

Air Pollution

Introduction	AQI by Pollutant	Weekly Average AQI Levels	Yearly Average AQI Levels	Average AQI Over Time, by State	Pollutant Levels by State	Co 1st Maximum V..
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U.S. Air Pollution

This dataset covers U.S. air pollution from 2011-2015.

O3
Ozone

CO
Carbon monoxide

SO2
Sulfur dioxide

NO2
Nitrogen dioxide

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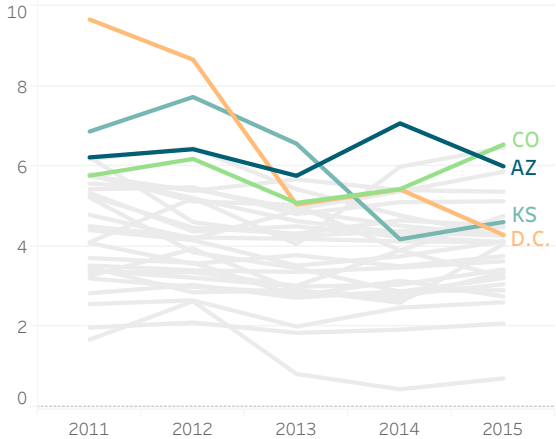
Air Quality Index (AQI) by Pollutant

Highlights which four states have the highest AQI levels from 2011-2015, per pollutant.

