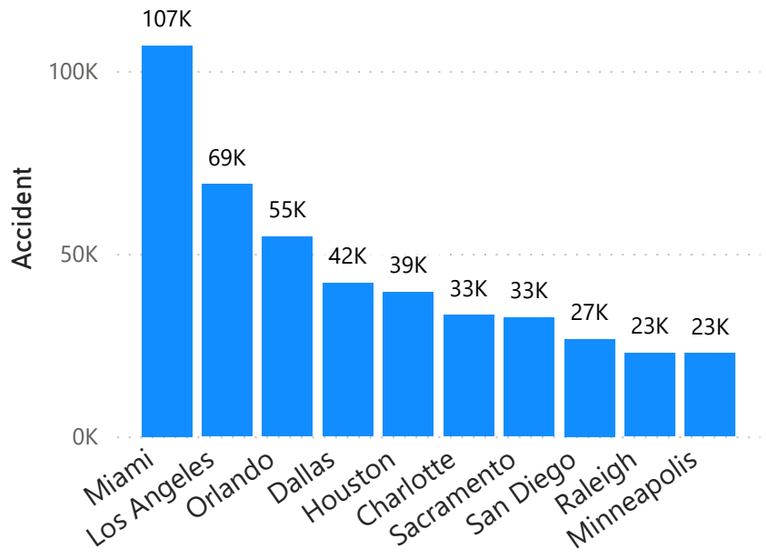
2845342

Total Number of Accidents

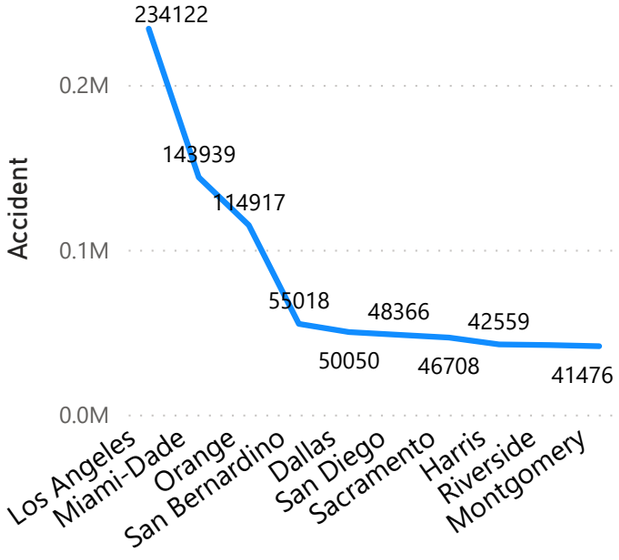
City

- Aaronsburg
- Abbeville
- Abbotsford
- Abbottstown
- Aberdeen
- Aberdeen Proving ...
- Abernathy
- Abilene
- Abingdon

