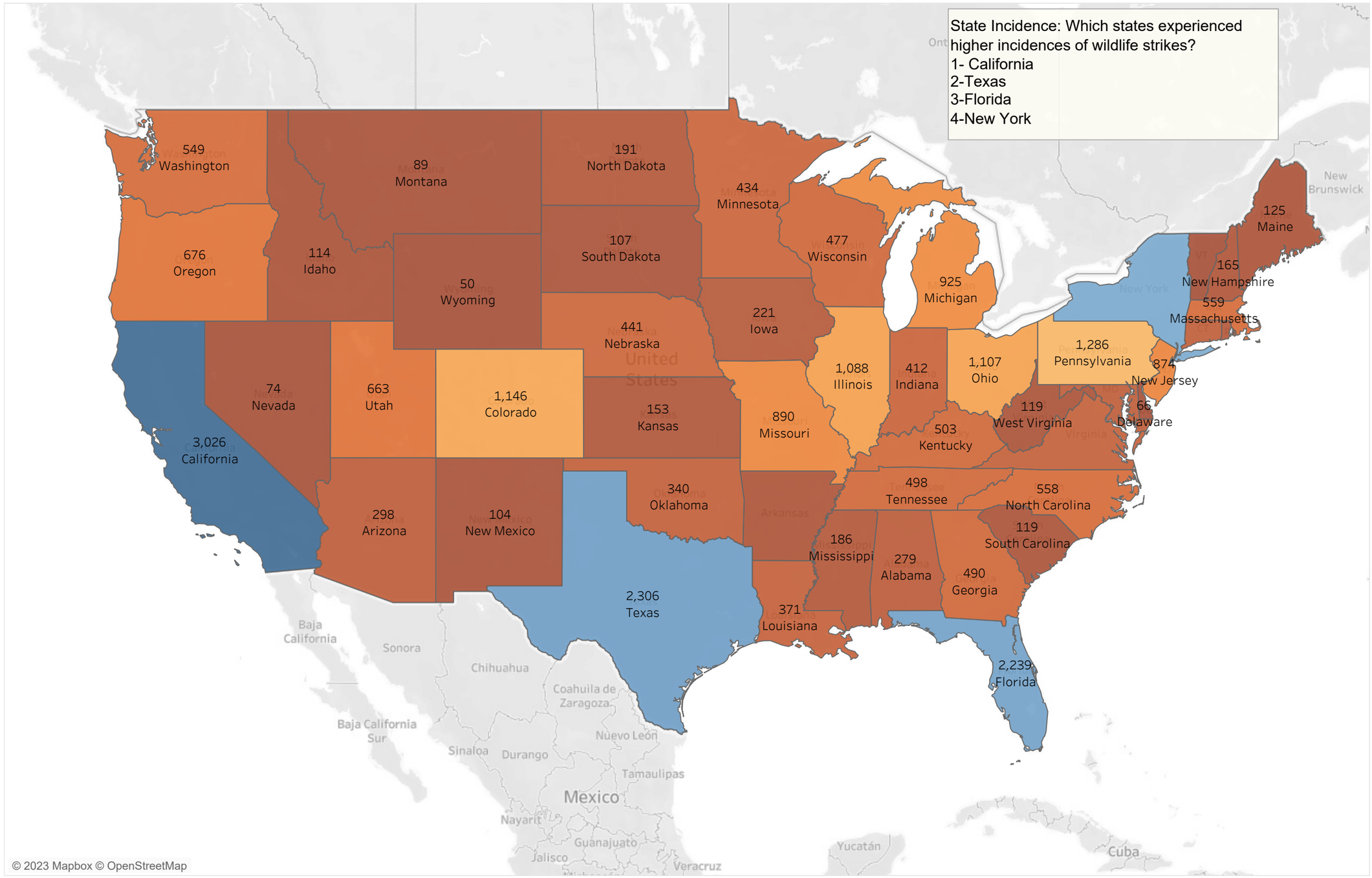
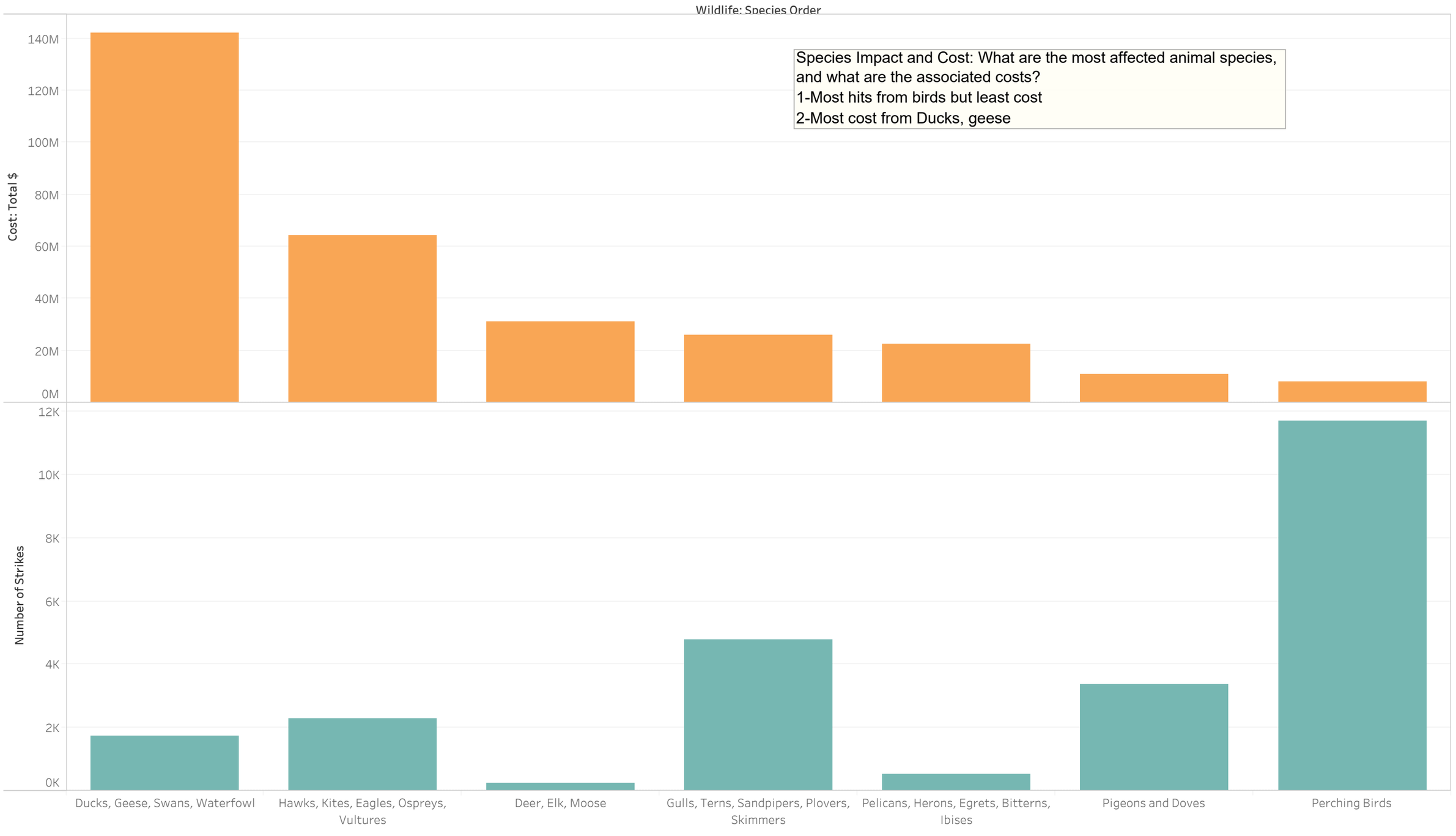
- AUGUSTA REGIONAL ..
- AUGUSTA STATE
- AURORA MUNICIPAL ..
- AUSTIN MUNICIPAL

