The job I need done is to create a python script to recreate the race dotdensity map on this page: <http://andrewgaidus.com/Dot_Density_County_Maps/> . The specific deliverable that I’m looking for is a jupyter notebook that has the python code as a function I can run that will create this race-based density map based on the right set of dynamic inputs (county/state, density, area, variables).  
  
Note: The source code for this map is available at <https://github.com/agaidus/census_data_extraction/blob/master/census_mapper.py> .  It’s a bit old and I tried to get it to work myself but ran into errors halfway through  
  
In order to do this, you will need to have the geopandas stack and all its package dependencies installed in your dev environment and will need two api keys: one from the US census bureau and one from mapbox. Both are available for free but you have to sign up for them  
  
There is one significant change I want in how this map renders vs. the link above. The reference guide uses matplotlib as the plotting library. Instead of matplotlib, I want to use plotly/mapbox combination (https://plotly.com/python/scattermapbox/) as the charting/mapping layer  
  
I’m looking to get this done asap. It should be no more than a couple of hours for someone familiar with geospatial plotting in pandas  
  
Thanks