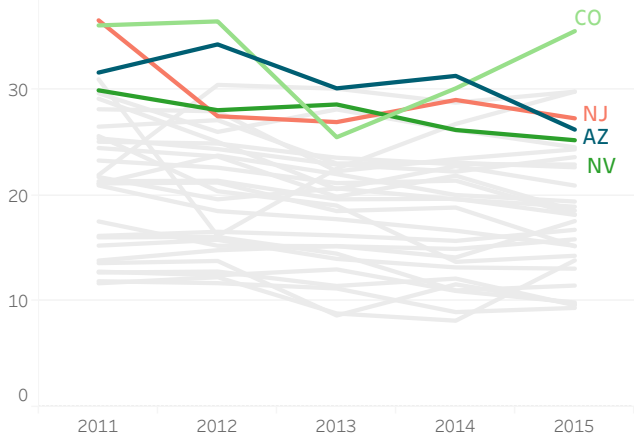
Regions

- Midwest
- Northeast
- South
- West

Co AQI



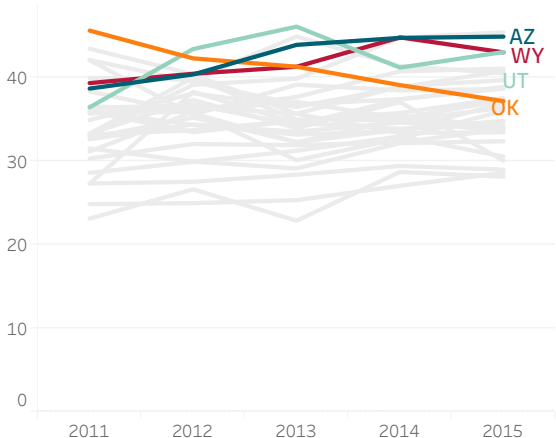
No2 AQI



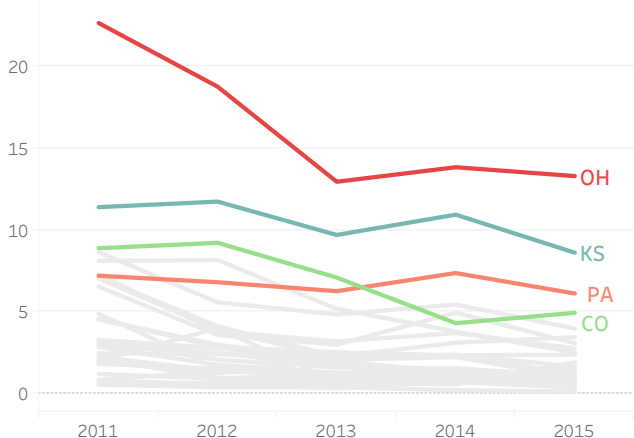
Year

- 2011
- 2012
- 2013
- 2014
- 2015

O3 AQI



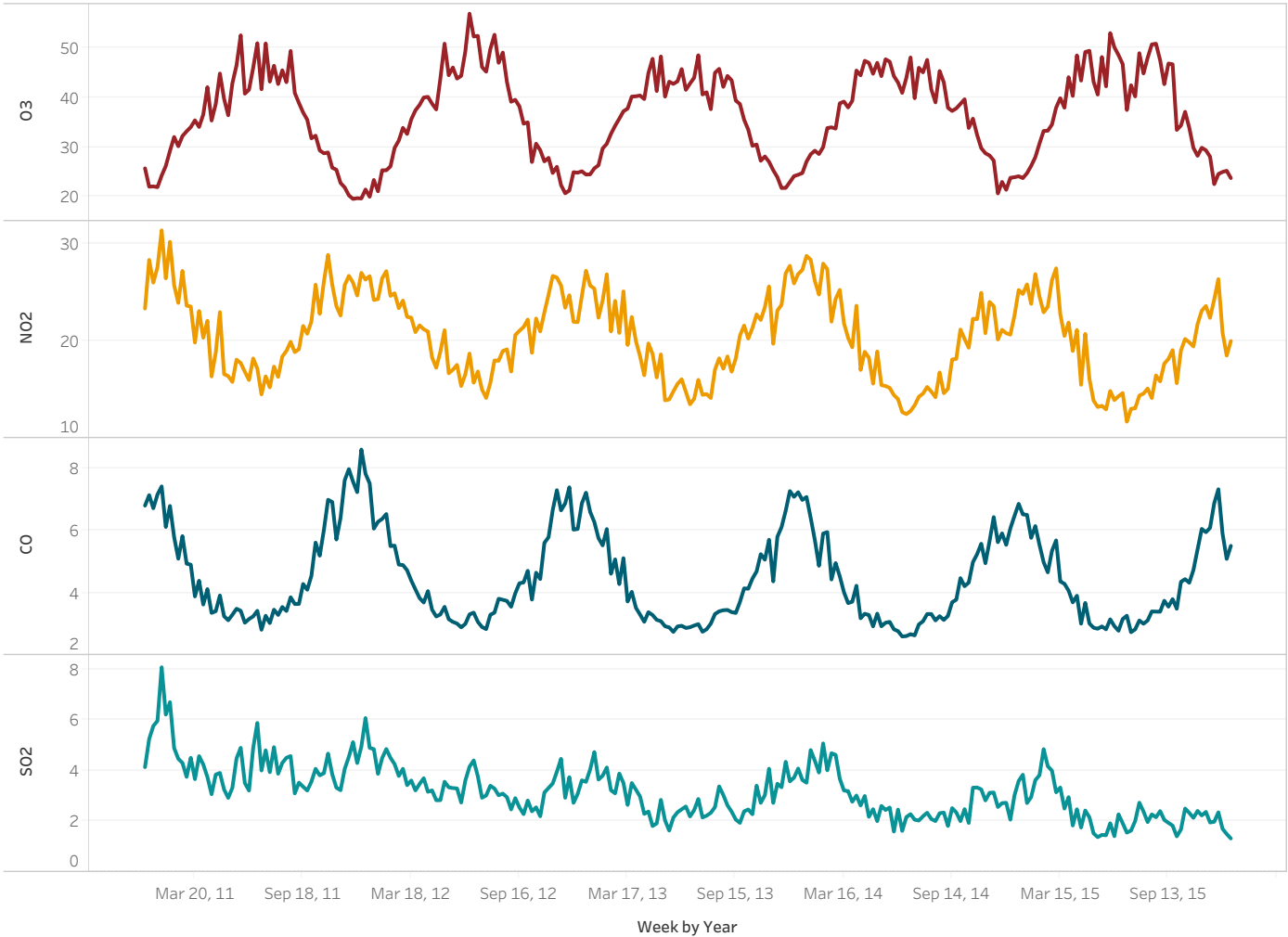
So3 AQI