Federal Aviation Administration Wildlife Strikes dataset for the year 2015



Federal Aviation Administration Wildlife Strikes dataset for the year 2015



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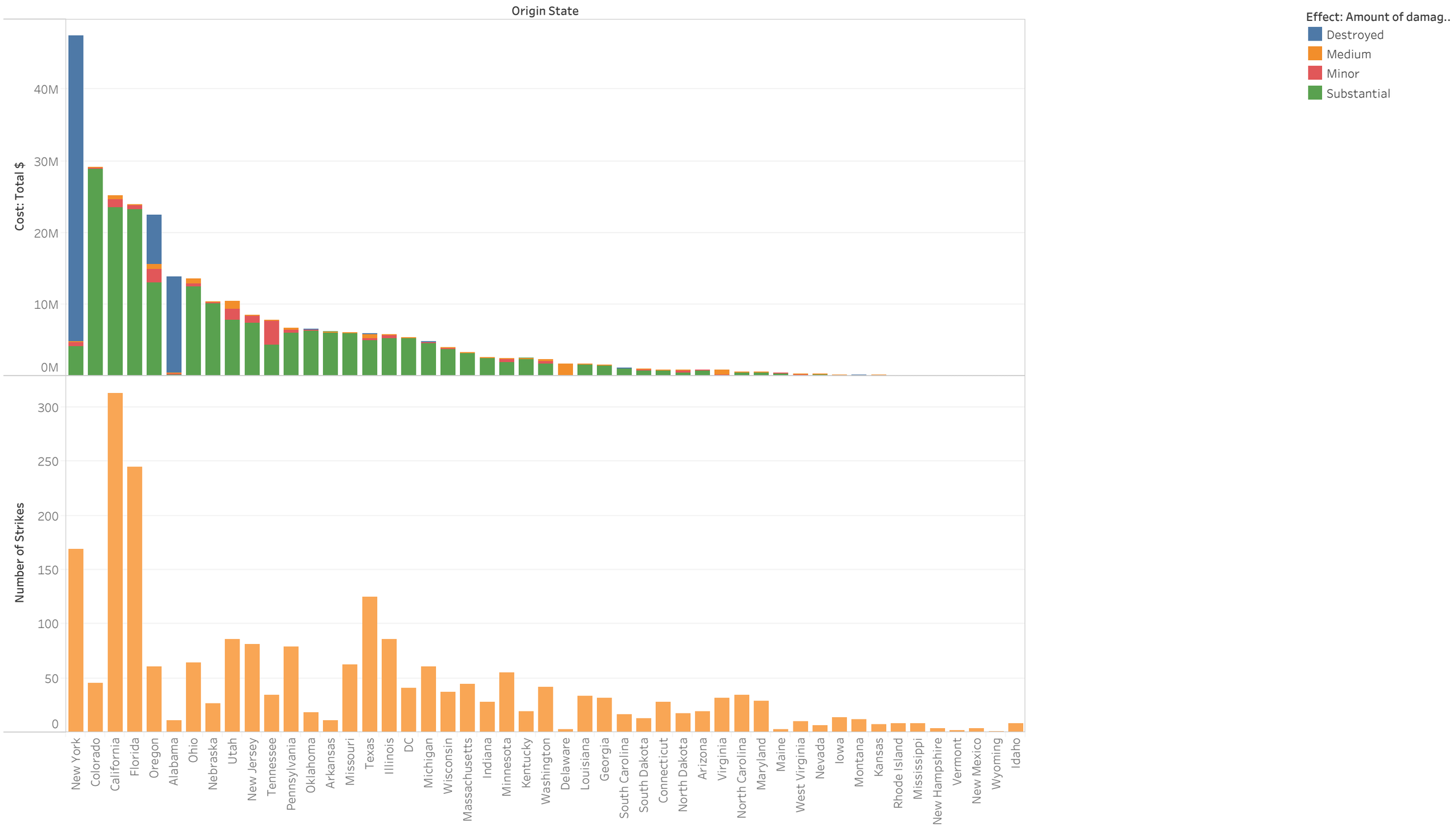
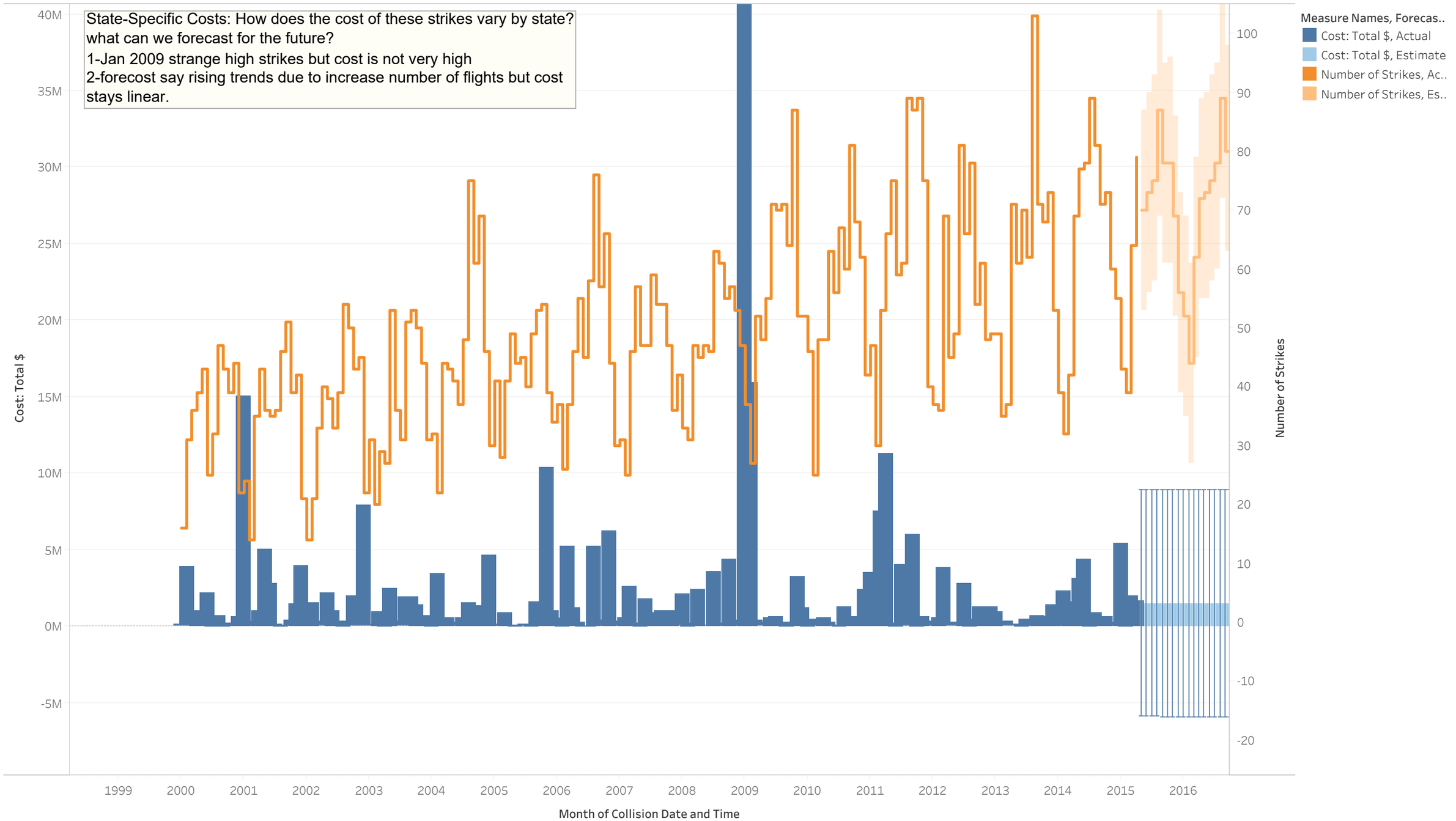
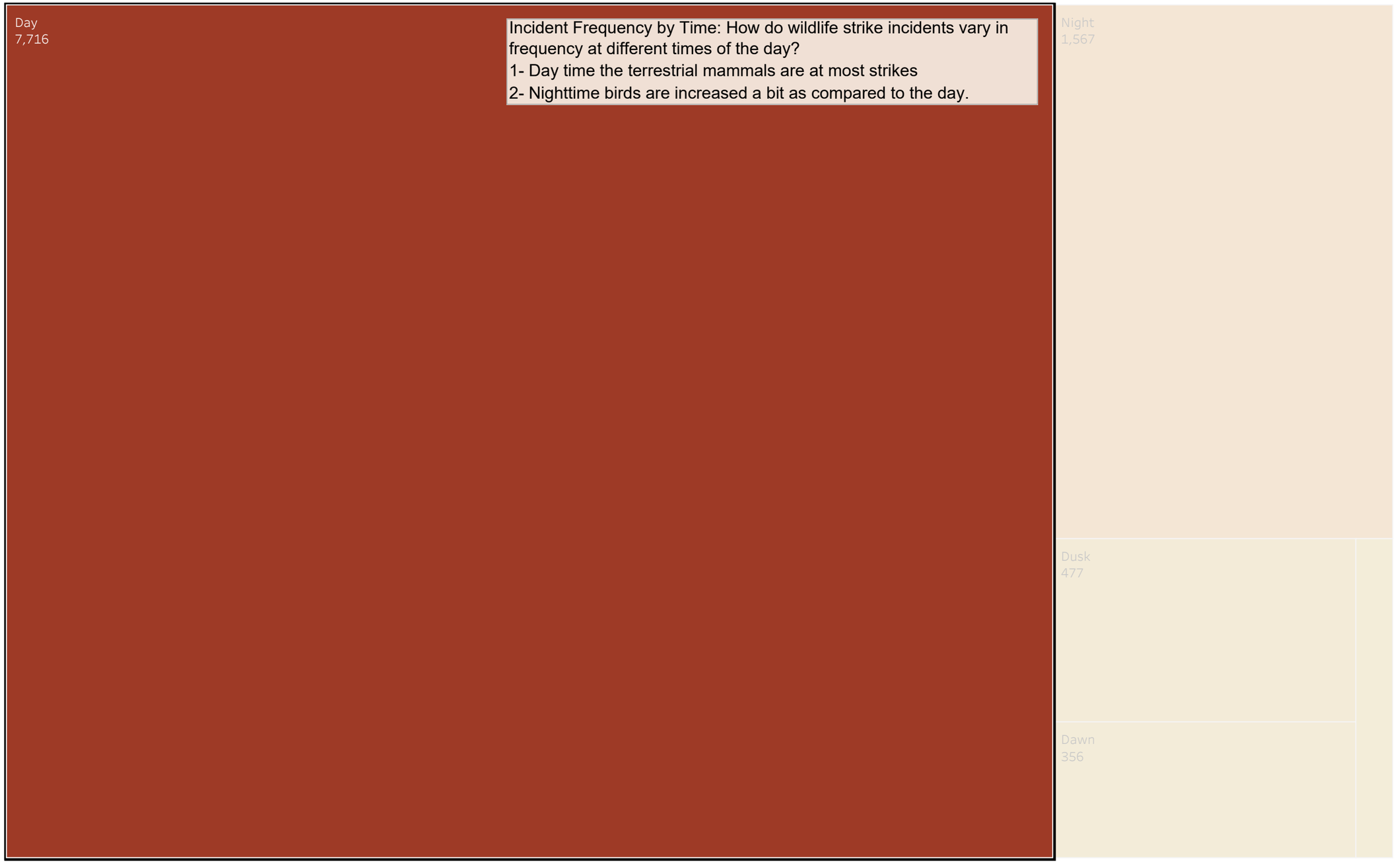


