Project Name: NC County Statistics

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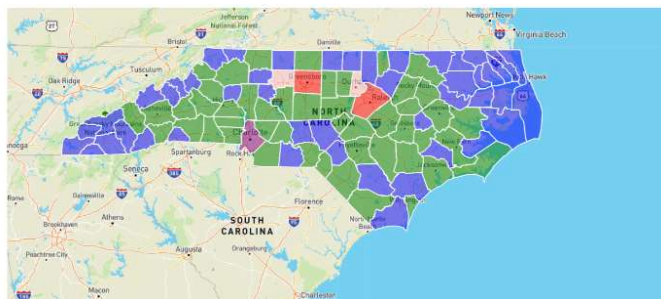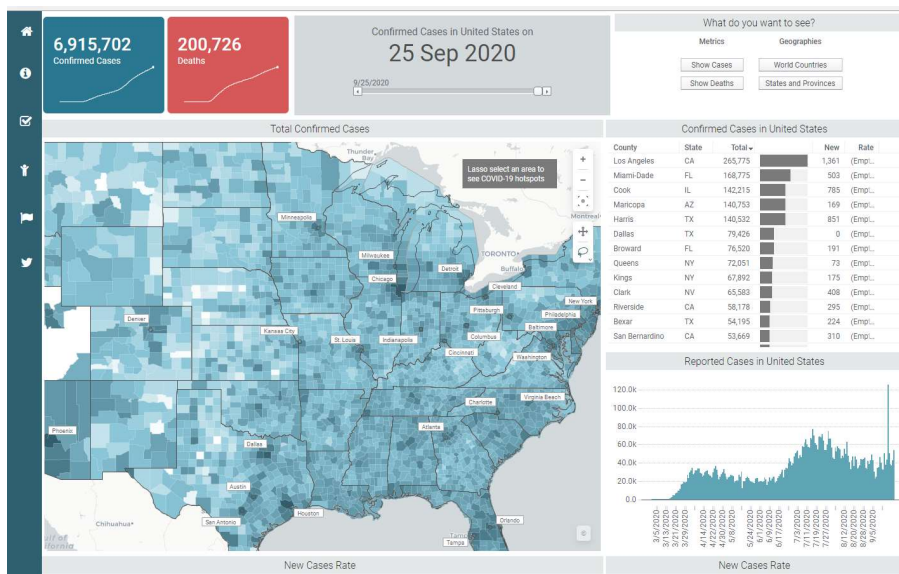
Project Description:

NC county Census data analysis for multiple years. This dashboard will provide visibly into the population and number of employed people for period of years. User will have option to drill down into the data per county in NC to learn more about each county.

Project Rational:

NC Census data provides valuable insight into growth and demographic changes overtime. We will develop consolidated dashboard using various tools and technique. Since we will be looking into historical data compared to new data structure this provide unique opportunity to develop dashboard with various data structures.