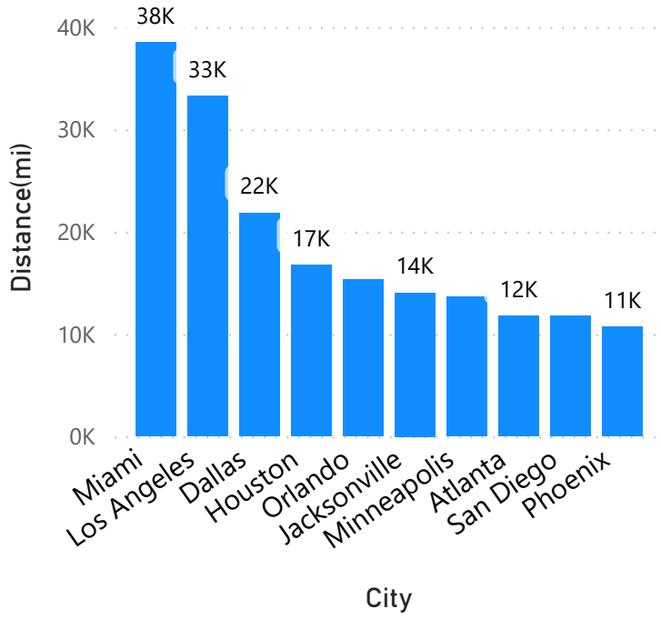
Accident by City



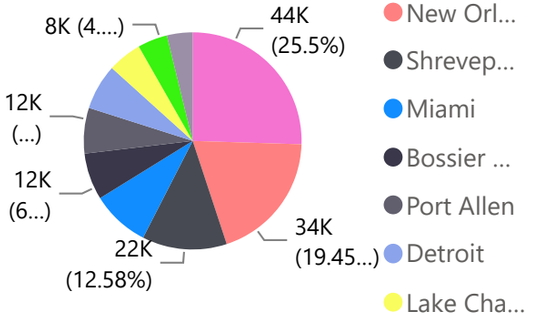
Accident by County



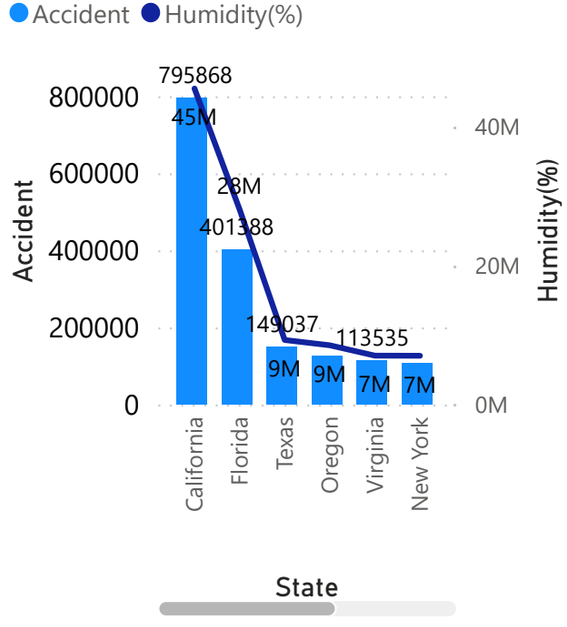
Distance(mi) by City



Number of Days by City

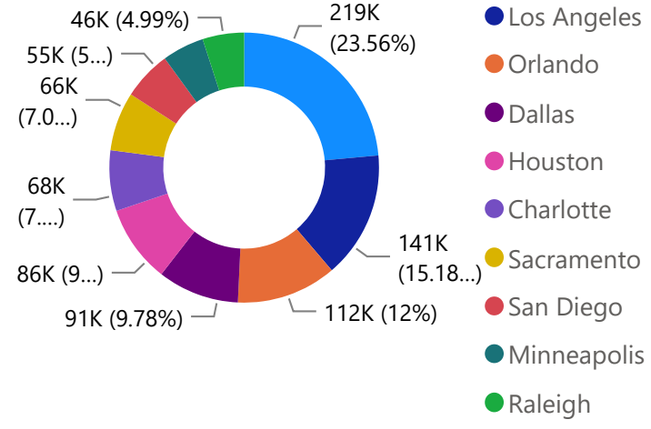


Accident and Humidity(%) by State



City	Accident_Counter
Miami	106966
Los Angeles	68956
Orlando	54691
Dallas	41979
Houston	39448
Charlotte	33152
Sacramento	32559
San Diego	26627
Raleigh	22840
Minneapolis	22768
	449986

Severity by City



Start_Time

1/14/2016 12/31/2021

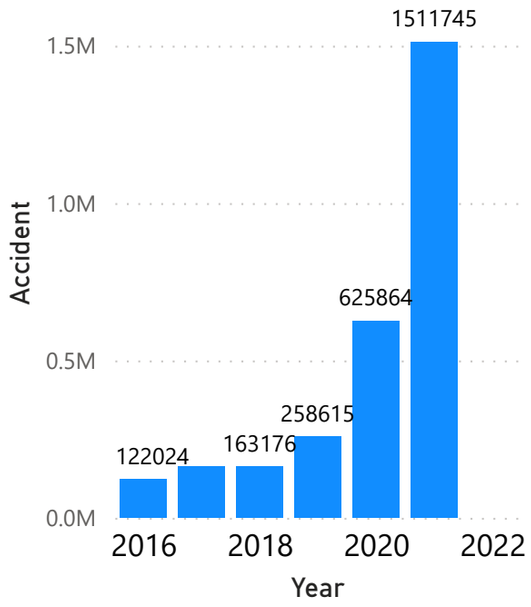
End_Time

2/8/2016 1/1/2022

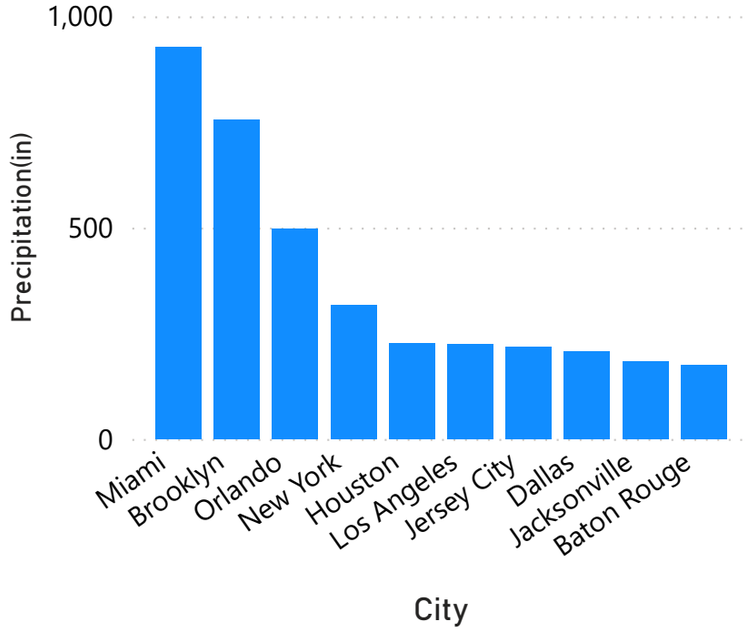
City

- Aaronsburg
- Abbeville
- Abbotsford
- Abbottstown
- Aberdeen
- Aberdeen Proving Ground
- Abernathy
- Abilene
- Abingdon
- Abington
- Abrams
- Absarokee
- Absecon
- Acampo
- Accident
- Accokeek
- Accomac
- Accord
- Ackerman
- Ackworth