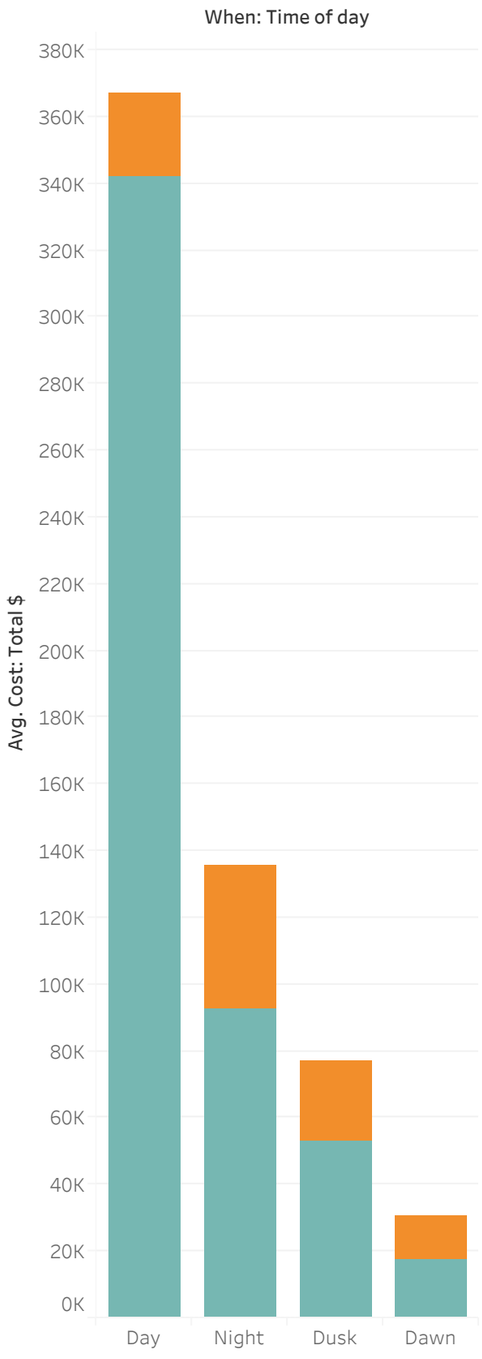
Federal Aviation Administration Wildlife Strikes dataset for the year 2015



