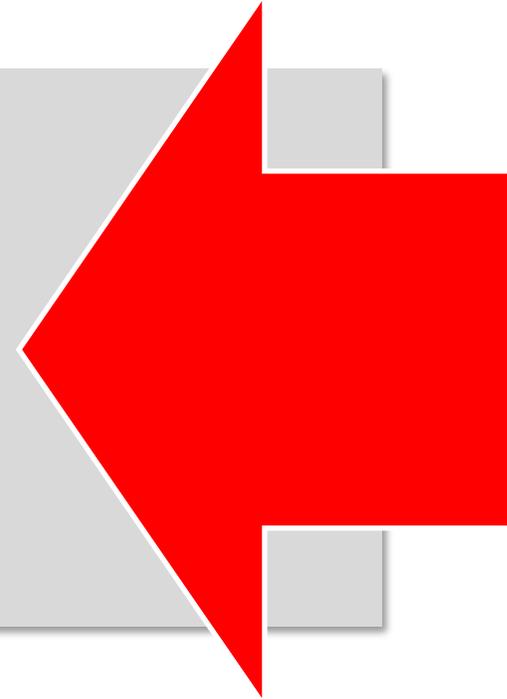


NOTE!

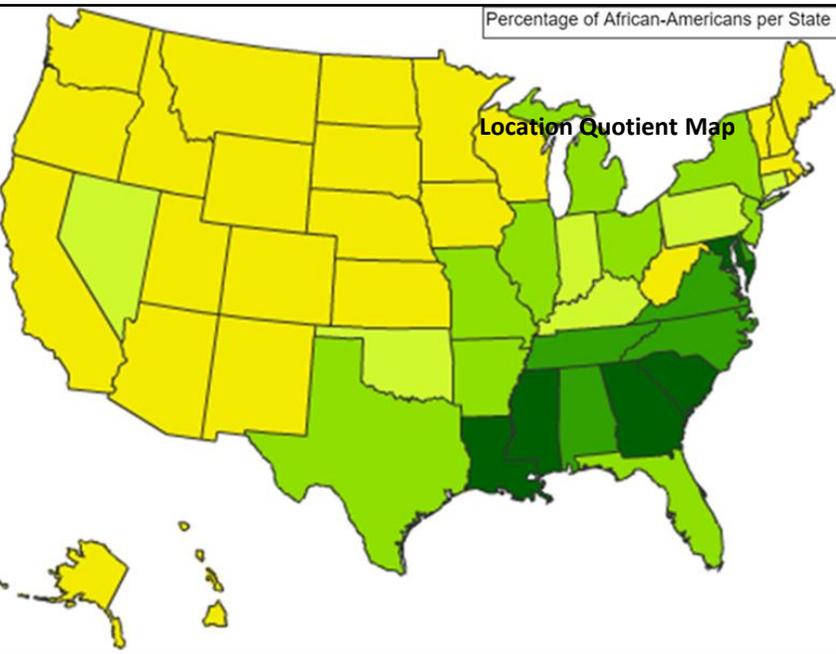
**Assignment 3 has 5 questions, but it counts for 10 points in my final grade calculations.
Submitting Assignment 3 will earn 10 points if it is complete!**

You must submit your answers to the questions in Assignment 3 in Blackboard.

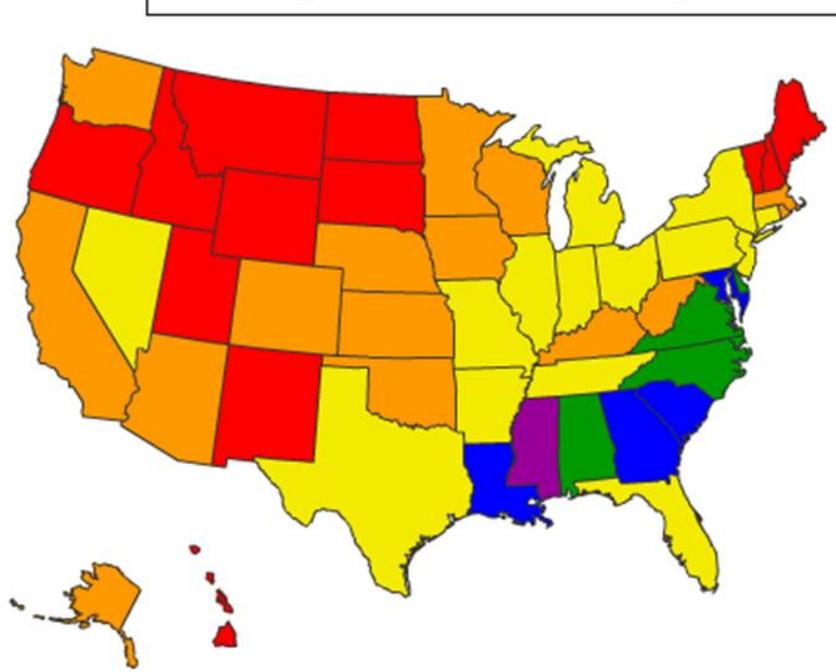


Percentage of African-Americans per State

Location Quotient Map



Percentage of African-Americans per State



Assignment 3, Part 1: A Bad Map?

