

# CSE 412 Assignment 5 Visualization 1a

Link to the Observable Notebook: <https://observablehq.com/d/c675a1cee09a5c04>

## Dataset

The data set used for this visualization comes from [Our World In Data](#). In particular, it comes from [this article](#), which sought to answer questions such as: "How much CO2 does the world emit?" and "Which countries emit the most CO2?" The data set is updated regularly and includes data on CO2 emissions (annual, per capita, cumulative and consumption-based), other greenhouse gases, energy mix, and other relevant metrics. The data set itself can be found here: <https://github.com/owid/co2-data/blob/master/README.md>

## Question

The question this visualization intends to answer is: "For the top ten countries leading the world's decarbonization mission, what has their trend been in total CO2 emissions since the beginning of the 21st century?"

## Visualization

Users can use the drop down menu to select one of eleven countries to visualize, these countries include the United States, as well as the top ten countries leading the world's decarbonization mission, as listed by [climatetrade.com](#). Hover over each bar to see the year and the total emissions for the given country in that year.

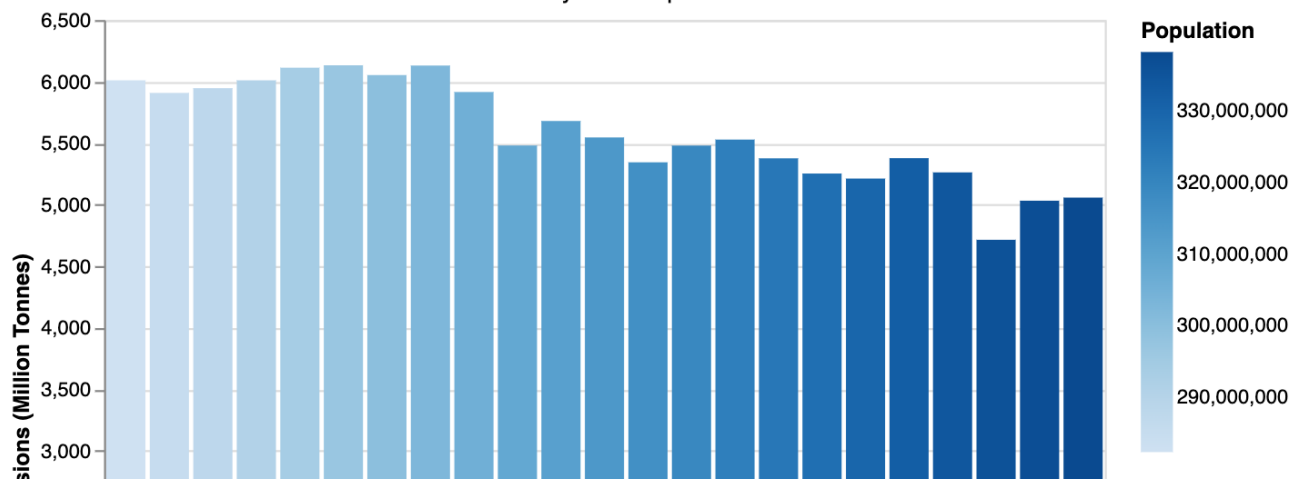
Country to Visualize:

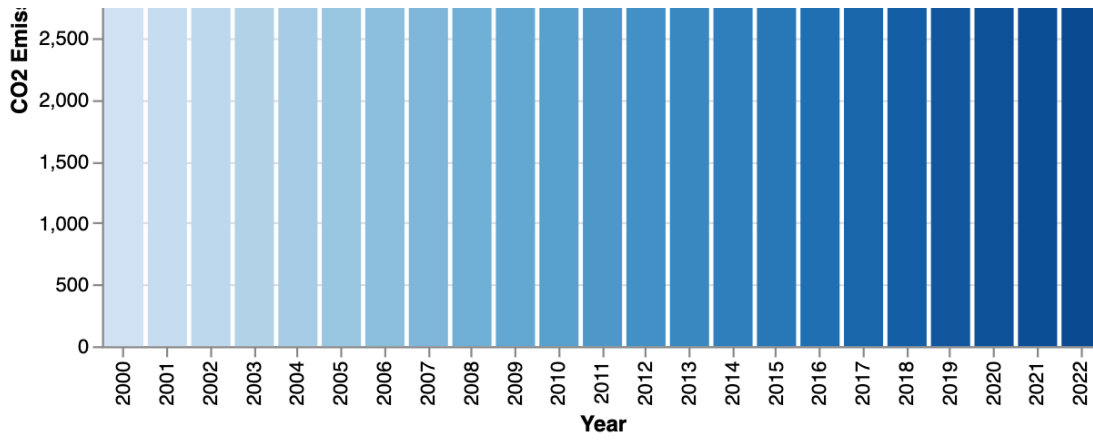
United States



United States's Total CO2 Emmissions Per Year Since 2000

Colored by Total Population





## Imports

```
import {vl} from "@vega/vega-lite-api-v5"
```

## Data Attachments

```
co2Data = ► Array(48058) [Object, Object, Object, Object, Object, Object, Object, Object, Object, Obj
```

