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GEOG498

For my project I was thinking about doing something along the lines of did Covid-19 have more of an effect on African Americans than any other race in the state of Maryland. The reason I choose this as my area of focus is because in 2020 Covid-19 shook the world to its core. It effected so many minority groups across the United States. My focus is in Maryland because this is where I'm from and I was curious about the numbers and race of people that are most affected and why. The potential source of data as of right now is the census tract data sets. I will have a data set for overall cases of Covid-19 in Maryland then I will have a data set for just demographics. The study area that I will be using is the state of Maryland. The reason why I am choosing Maryland is because I am from here and I thought it would be interesting to do my project on something based in Maryland. Also I feel like this would be important to do because minorities over the last year and some change have really been the ones to be really affected by Covid-19 so I wanted to do something to represent how minorities specifically African Americans were overall more affected by Covid-19 than other demographics. My primary outcome in this project is to show how Covid-19 affected African Americans. I am going to use a plethora of python tools for my project such as cenpy, rasterio, geopandas, pandas, GDAL. The one I really want to put an emphasis on is the cenpy tool. Also with geopandas I can visualize the maps I want to create. The reason I say this is because since I am using US census data cenpy can really make it

easy for me to get the Census data and work with in Pandas. Some challenges that I foresee happening is merging the demographics data and the Covid-19 data into one. So that I can show both datasets at the same time.