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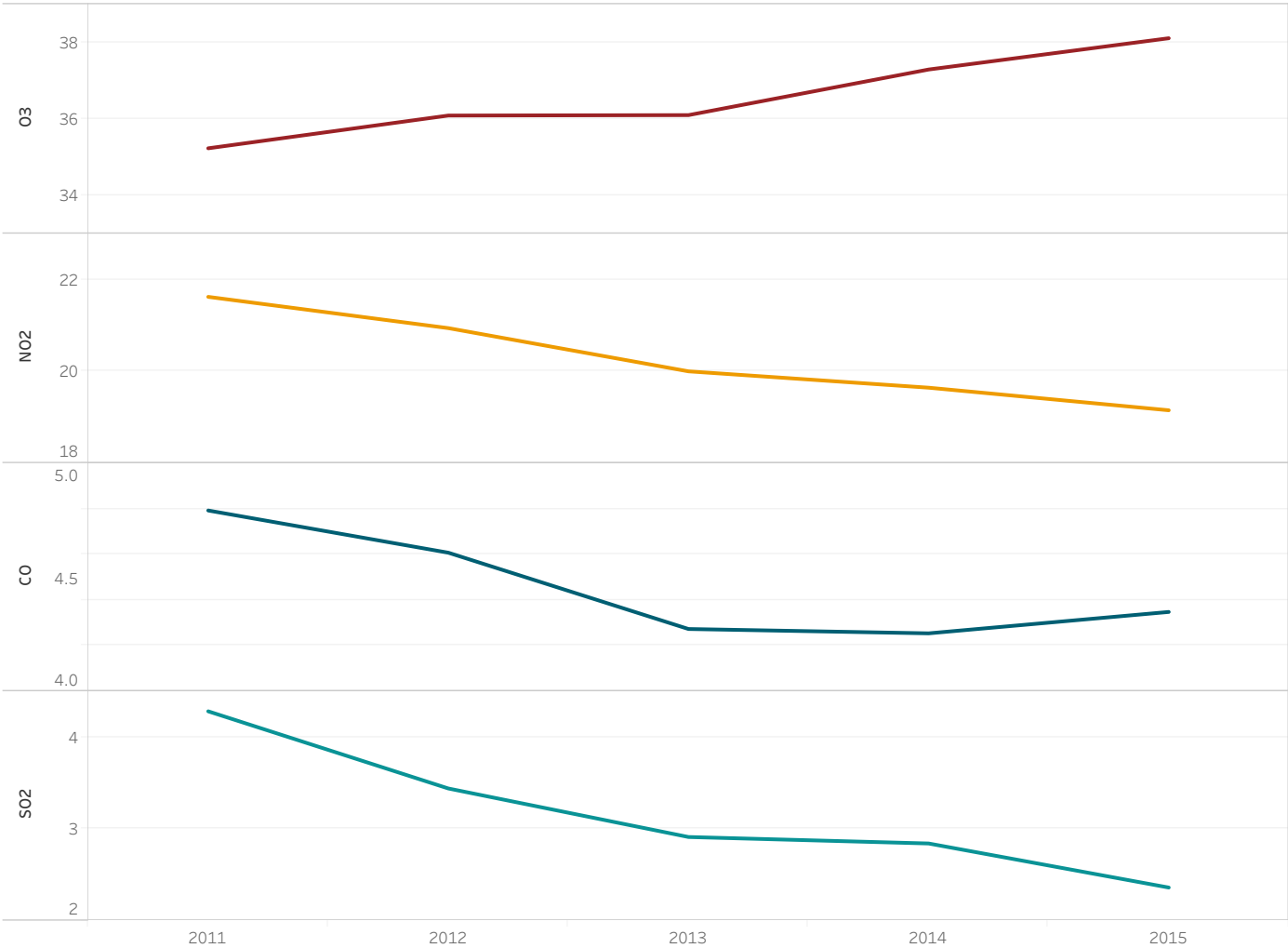
Weekly Average Air Quality Index Levels
Changes in weather leading to fluctuating air quality



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Average Air Quality Index (AQI) Levels Over Years
Average Air Quality of O3 Has Increased While NO2, CO, And SO2 Has Decreased



