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Hate Crime in America

Hate crime in the United States of America is an ugly reality that often times isn't understood or even reported. Our group decided to look into this awful subject matter and see what we could learn about the topic. We were able to get our data set from <https://github.com/emorisse/FBI-Hate-Crime-Statistics> - after looking at the data we thought up with 3 questions that we wanted to answer from the data.

1. Where do the hate crimes happen most often?
2. What types of hate crimes are reported to the FBI?
3. Do all states report hate crimes to the FBI?

With these questions in mind, we wanted a way to visualize our data from the FBI. Using a json script for a map of the United States, we then linked the file to D3. This allowed us to develop a map of the United States that gave the user mouse over interactions. After that, dove deeper into the data and knew we needed to create different categories. These categories were to show the different types of hate crimes that are reported across the US. For these numbers, we performed calculations using the data. Adding up each attribute and dividing by 100,000 to give each state it's numeric value per 100k. In order to visualize these categories, we used colors for each channel. We choose colors for each attribute and we decided on preventing the colors from being biased themselves. We chose blue for the home screen since it naturally displays well. Green was chosen for race, orange chosen for religion, purple for sex, red for ethnicity, greyscale for disability, purple again for gender due to the inherent relation to sex, and greyscale again for gender identification.

The categories are neatly grouped together under a master drop-down menu on the top right of the page. This allows for the user to specifically choose which type of hate crime they wish to display. On the

other side of the page we have another menu, this is the navigation of the site. The navigation menu allows the user to navigate to the write up, video, and about sections of the website.

Now that a fully functioning visualization is created – the answers to the previously stated questions should start to materialize. The questions were -

1. Where do the hate crimes happen most often?
2. What state has the least amount of hate crime reported?
3. Do all states report hate crimes to the FBI?

Looking at the map, the answer to the first question can now be answered – Delaware. The smallest state of the country reports 15.4214 hate crimes per 100k people. The next question is to discover what state has the least amount of hate crime reported. The answer from the data set is Texas, with 1.3668 hate crimes reported per 100k. However, there are states that do not report their hate crimes at all to the FBI. This gives them a value of 0. Hawaii, New Mexico, North Dakota, South Dakota, North Carolina, South Carolina, West Virginia, New Jersey, New York, and New Hampshire all do not report hate crimes to the FBI. There is a total of 9 different states that aren't reporting the hate crimes that take place. As a group, we found that to be alarming.

In closing, using D3 and our data set we were able to visualize hate crime across our country. The different types of hate crime and which states are reporting these crimes. Our questions were answered through using the visualization. We hope to inspire others to learn more about this topic and help those who may be affected by hate crime in the United States of America.