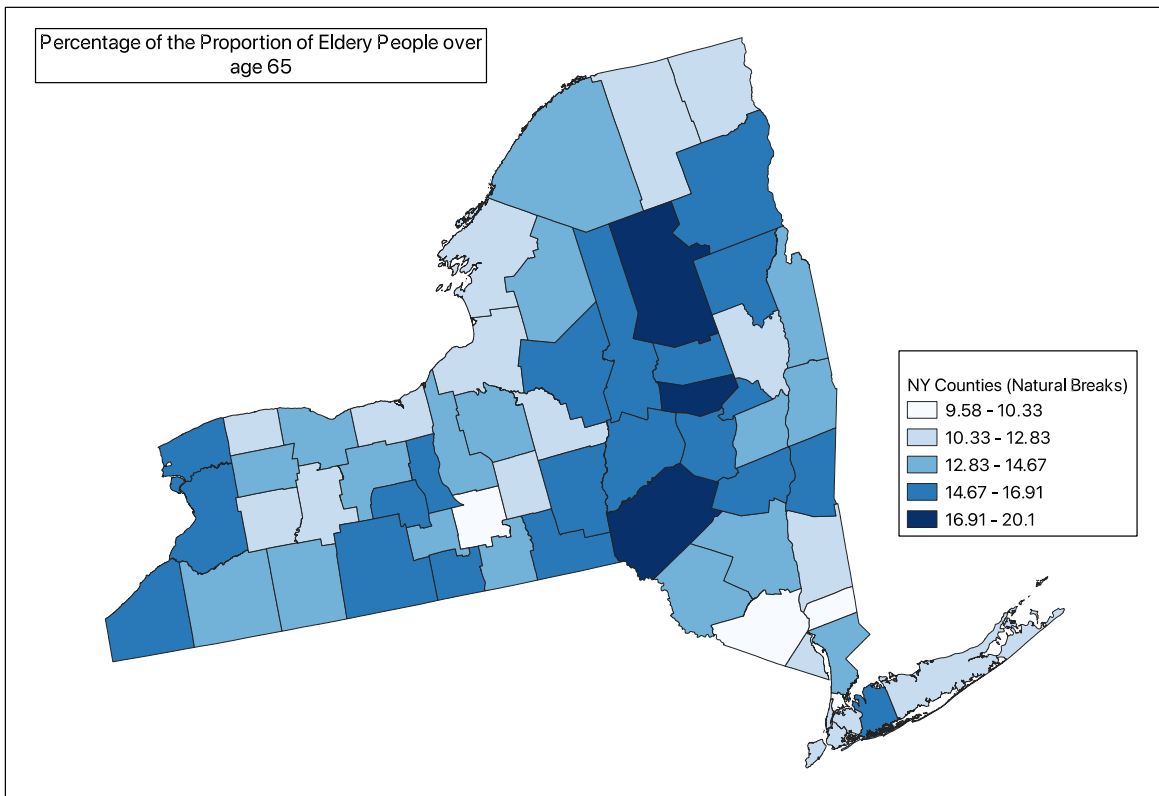
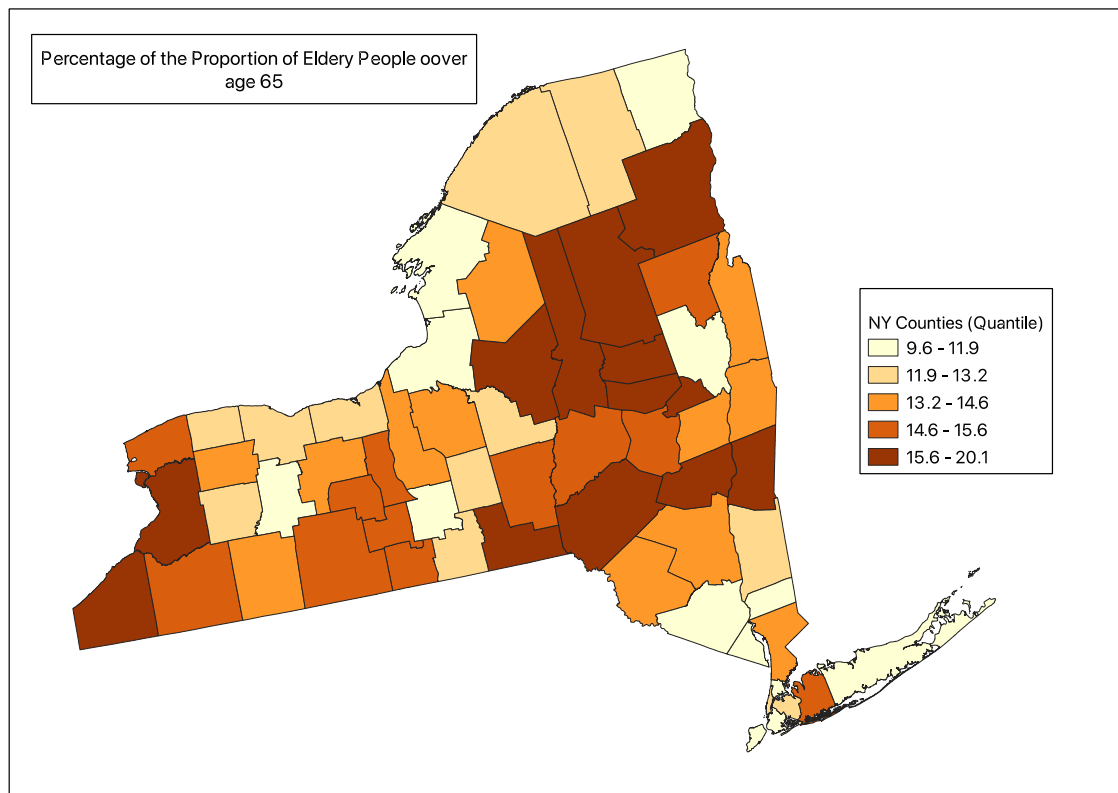


1a) CNTYIDFP and GEOID10

1b)



This map is a Natural Breaks preset. It classifies data based on the location of clusters of values, or conversely in gaps or breaks in the data range, which is less arbitrary than equal intervals or counts.