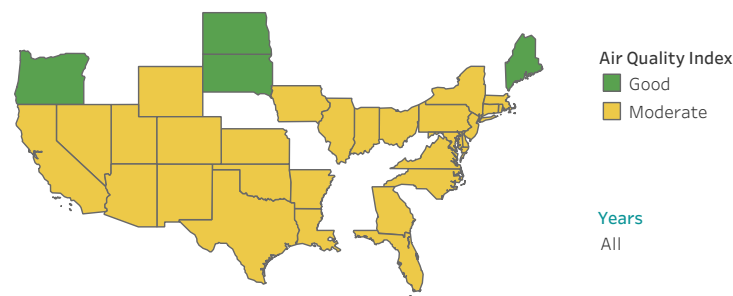
Air Pollution

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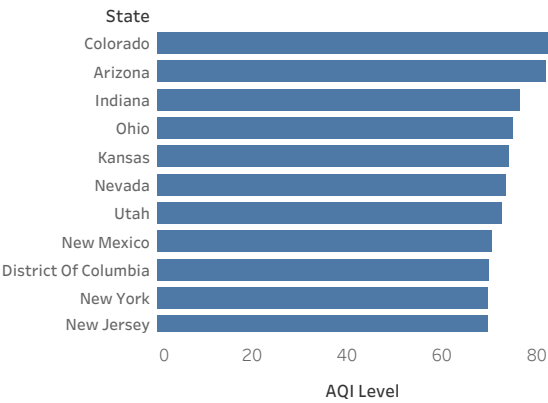
Air Quality Index (AQI) by State over time

Overall, there has been a generally moderate AQI across the country

Average AQI by State



States Ranked by AQI



AQI Levels

State	CO	O3	SO2	N02
Arizona	6	43	2	31
Arkansas	6	35	3	22
California	6	38	1	20
Colorado	6	38	6	32
Connecticut	3	38	2	16
Delaware	4	36	3	21
District Of Columbia	7	34	4	25
Florida	5	35	1	12
Georgia	5	35	2	24
Illinois	5	36	6	21
Indiana	4	40	11	21
Iowa	3	34	1	14
Kansas	6	34	11	24
Louisiana	2	24	4	22

Air Pollution

Weekly Average AQI Levels	Yearly Average AQI Levels	Average AQI Over Time, by State	Pollutant Levels by State	Co 1st Maximum Value	So2 1st Maximum Value	O3 1st Maximum Value
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Pollutant Levels by State

Each map shows the maximum mean value of each pollutant over 1 day for each state.