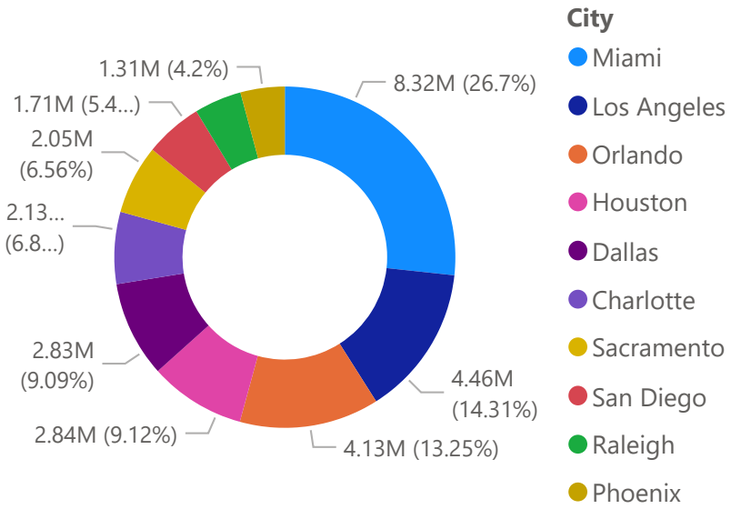
Accident by Year



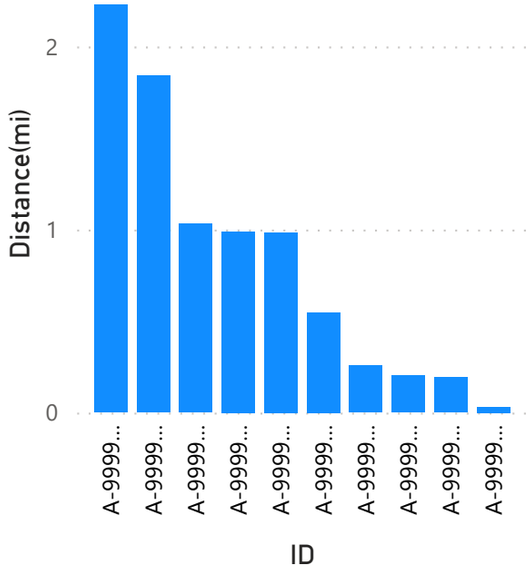
Precipitation(in) by City



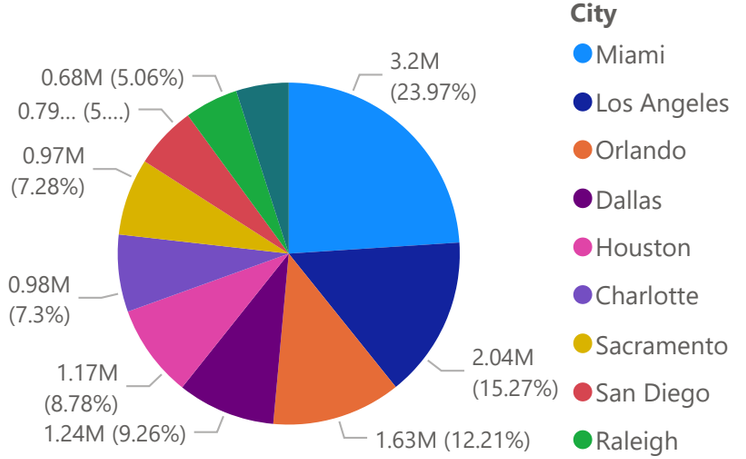
Temperature(F) by City



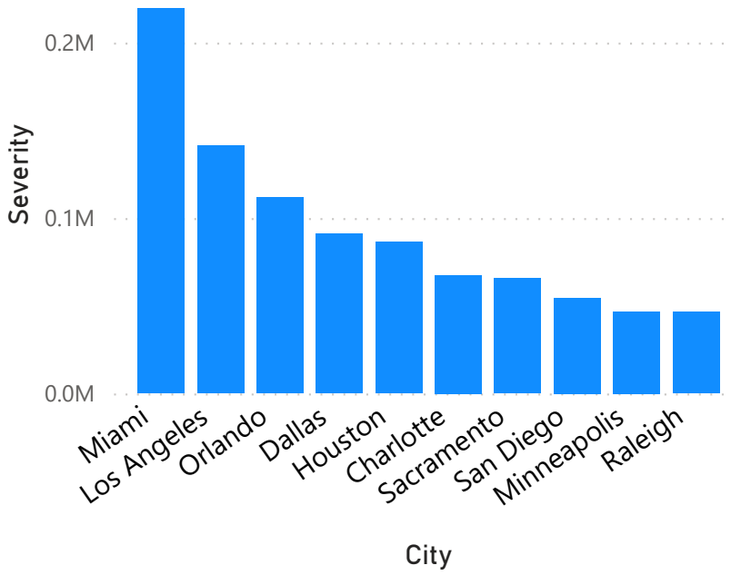
Distance(mi) by ID



Pressure(in) by City



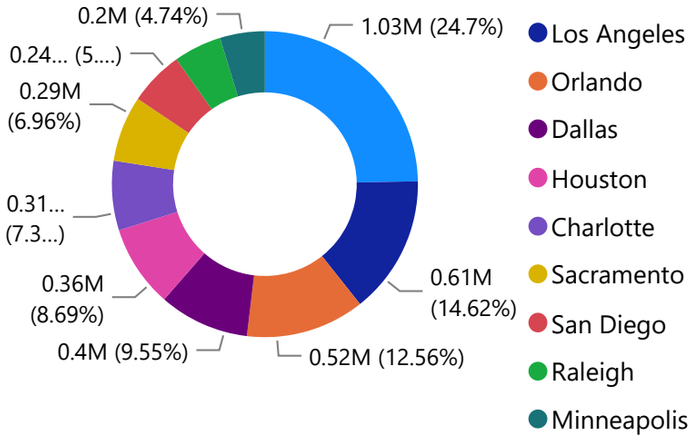
Severity by City



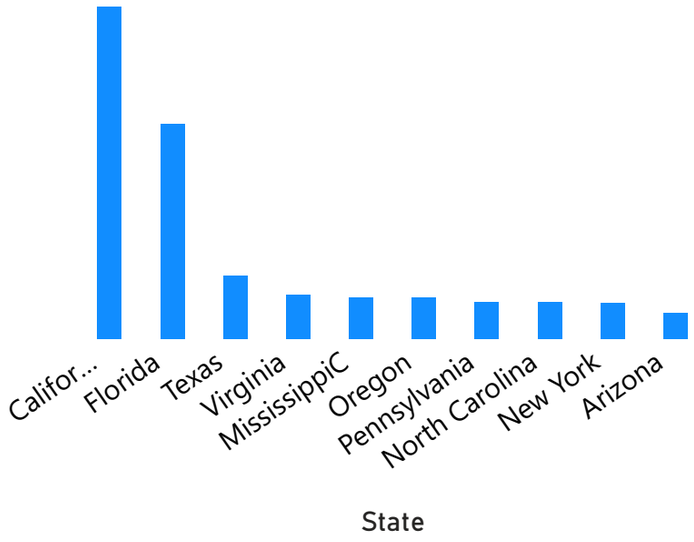
State

- Alabama
- Arizona
- Arkansas
- California
- Colorado
- Connecticut
- Delaware
- District of Columbia
- Florida
- Georgia
- Idaho
- Illinois
- Indiana
- Iowa
- Kansas
- Kentucky
- Louisiana

