Artifact 1: NYC Open Data Deaths Project

Overview (1 - 2 paragraphs)
In this project data needs to be displayed in a unique way for the audience. These ways could include making charts, cards, or even graphs. By describing where the information comes from, and also what it means, the website can give you a very good picture of the causes of death of the people in New York City from 2007-2014, as well as their ethnicity. It also describes how the agency that gave the research, the DOHMH, investigates suspicious illnesses themselves to make NYC safer.

Technology (1 - 2 paragraphs)
This project involved combining HTML, CSS, and JS in order to create a website that looked unique from others. The HTML was used to make the framework of the website, as well as to have a backdrop for the Javascript to function in. The Javascript involved for loops and if statements in order to cycle through all of the data in the JSON provided, and it also included adding internal HTML to different divs. The CSS was used to make cards that could display some of the information that came directly from the JSON in an easy-to-see format, and also to change the look of those cards when the user hovered over them and the card flipped. The project used the c3 library to create charts, with a drop down selection menu to select what chart the user wanted, and an accurate summary of the data.

Resources
https://replit.com/@seany18/Deaths-Project#index.html

Screenshots

Causes of Death in NY

Homepage

Cards

Causes

Choose a graph: Gauge▾

Click Me!
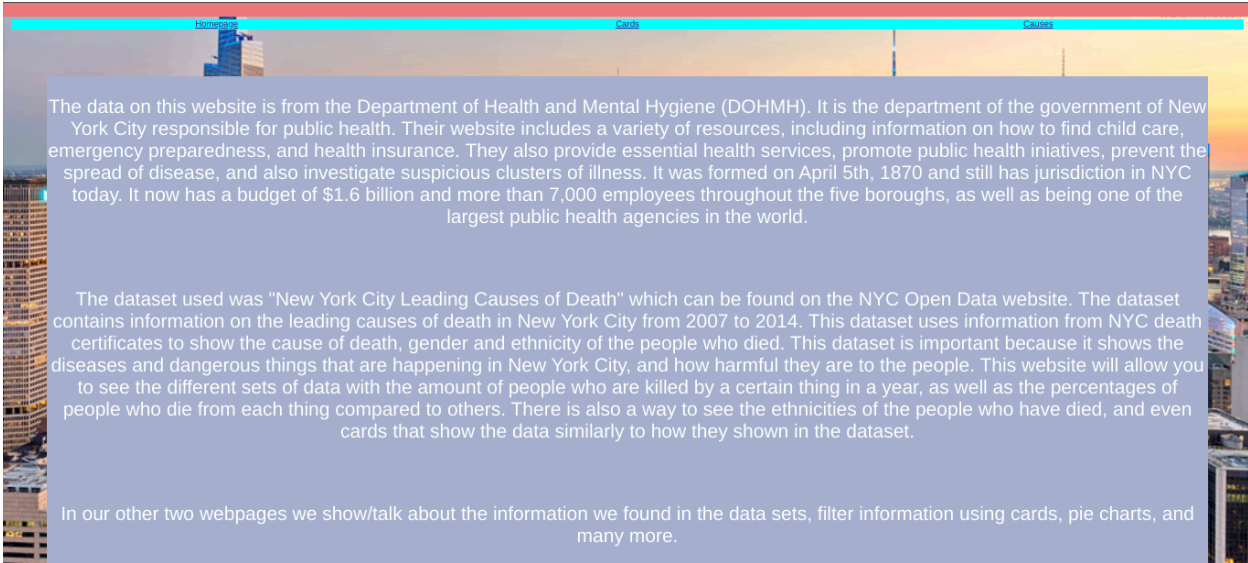
35.1%

18.1%

24.9%

■ Nephritis ■ Cancer ■ Other ■ Stroke ■ Heart Disease ■ Flu and Pneumonia ■ Alzheimer's ■ Essential Hypertension and Renal Diseases ■ Mental and Behavioral Disorders due to Accidental Poisoning and Other Psychoactive Substance Use ■ Certain Conditions originating in the Perinatal Period ■ Liver Disease and Cirrhosis
■ Lower Respiratory Diseases ■ Diabetes ■ Accidents Except Drug Posioning ■ Congenital Malformations, Deformations, and Chromosomal Abnormalities ■ Septicemia ■ Suicide ■ Homicide ■ HIV ■ Hepatitis ■ Insitu or Benign / Uncertain Neoplasms

This graph shows that the most major cause of death in New York City is heart disease followed by cancer. There are a lot of other causes of deaths, but some have killed only a handful of people over the years, such as "Insitu or Benign / Uncertain Neoplasms" which have only killed five people according to the data. Heart disease, however, has killed over 35% of the people in the data and cancer has killed nearly a quarter of them.

Click Me!

100.0%

■ Black ■ White ■ Other ■ Asian and Pacific Islander ■ Unknown

This graph shows the amount of people that are each ethnicity that have died in NYC. Using this, we can also get a better idea of what people lived in NYC during the time period. This graph shows that white people died more than any other group, so there was probably a big portion of white people in the city. As well, the "other" group is probably made up of some hispanic people, and there weren't many "other" people around when the data was taken from.

