CS405 HW1 Report

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The dataset that I used for this homework is “Kaba intihar hızı”. The dataset has statistics of years 2022-1975 but, I only have years 2022-2011 in my visualization. I keep the data in a static array.

A screenshot of a computer code

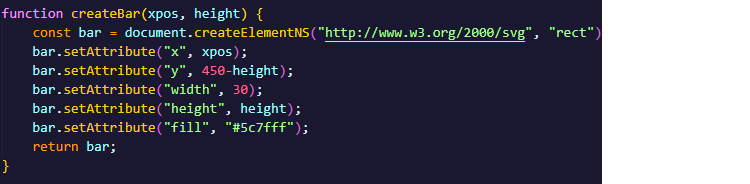
Description automatically generated

(Years 2004-2010 are commented out but they would get drawn if they were not commented out)

A screenshot of a computer program

Description automatically generated

The x-axis, y-axis, the ticks for x-axis and the labels for the x-axis are created as such. The only element that is not static here is the y-axis.

I don’t have a JavaScript file but instead I wrote the script codes inside the html file. In that script part I have a function that creates bars in the bar chart. 

And I call this function for each element in the static years list: A computer screen shot of a code

Description automatically generated

The xpos value is dependent on the index of the year. The height value is dependent on the number of suicides in that particular year. I set the “y” of the new elements in accordance with their height.

Then for every year, I create a year label, a tick in between labels, and I also create a text that displays the value and I put this text inside the bar. A computer code with colorful text

Description automatically generated

Here I create the year label for every input.

A screen shot of a computer code

Description automatically generated

Here I create the ticks in between the labels.

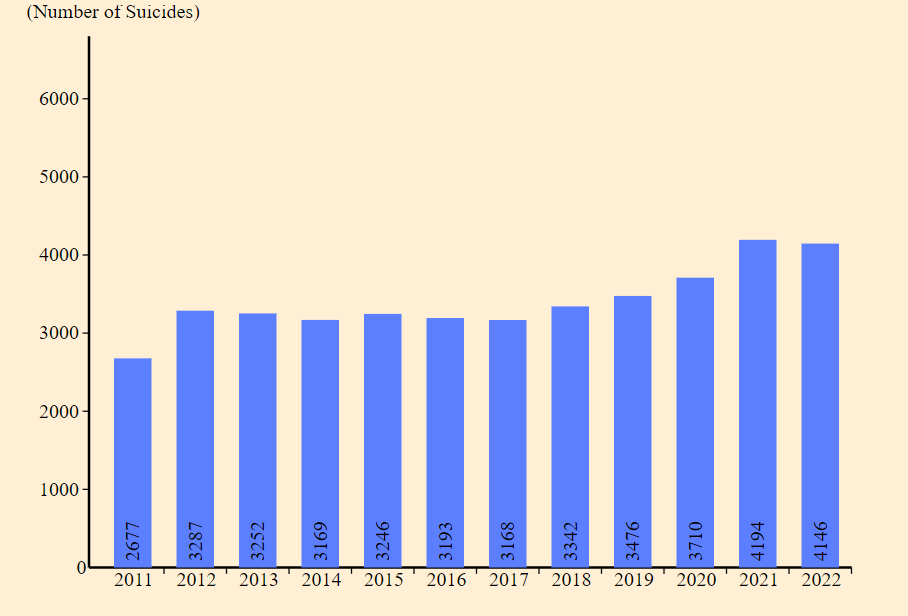
A computer code with colorful text

Description automatically generated

Here I create the texts that appear inside the bars. I use the “transform“ attribute to rotate the numbers.



Here I elongate the y-axis for every input.



This here is the visualization I get when I comment out the years 2004-2010.

A graph of blue bars

Description automatically generated with medium confidence

And this here is the bar chart visualization of the suicide numbers of years 2004-2011.