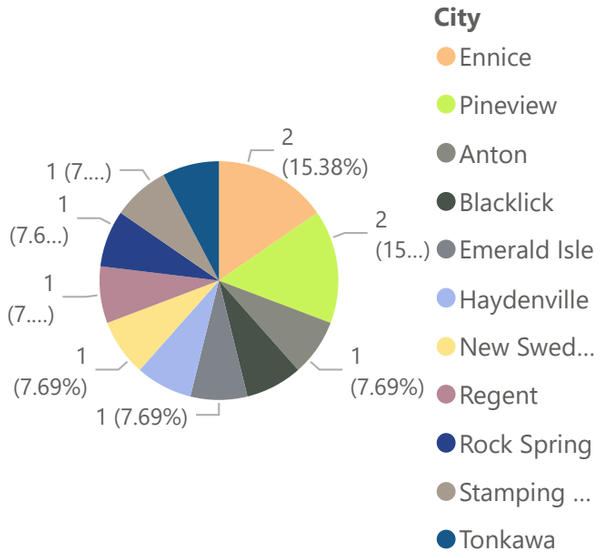
Visibility(mi) by City



Wind_Chill(F) by State



Weather_Condition by City



City

- Aaronsburg
- Abbeville
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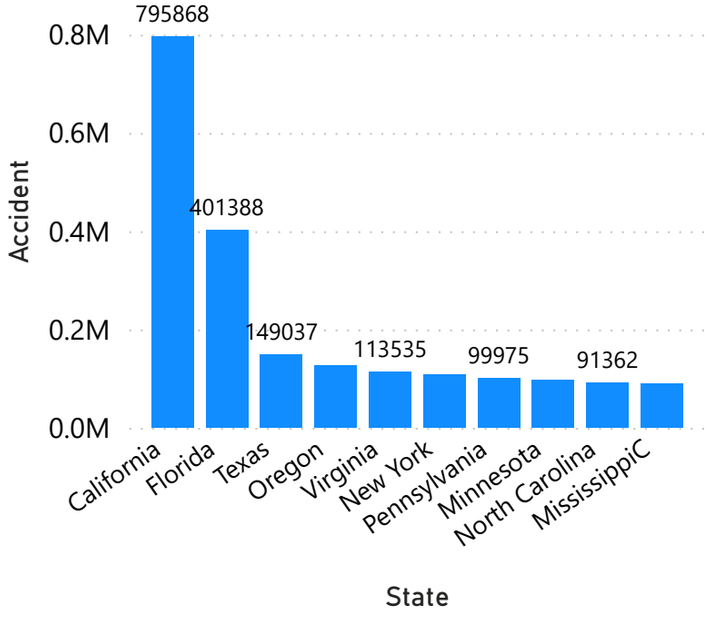
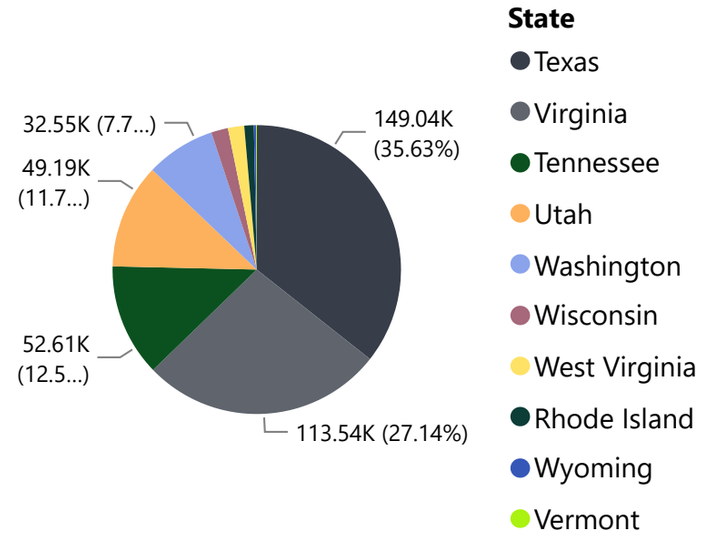
- Abbottstown
- Aberdeen
- Aberdeen Proving Grou...
- Abernathy
- Abilene
- Abingdon
- Abington
- Abrams
- Absarokee
- Absecon
- Acampo
- Accident
- Accokeek
- Accomac

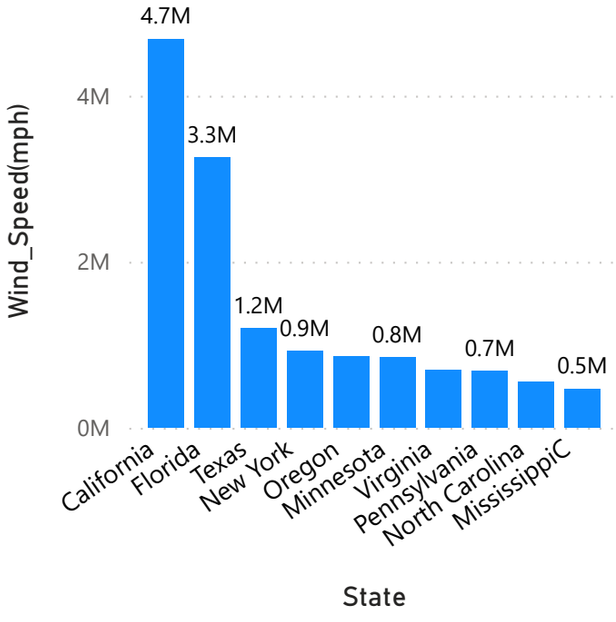