Federal Aviation Administration Wildlife Strikes dataset for the year 2015



Federal Aviation Administration Wildlife Strikes dataset for the year 2015



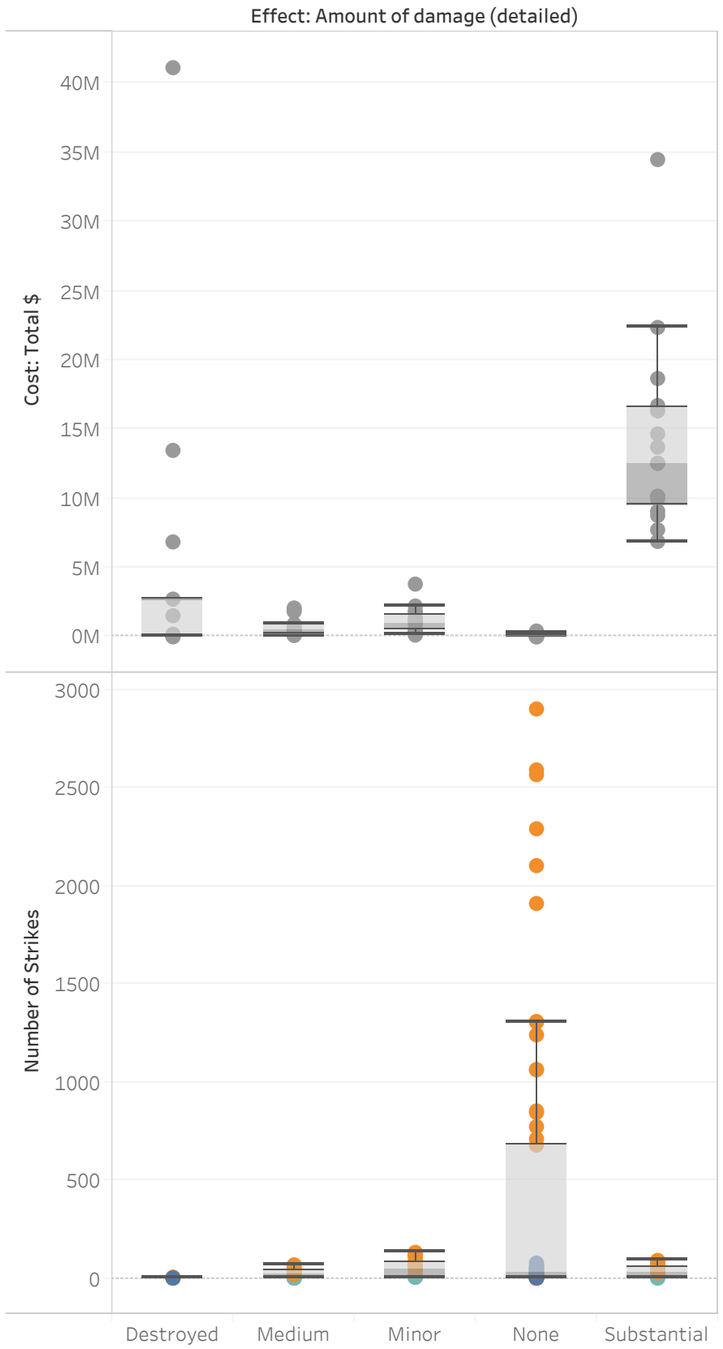
Federal Aviation Administration Wildlife Strikes dataset for the year 2015