Screenshot of the metadata:
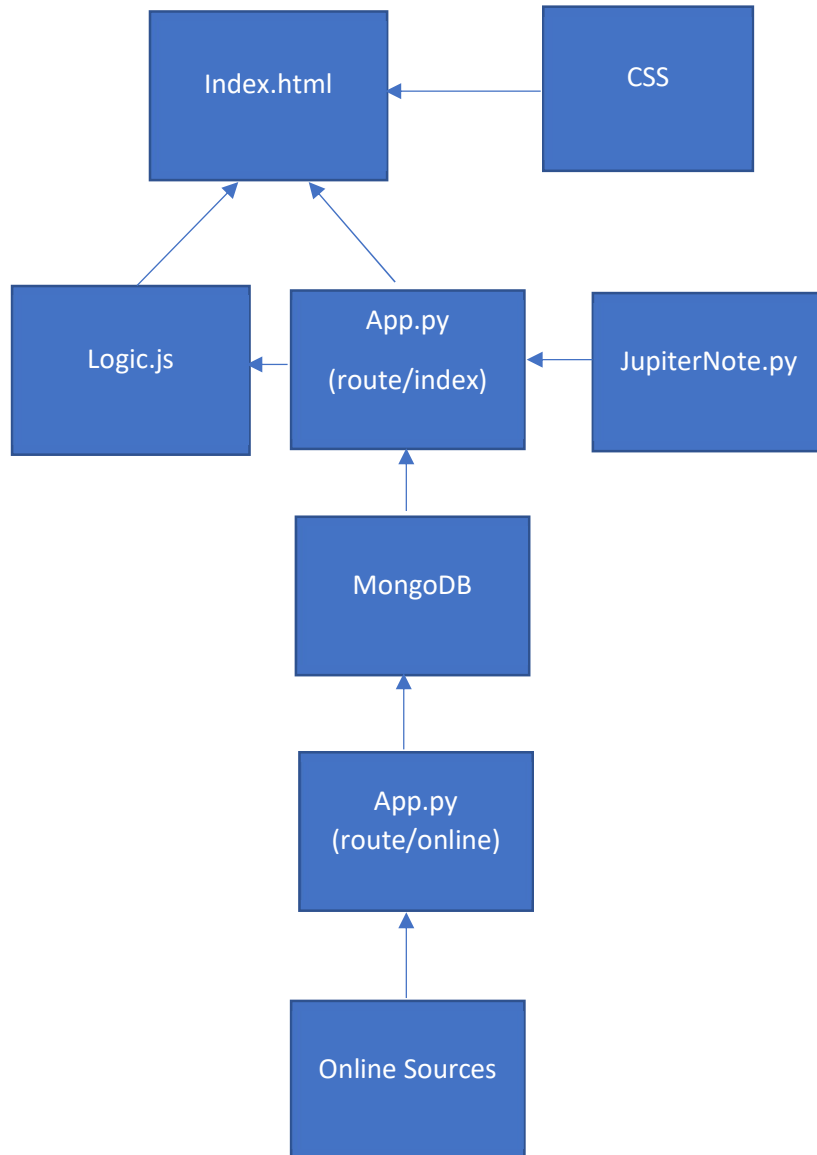
Link to dataset:
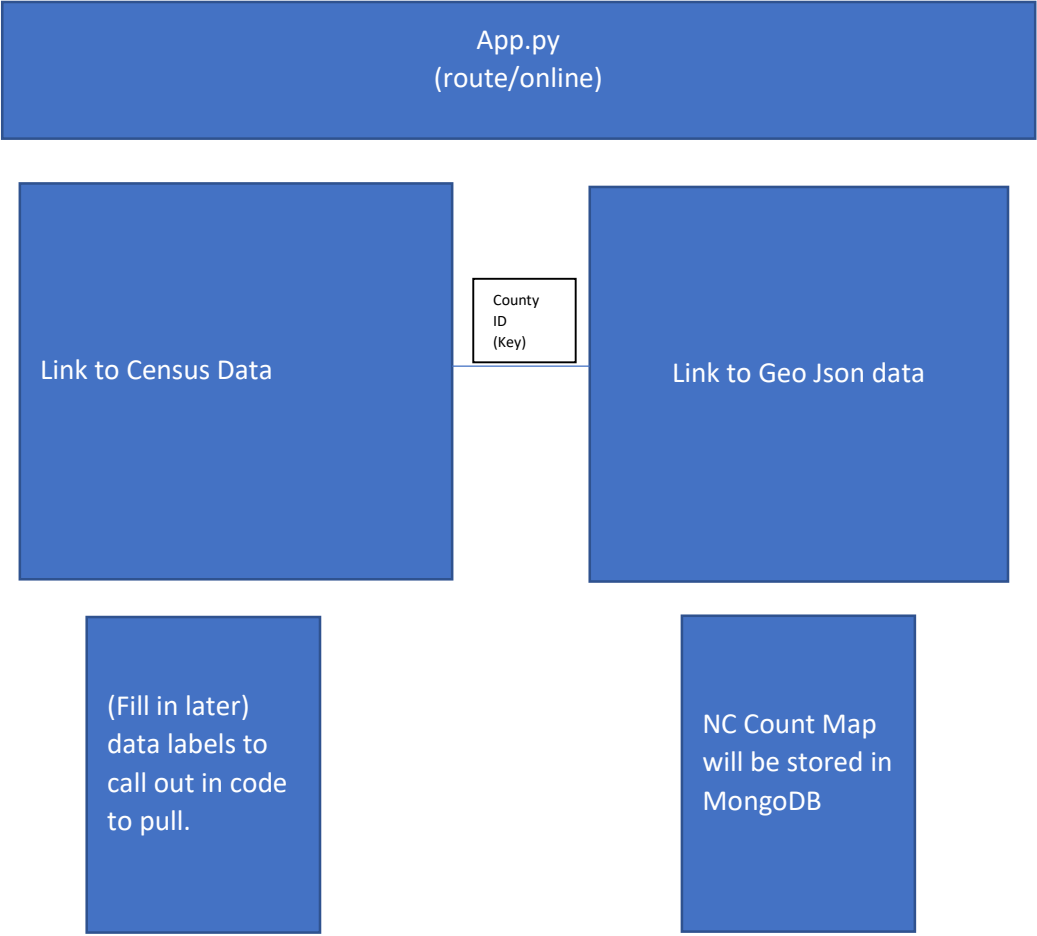
A sketch of final design:

Side Manu, Home button Various analysis	Top Banner: Total number of counties, Total Population count respective year, (moveable bar that goes by year)	

	NC County Map with fill color with employment number
	
	 • Fill color will be total people employed respective year
	 • County clicked on
	     o Total population
	     o Employment ratio
		Horizontal bar chart of employees by business type
		
		 • When no county selected on the map it shows state level data
		 • When county selected on the map it shows county level data

		(Open for discussion) Potential: • Jobs data • Population data • Unemployment data • Time chart for the county from 1986 to 2018

Link to GitHub:

https://github.com/ejlee127/NC-County-Statistics

High Level file and data flow:

App.py
(route/online)

Link to Census Data

County
ID
(Key)

Link to Geo Json data

(Fill in later)
data labels to
call out in code
to pull.

NC Count Map
will be stored in
MongoDB

MongoDB
(Census Data Base)

Documents:
- Employment per year
  County,
  Employment#

Documents:
- County Codes to name
  County Name,
  Count ID

Document:
- NC map data
  County Name,
  Lat & Lon

Documents:
- North American
Industry per year

Documents:
- County Population
per year