Accident by State



Wind_Direction by State



Wind_Speed(mph) by State



Zipcode

- 01001
- 01005-9392
- 01007-9524
- 01007-9725
- 01008
- 01008-9615
- 01010
- 01010-9506
- 01010-9672
- 01011-9652
- 01011-9688

City

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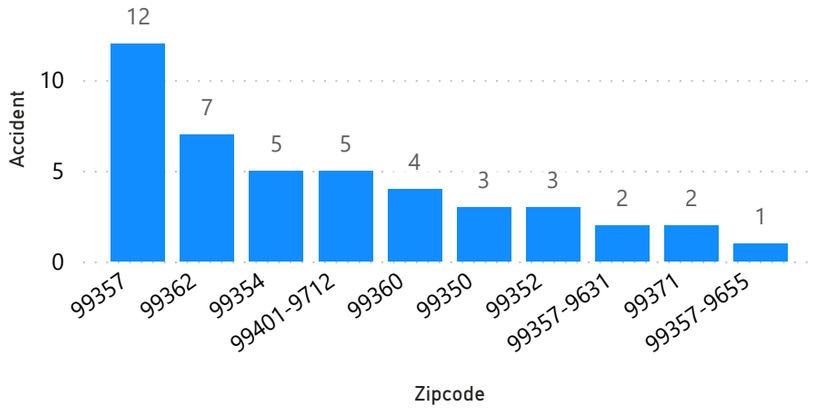
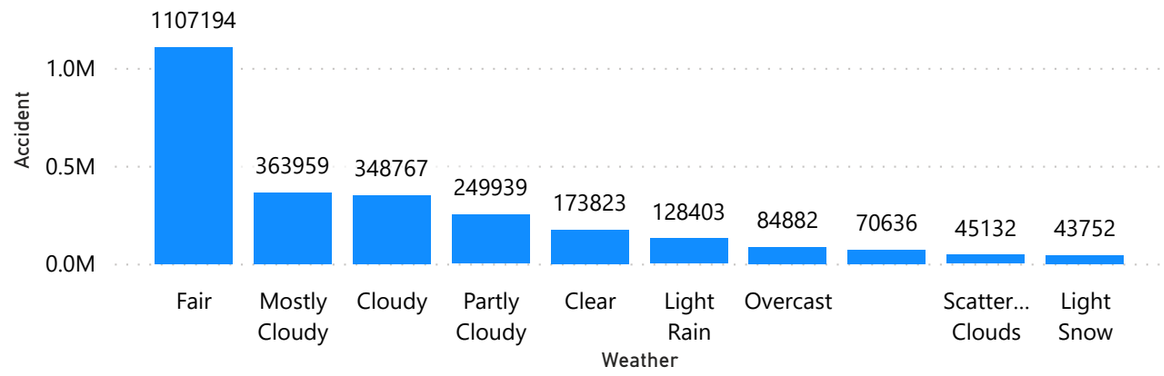
- Abingdon
- Abington
- Abrams
- Absarokee
- Absecon
- Acampo
- Accident
- Accokeek
- Accomac
- Accord
- Ackerman
- Ackworth