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

Federal Aviation Administration Wildlife Strikes dataset for the year 2015



Challenges
Initially, one of the primary challenges I faced was the organization and formulation of meaningful questions to guide my analysis effectively.
Additionally, a desire to categorize airports into international, private, and commercial segments emerged as a challenge, which could have provided further insights into the dataset.

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

Time
Enhancing the creation of additional data-related graphics.
Crafting a compelling narrative to narrate the data's significance and findings, providing a more comprehensive understanding of the analysis.

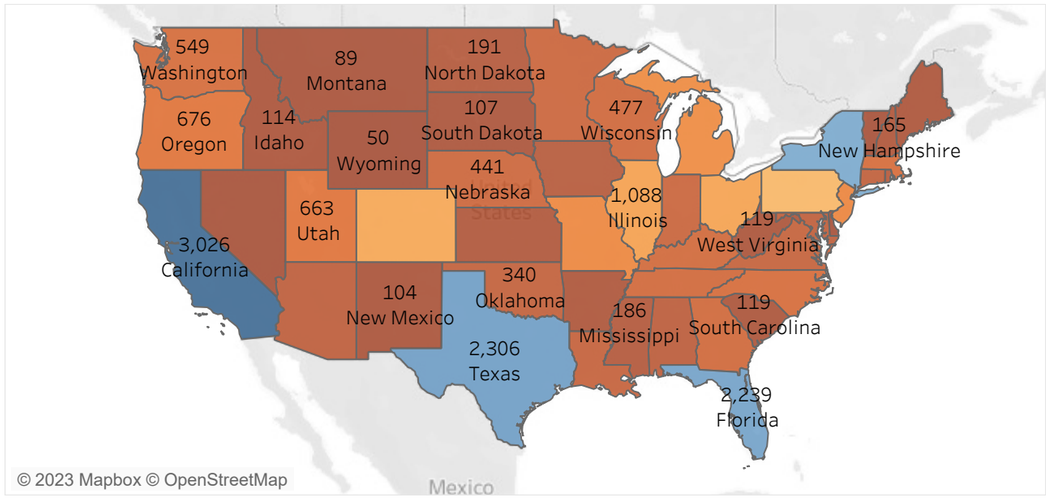
Federal Aviation Administration Wildlife Strikes dataset for the year 2015

