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Community health surveys are a fundamental tool of public health practice. Its aim is to describe the health of the community, by presenting information on health status, community health needs, resources, and epidemiologic and other studies of current local health problems. Health surveys include measures of risk factors, health behaviors, and non-health determinants or correlates of health such as socioeconomic status, chronic illness, mental health, and others. I chose this dataset because I work in the health field and know of some of the issues that arises with not having health insurance and dealing with chronic illness. My hope in analyzing this dataset is to show how lack of vital resources and lack of health management can impact our health and well-being.

Mental hygiene and chronic diseases are an increasing problem in the state of New York and around the world. As an African American women diagnose with diabetes was intrigued with the dataset by the CHS (COMMUNITY Health Survey). The New York City Community Health Survey (CHS**)** is a telephone survey conducted annually by the DOHMH (Department of health and mental hygiene), division of Epidemiology (study and analysis of the distribution, pattern and determinants of health and disease condition in a defined population). The survey is an annual sample of approximately 10,000 randomly selected adults aged 18 and older from all five boroughs of New York City on a broad range of chronic diseases and behavioral risk factors in order to tract the health of new Yorkers, influence health program decision, and increase the understanding of the relationship between health behavior and health status.

After doing extensive research on NYC.gov and google, unfortunately I was not able to find other people’s finding on analyzing this dataset, which lead me to believe maybe we are not taking the time to read up or educate oneself about the community that we live in and the health crisis that is plaguing our generations.

In writing the code for this project I was able to refer back to my note and gather information from other online resources such as W2school for python and pandas- python data analysis library to find data structures for storing and manipulating large dataset.

In this project I was able to use five different graph types to analyze the dataset. They were line graph, scattered plot, bar graph, histogram, and box plot. The line graph, bar graph and scattered plot show the relationship between two of the variables in the set. The scattered plot showed the strength of the relationship between the variables and line graph show if there were any slight changes within the years (over time) the survey. Whereas a histogram will show how to analyze the distribution of specific variables in the dataset, showing the frequency over time. Finally, the box plot provides a visual summary of multiple variables in the dataset. It shows the median, upper, and lower quartiles, minimum and maximum values, and any outliers in the dataset.

In conclusion the analysis of this data was successful in giving me an insight into the New Yorker’s health status and how various aspects of having medical care and behavioral patterns can shape one’s health. I also got to learn how to adapt and manipulate codes to get the results and get more comfortable with coding which I deem as a success in itself. I also hope that in doing this project, people are able gain insight on the health disparities and lack of health management in New York city.

Cited

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