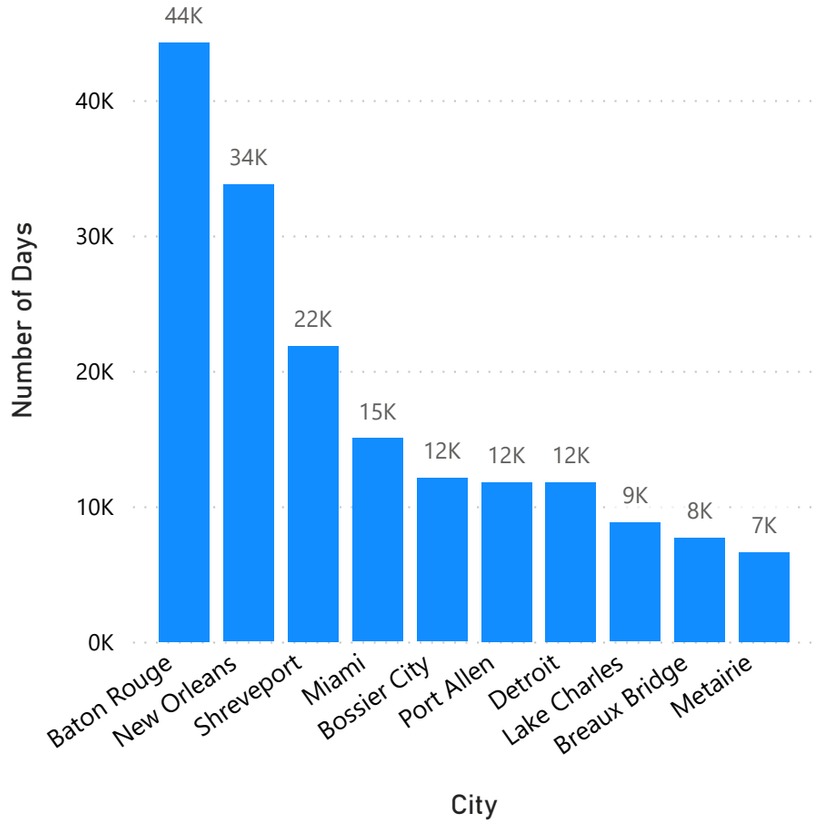
Accident by Zipcode



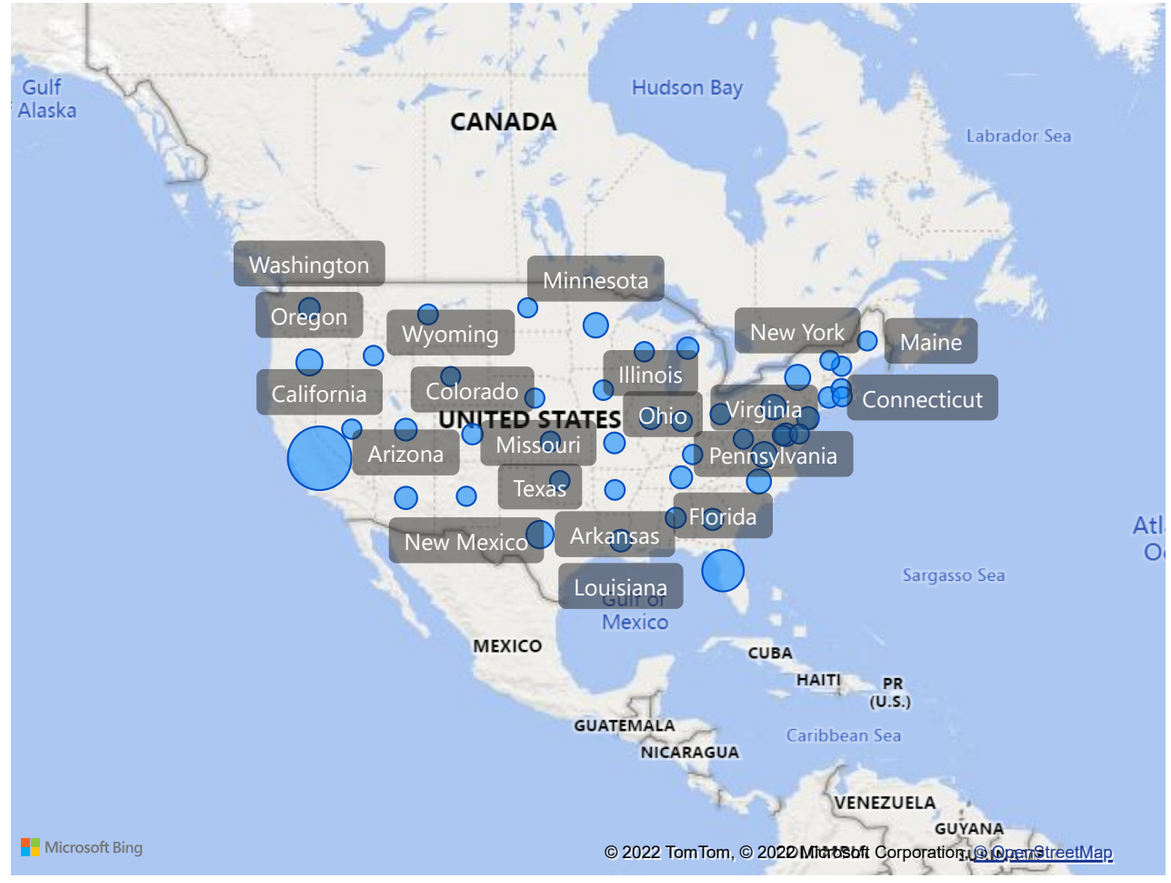
Accident by Weather



Number of Days by City



Accident and Severity by State



Visualization Summary Report

1. At 106966, Miami had the highest Accident_Counter and was 369.81% higher than Minneapolis, which had the lowest Accident_Counter at 22768.

2. Miami accounted for 23.77% of Accident_Counter.

3. Across all 10 City, Distance(mi) ranged from 10,679.50 to 38,491.13.

4. Accident_Counter and total Humidity(%) are positively correlated with each other.

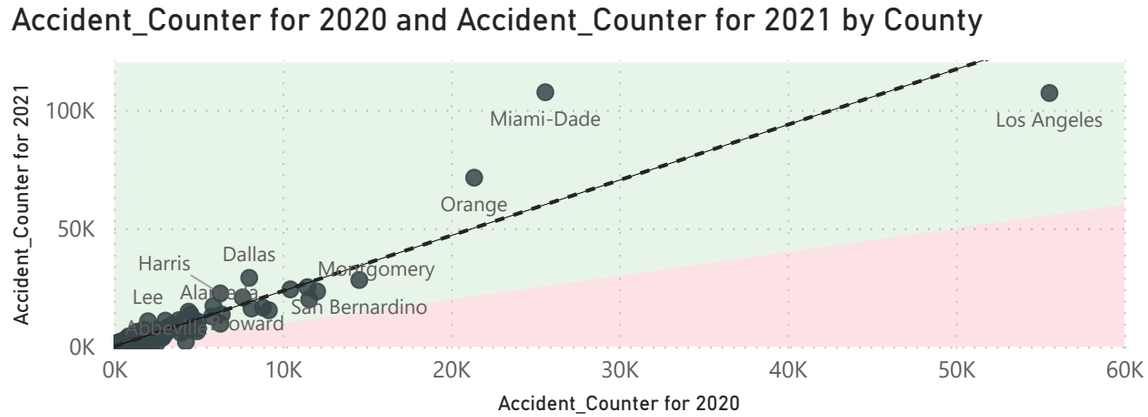