Filters

Region

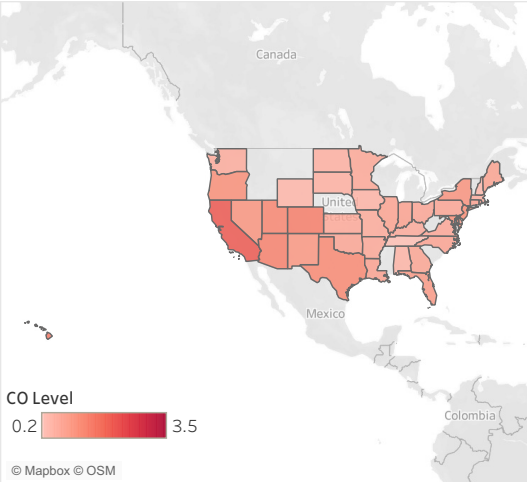
- Midwest
- Northeast
- South
- West

Year

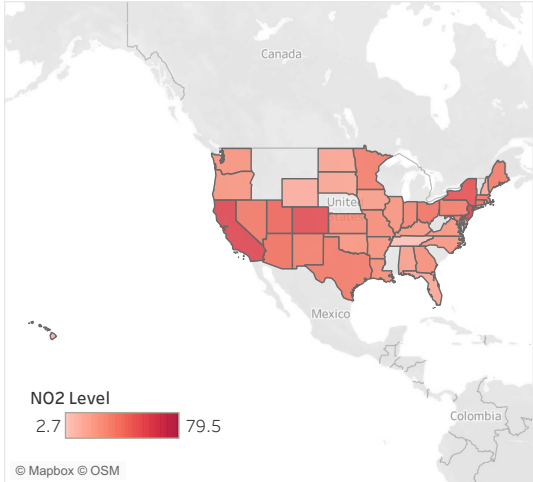
2015

☐ Show history

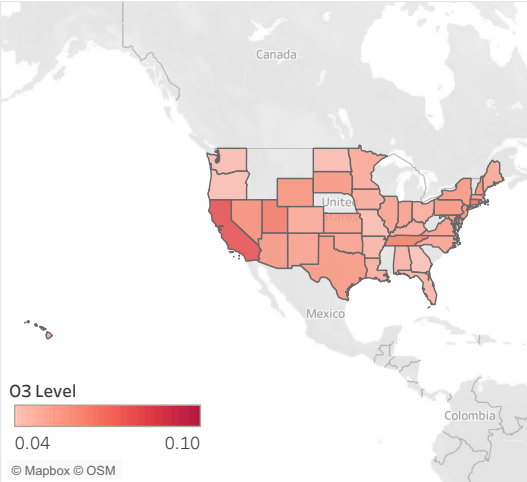
CO



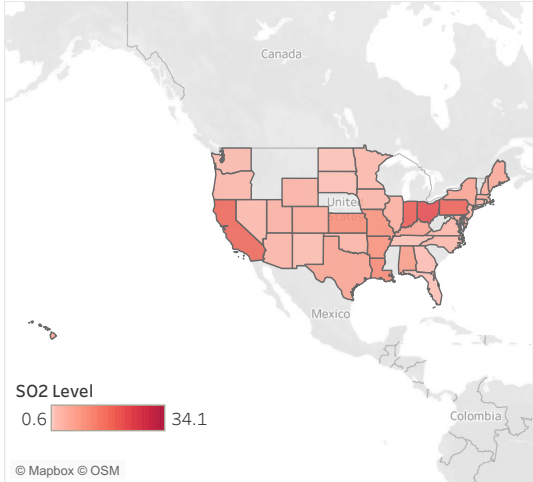
NO2



O3



SO2



Air Pollution

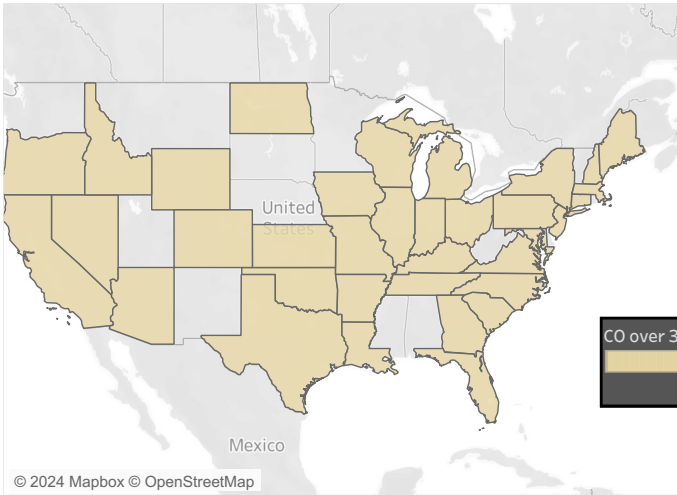
Yearly Average AQI Levels	Average AQI Over Time, by State	Pollutant Levels by State	Co 1st Maximum Value	So2 1st Maximum Value	O3 1st Maximum Value	No2 1st Maximum Vaue
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CO 1st Maximum Value

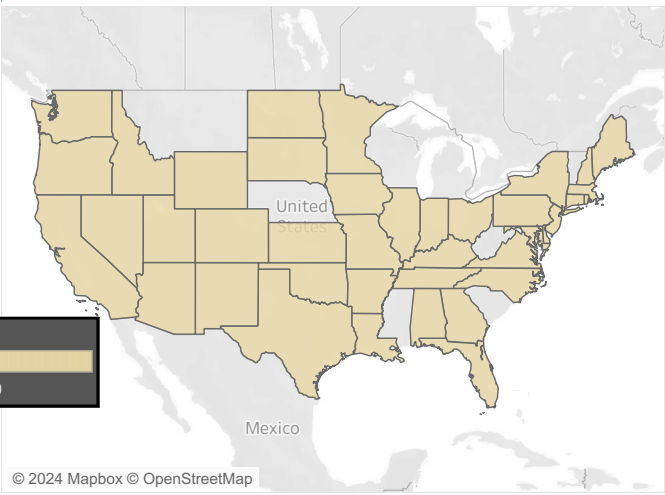
For CO, it should not exceed the maximum standard of 35 ppm more than once a year (0.001%)

1-Hour values are hourly average concentrations of CO measured by monitoring equipment.
The 1st max hour is the highest 1-hour values in the year per site.
The EPA's standard for 1st max 1-hour values is 35 parts per million (ppm).