Homepage

Cards

Causes

The data on this website is from the Department of Health and Mental Hygiene (DOHMH). It is the department of the government of New York City responsible for public health. Their website includes a variety of resources, including information on how to find child care, emergency preparedness, and health insurance. They also provide essential health services, promote public health iniatives, prevent the spread of disease, and also investigate suspicious clusters of illness. It was formed on April 5th, 1870 and still has jurisdiction in NYC today. It now has a budget of $1.6 billion and more than 7,000 employees throughout the five boroughs, as well as being one of the largest public health agencies in the world.

The dataset used was "New York City Leading Causes of Death" which can be found on the NYC Open Data website. The dataset contains information on the leading causes of death in New York City from 2007 to 2014. This dataset uses information from NYC death certificates to show the cause of death, gender and ethnicity of the people who died. This dataset is important because it shows the diseases and dangerous things that are happening in New York City, and how harmful they are to the people. This website will allow you to see the different sets of data with the amount of people who are killed by a certain thing in a year, as well as the percentages of people who die from each thing compared to others. There is also a way to see the ethnicities of the people who have died, and even cards that show the data similarly to how they shown in the dataset.

In our other two webpages we show/talk about the information we found in the data sets, filter information using cards, pie charts, and many more.

Deaths since 2007 to 2014

2009 | Filter By Info Given
Enter Cause | Filter By Info Given

This page has a bunch of different cards by year to show the statistics of how many people die from different things, their sex, and their ethnicity. This way you can see the data that comes from the JSON more directly. In order to interact with this data, simply pick a year from 2007 to 2014 and type it into the text box. Then, press the button to filter the data. After that, just hover your mouse over the cards to see the data. When inputting a cause into the text box, make sure to use the entire name of the cause that is on the year cards for it to work. As well, these buttons do not work inclusively so you can't use them both together to look for a very specific cause of death and year.

Leading Cause of Death: Diabetes Mellitus (E10-E14)	Leading Cause of Death: Chronic Lower Respiratory Diseases (J40-J47)	Leading Cause of Death: All Other Causes	Leading Cause of Death: Influenza (Flu) and Pneumonia (J09-J18)	Leading Cause of Death: All Other Causes	Leading Cause of Death: Diseases of Heart (I00-I09, I11, I13, I20-I51)	Leading Cause of Death: Cerebrovascular Disease (Stroke: I60-I69)
Leading Cause of Death: All Other Causes	Leading Cause of Death: Congenital Malformations, Deformations, and Chromosomal Abnormalities (Q00-Q99)	Leading Cause of Death: Diabetes Mellitus (E10-E14)	**Sex: F** Ethnicity/Race: Other Race/ Ethnicity Deaths: 11	Leading Cause of Death: Cerebrovascular Disease (Stroke: I60-I69)	Leading Cause of Death: Chronic Lower Respiratory Diseases (J40-J47)	Leading Cause of Death: Certain Conditions originating in the Perinatal Period (P00-P96)
Leading Cause of Death: All Other Causes	Leading Cause of Death: Accidents Except Drug Posioning (V01-X39, X43, X45-X59, Y85-Y86)	Leading Cause of Death: Influenza (Flu) and Pneumonia (J09-J18)	Leading Cause of Death: Nephritis, Nephrotic Syndrome and Nephrisis (N00-N07, N17-N19, N25-N27)	Leading Cause of Death: Mental and Behavioral Disorders due to Accidental Poisoning and Other Psychoactive Substance Use (F11-F16, F18-F19, X40-X42, X44)	Leading Cause of Death: All Other Causes	Leading Cause of Death: Accidents Except Drug Posioning (V01-X39, X43, X45-X59, Y85-Y86)
Leading Cause of Death: Malignant Neoplasms (Cancer: C00-C97)	Leading Cause of Death: Diseases of Heart (I00-I09, I11, I13, I20-I51)	Leading Cause of Death: Cerebrovascular Disease (Stroke: I60-I69)	Leading Cause of Death: Essential Hypertension and Renal Diseases (I10, I12)	Leading Cause of Death: Essential Hypertension and Renal Diseases (I10, I12)	Leading Cause of Death: Chronic Lower Respiratory Diseases (J40-J47)	Leading Cause of Death: Diabetes Mellitus (E10-E14)

Deaths since 2007 to 2014

Enter Year 2007 to 2014 | Filter By Info Given
Alzheimer's Disease (G30) | Filter By Info Given

This page has a bunch of different cards by year to show the statistics of how many people die from different things, their sex, and their ethnicity. This way you can see the data that comes from the JSON more directly. In order to interact with this data, simply pick a year from 2007 to 2014 and type it into the text box. Then, press the button to filter the data. After that, just hover your mouse over the cards to see the data. When inputting a cause into the text box, make sure to use the entire name of the cause that is on the year cards for it to work. As well, these buttons do not work inclusively so you can't use them both together to look for a very specific cause of death and year.

Leading Cause of Death: Alzheimer's Disease (G30)	Leading Cause of Death: Alzheimer's Disease (G30)	Leading Cause of Death: Alzheimer's Disease (G30)	Leading Cause of Death: Alzheimer's Disease (G30)	Leading Cause of Death: Alzheimer's Disease (G30)	Leading Cause of Death: Alzheimer's Disease (G30)	Leading Cause of Death: Alzheimer's Disease (G30)
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