5. Humidity(%) and Accident_Counter diverged the most when the State was California, when Humidity(%) were 44696825 higher than Accident_Counter.

6. Accident_Counter trended up, resulting in a 1,138.89% increase between 2016 and 2021.

7. Accident_Counter has had no change in trend since 2019.

8. Miami accounted for 24.86% of Precipitation(in).

9. Across all 10 City, Temperature(F) ranged from 1,309,015.70 to 8,323,418.50.

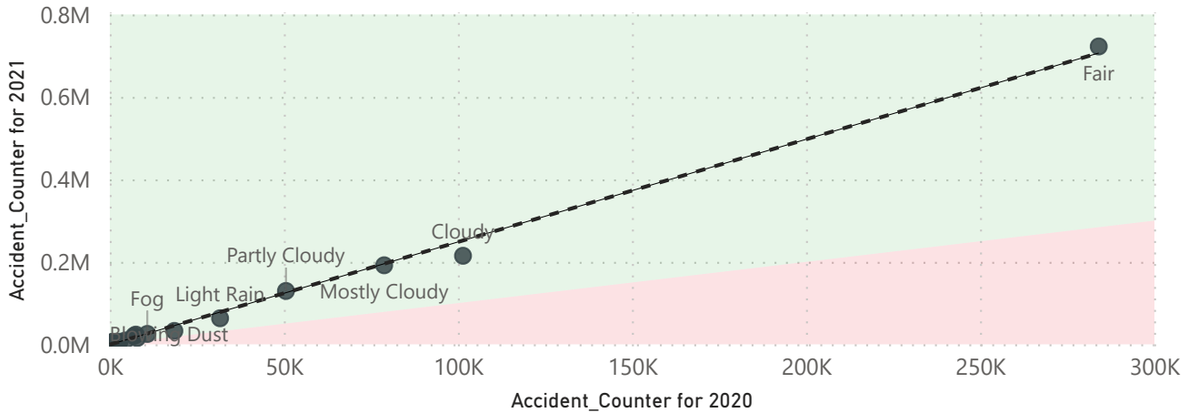


10. At 795868, California had the highest Accident_Counter and was 792.07% higher than MississippiC, which had the lowest Accident_Counter at 89216.