CO Max Value 2000-2010



CO Max Value 2011-2015



Air Pollution

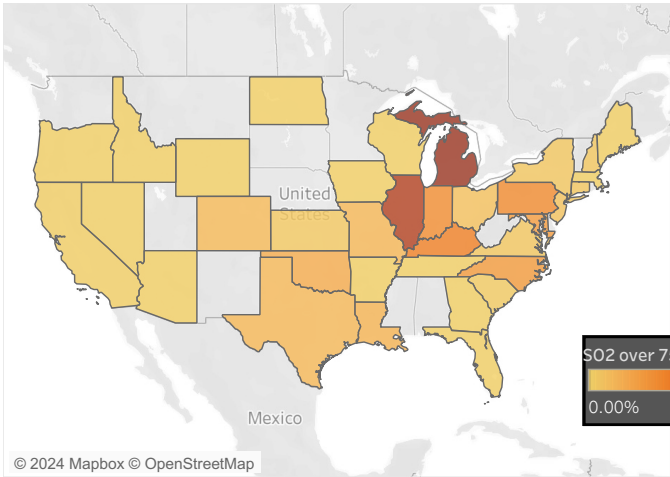
Average AQI Over Time, by State	Pollutant Levels by State	Co 1st Maximum Value	So2 1st Maximum Value	O3 1st Maximum Value	No2 1st Maximum Vaue	Seasonal Pollutant Change
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SO2 1st Maximum Value

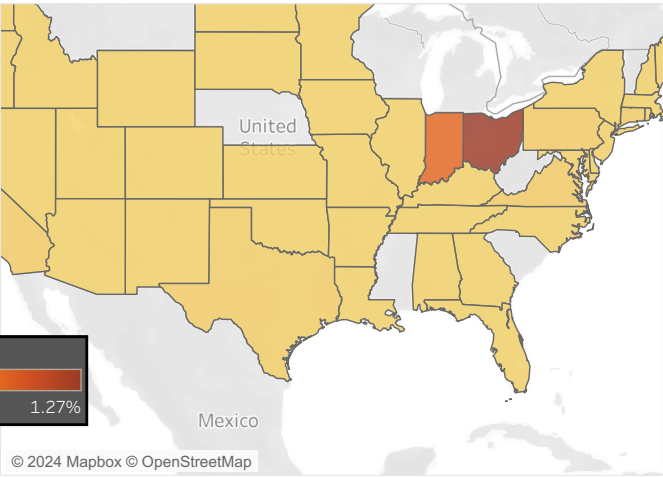
For SO2, it should not exceed the maximum standard of 75 ppb more than once a year (0.001%)

1-Hour values are hourly average concentrations of SO2 measured by monitoring equipment.
The 1st max hour is the highest 1-hour values in the year per site.
The EPA's standard for 1st max 1-hour values is 75 parts per billion (ppb).

SO2 Max Value 2000-2010



SO2 Max Value 2011-2015



Air Pollution

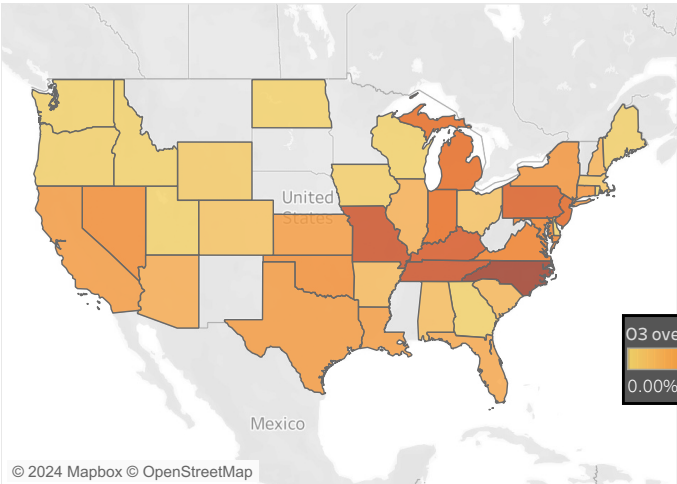
Average AQI Over Time, b...	Pollutant Levels by State	Co 1st Maximum Value	So2 1st Maximum Value	O3 1st Maximum Value	No2 1st Maximum Vaue	Seasonal Pollutant Change
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O3 1st Maximum Value