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

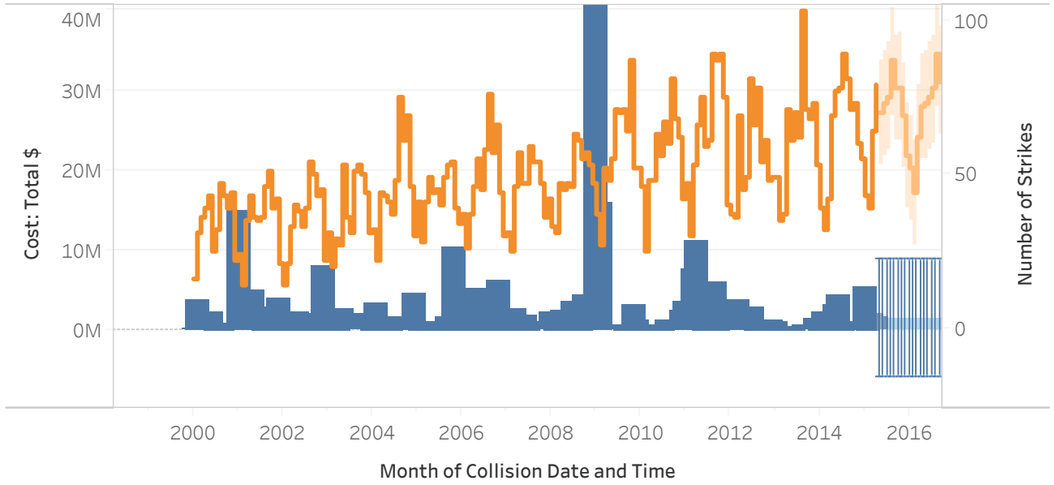
Number of Strikes
50 — 3,026

Number of Strikes
To Null

Number of Strikes by State



Collision cost vs fleet above ground forecast



Airport: Name
- ABERDEEN REGIONA..
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- ABRAHAM LINCOLN C..
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- ADIRONDAK REGION..
- AKRON-CANTON REG..
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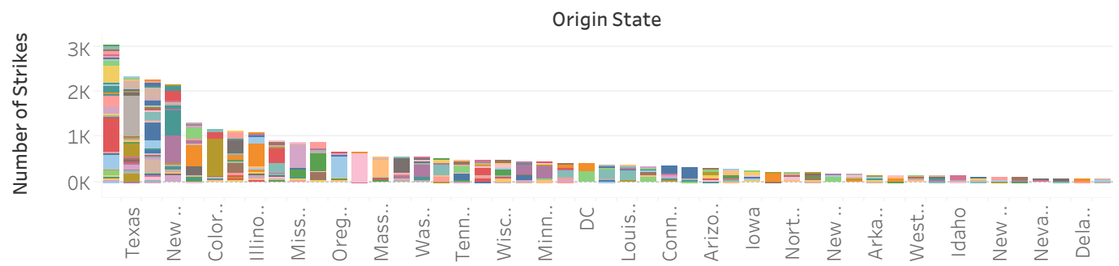
- ALLEGHENY COUNTY ..
- ALLIANCE MUNICIPAL..
- ALPENA COUNTY REG
- ALTOONA-BLAIR COU..
- ALTUS/QUARTZ MOU..
- ANDERSON MUNI-DA..
- ANDERSON REGIONAL
- ANN ARBOR MUNICIP..
- ANNISTON METROPO..
- APALACHICOLA REGI..
- ARANSAS COUNTY A..

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

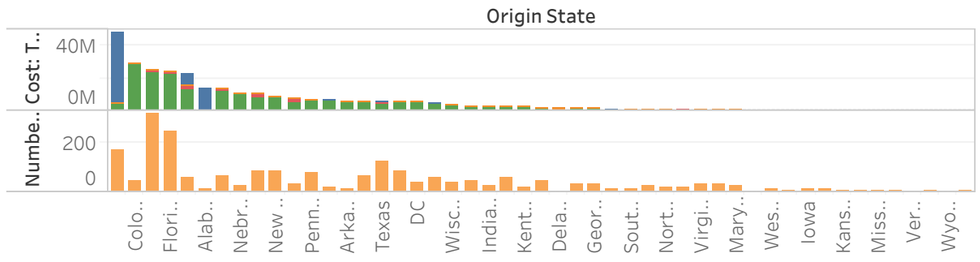
Measure Names, Forecas..
- Cost: Total $, Actual
- Cost: Total $, Estimate
- Number of Strikes, Ac..
- Number of Strikes, Es..

Wildlife: Animal Category
- Birds
- Terrestrial Mammals

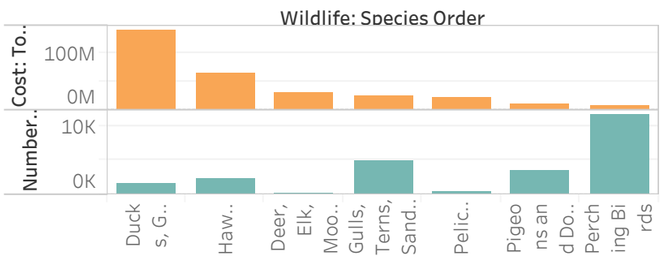
Descending Number of Strikes Graph



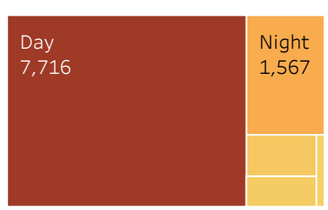
Number of Strikes and Cost by State



Strikes and Costs with Species



Number of Strikes vs Time of Day



Time of Day vs Avg Cost by Strike vs animals