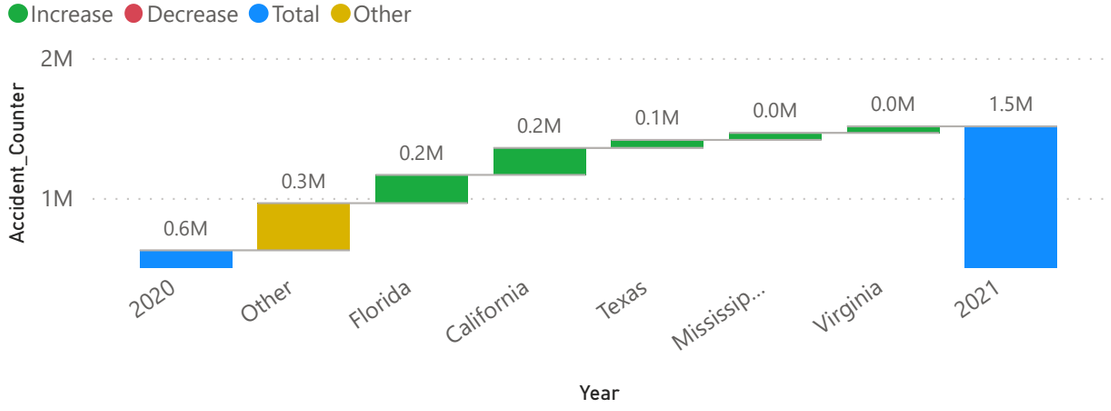
11. California accounted for 38.41% of Accident_Counter.

12. Across all 10 State, Accident_Counter ranged from 89216 to 795868.

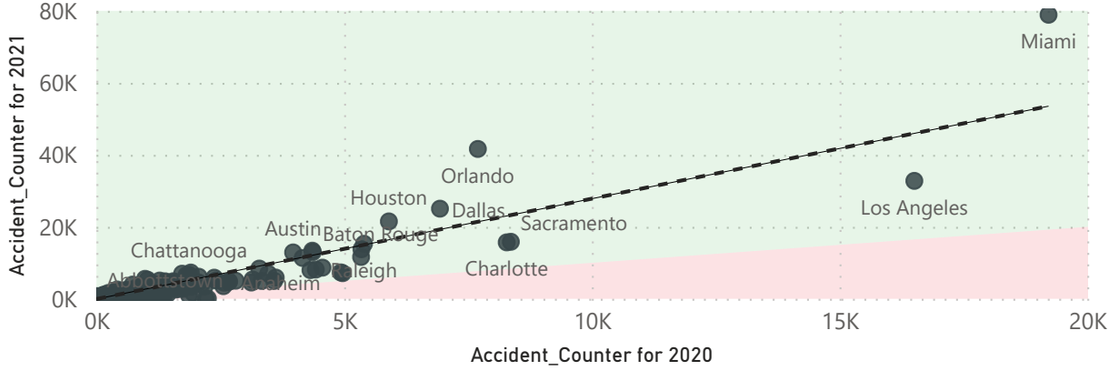
Accident_Counter for 2020 and Accident_Counter for 2021 by Weather_Condition



Accident_Counter by Year and State



Accident_Counter for 2020 and Accident_Counter for 2021 by City



Summarized Report

Miami accounted for 23.56% of Severity.

At 234122, Los Angeles had the highest Accident and was 464.48% higher than Montgomery, which had the lowest Accident at 41476.Los Angeles accounted for 28.57% of Accident.

Across all 10 County, Accident ranged from 41476 to 234122.

At 106966, Miami had the highest Accident and was 369.81% higher than Minneapolis, which had the lowest Accident at 22768.

Miami accounted for 23.77% of Accident.

Across all 10 City, Accident ranged from 22768 to 106966.

At 38,491.13, Miami had the highest Distance(mi) and was 260.42% higher than Phoenix, which had the lowest Distance(mi) at 10,679.50.
Miami accounted for 20.53% of Distance(mi).

Across all 10 City, Distance(mi) ranged from 10,679.50 to 38,491.13.

Analysis and Visualization of the coefficient of variation between the input and output variables. These show a positive correlation between accident and all other independent variables.

0.97

Wind_Speed(mph) and Accident Correlation for City

0.79

Precipitation(in) and Accident Correlation for City

1.00

Visibility(mi) and Accident Correlation for City

1.00

Zipcode Correlation for City

1.00

Pressure(in) and Accident Correlation for City

1.00

Weather_Condition and Accident Correlation for City

0.99

Humidity(%) and Accident Correlation for City

0.99

Temperature(F) and Accident Correlation for City

0.98

Wind_Chill(F) and Accident Correlation for City

Number of Accidents by States (Top 10)

State	Accident_Counter
California	795868
Florida	401388
Texas	149037
Oregon	126341
Virginia	113535
New York	108049
Pennsylvania	99975
Total	**2754028**