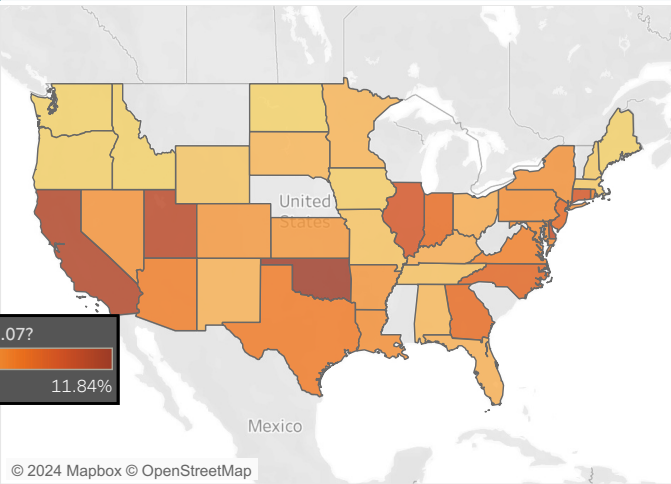
For O3, it should not exceed the maximum standard of 0.07 ppm more than once a year (0.001%)

1-Hour values are hourly average concentrations of O3 measured by monitoring equipment.
The 1st max hour is the highest 1-hour values in the year per site.
The EPA's standard for 1st max 1-hour values is 0.07 parts per million (ppm).

O3 Max Value 2000-2010



O3 Max Value 2011-2015



Air Pollution

Average AQI Over Time, b...	Pollutant Levels by State	Co 1st Maximum Value	So2 1st Maximum Value	O3 1st Maximum Value	No2 1st Maximum Vaue	Seasonal Pollutant Change
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NO2 1st Maximum Value

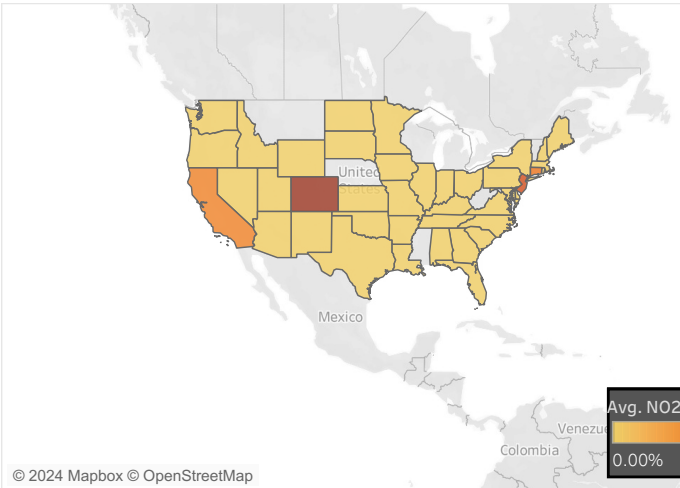
For NO2, it should not exceed the maximum standard of 100 ppb more than once a year (0.001%)

1-Hour values are hourly average concentrations of NO2 measured by monitoring equipment.