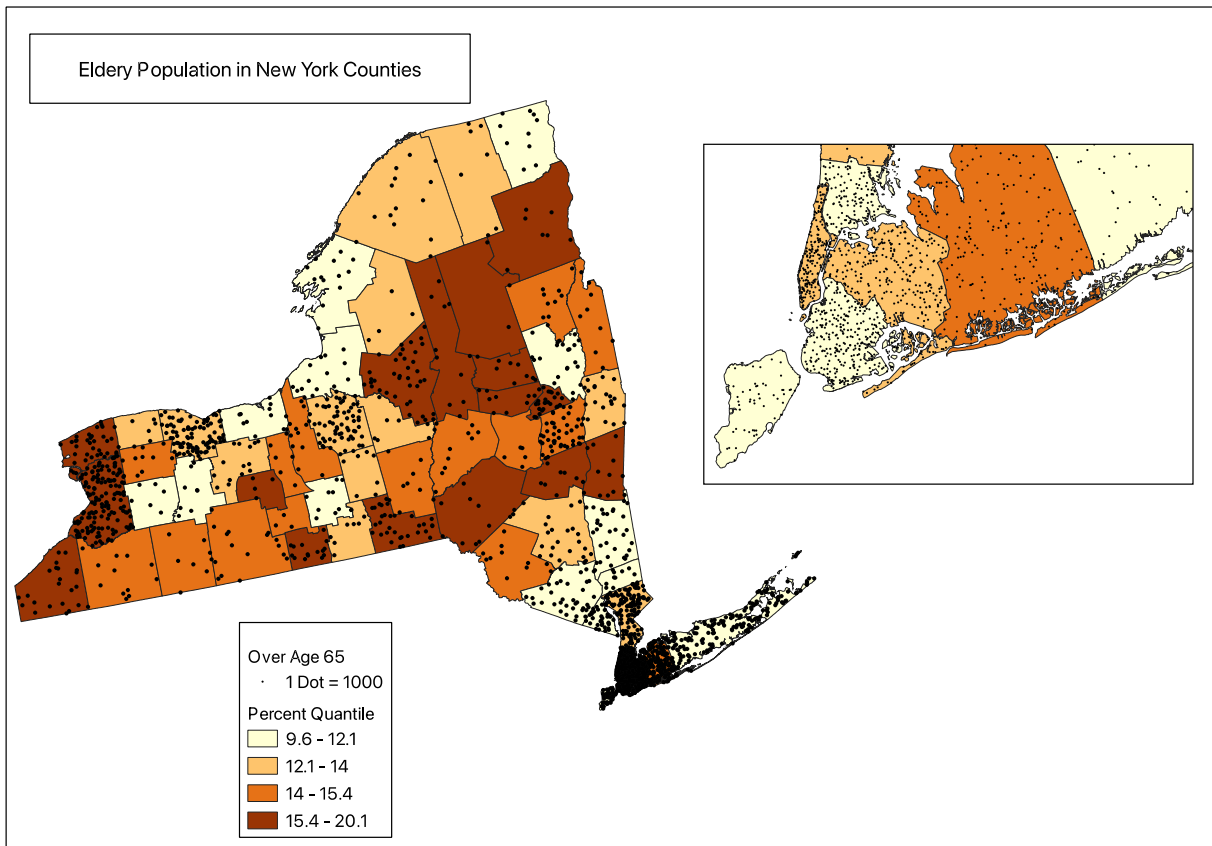


This is map is a Quantile preset. It shows a greater range of colors since each class has the same number of features; data is divided into classes that have an equal number of data points.

1e)

One of the main differences in classification between the two presets is that Quantiles have the same number of data points. Whereas, Natural breaks is dependent on the data being distributed, which makes it good for determining patterns. It is also important to note that Natural Breaks is sensitive to outliers. The usefulness of Natural Breaks is that it is best suited for distinguishing patterns, therefore, it can show us where the elderly usually congregates or reside. For Quantiles, since the data is divided by an equal number of data points we can see where there are heavier concentrations of the elderly over age 65.

2.



Since the dots depict the total number of elderly over age 65 throughout New York Counties, it is interesting to see the distribution of the elderly population throughout the state. The map shows the largest concentration of the elderly is in the New York Metro Area. While, throughout New York you can see the elderly population is distributed all throughout New York State. As for the percent quantile, it tells us the percentage of the elderly relative to the entire population (those younger than 65) in that county. That being said, there is a large percentage of elderly people living in upstate New York counties in proportion to the population living in those counties. For New York City, it is interesting to see that despite the large numbers of the elderly, its percent quantile is not as high as those in Upstate New York. In other words, despite the large numbers of the elderly it is in fact quite low in terms of proportion to those younger than 65 living in New York City.