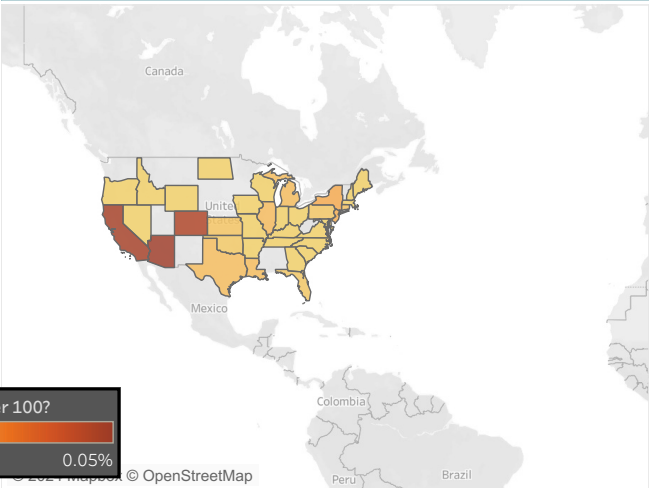
The 1st max hour is the highest 1-hour values in the year per site.

The EPA’s standard for 1st max 1-hour values is 100 parts per billion (ppb).

NO2 1st Max. Value 2000-2010



NO2 1st. Max Value 2011-2016



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Average AQI Over Time, b...	Pollutant Levels by State	Co 1st Maximum Value	So2 1st Maximum Value	O3 1st Maximum Value	No2 1st Maximum Vaue	Seasonal Pollutant Change
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Seasonal Pollutant Change

Each map depicts the average pollutant level in the U.S. from 2011-2015. Every line is the U.S. average for that given month and year.

Filter

2011

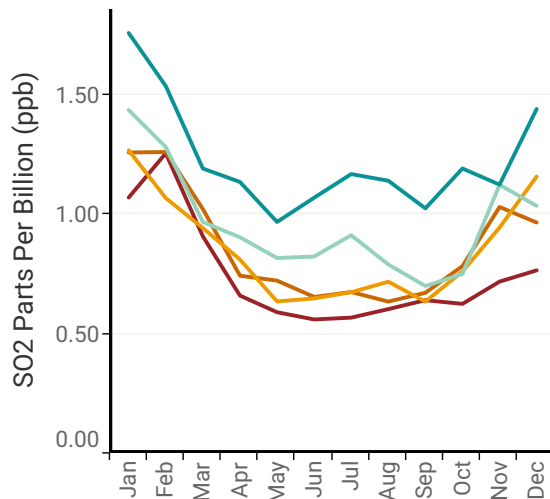
2012

2013

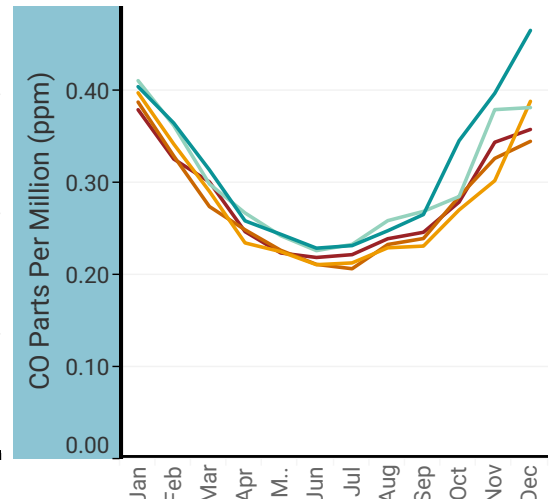
2014

2015

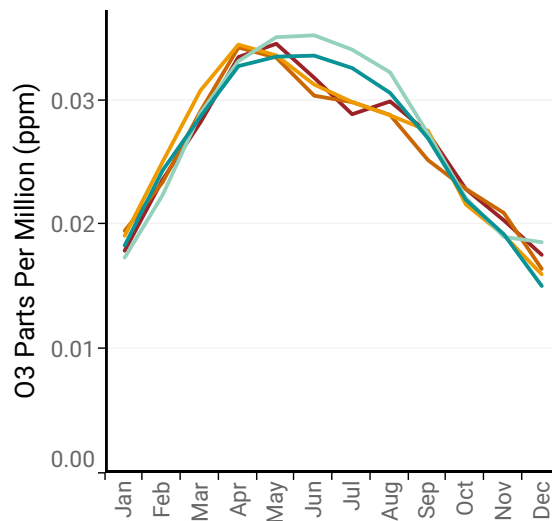
Seasonal SO2 Levels by Year



Seasonal CO Levels by Year



Seasonal O3 Levels by Year



Seasonal NO2 Levels by Year