The map at top is the Location Quotient Map from the prior assignment.

Imagine that you don't know anything about the distribution of the African American population...

What is wrong with the bottom map (why is this a "bad map")?

1. Colors

- a) Some colors are too close to the same color value
- b) There are not enough colors
- c) There should only be two colors

2. Number of Classes

- a) There are too many classes
- b) There aren't enough classes

3. Key

- a) Without a key, one does not know which states are "high percentage" and which states are "low percentage"
- b) Even without a key, the color scheme is obvious
- c) A key is not needed; clearly the red states are those with the highest percentages

4. Class Ranges

- a) Without a key, one cannot tell if the class ranges are appropriate
- b) Even without a key, it is obvious that the colors reflect what one would expect
- c) There are not enough classes

Question 5 on next page.

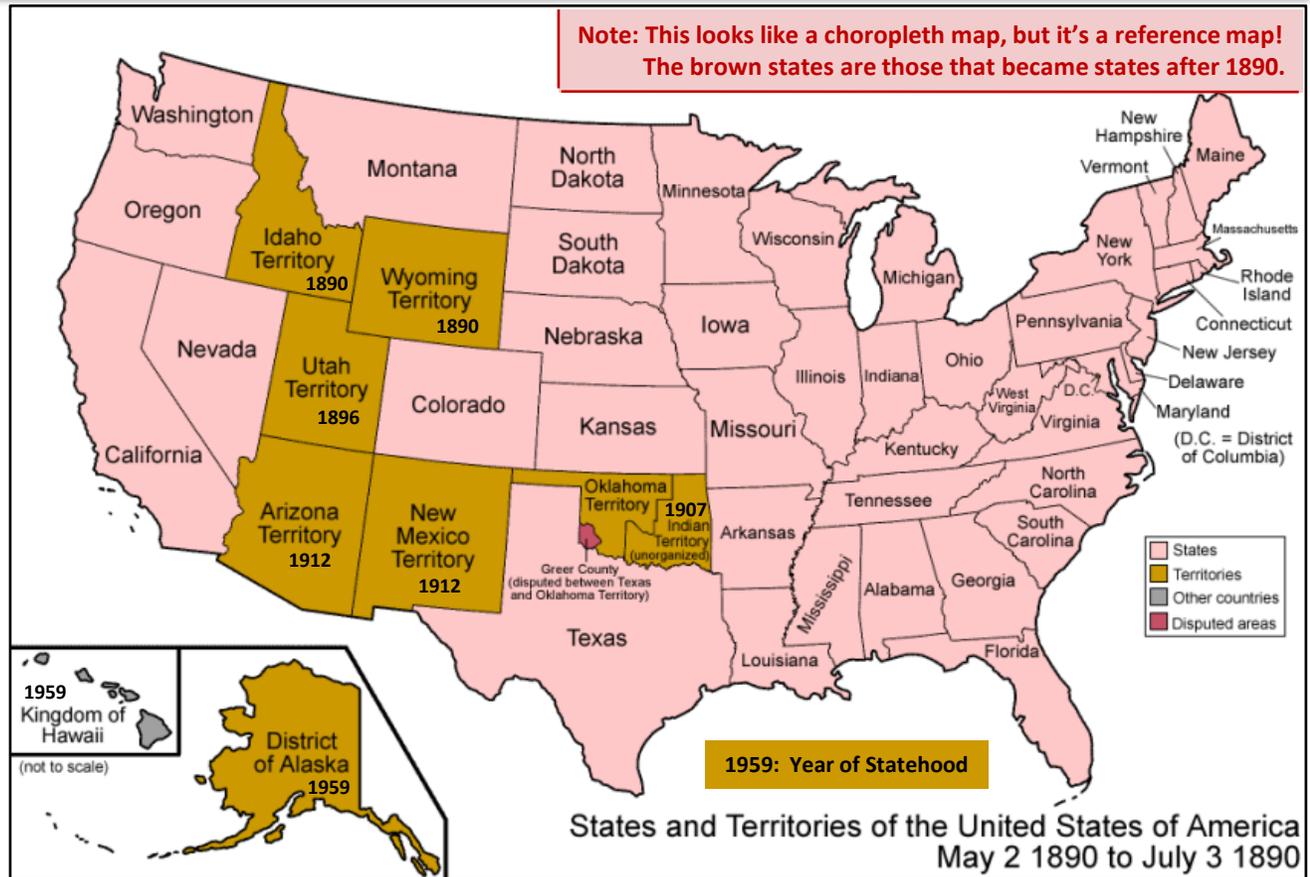
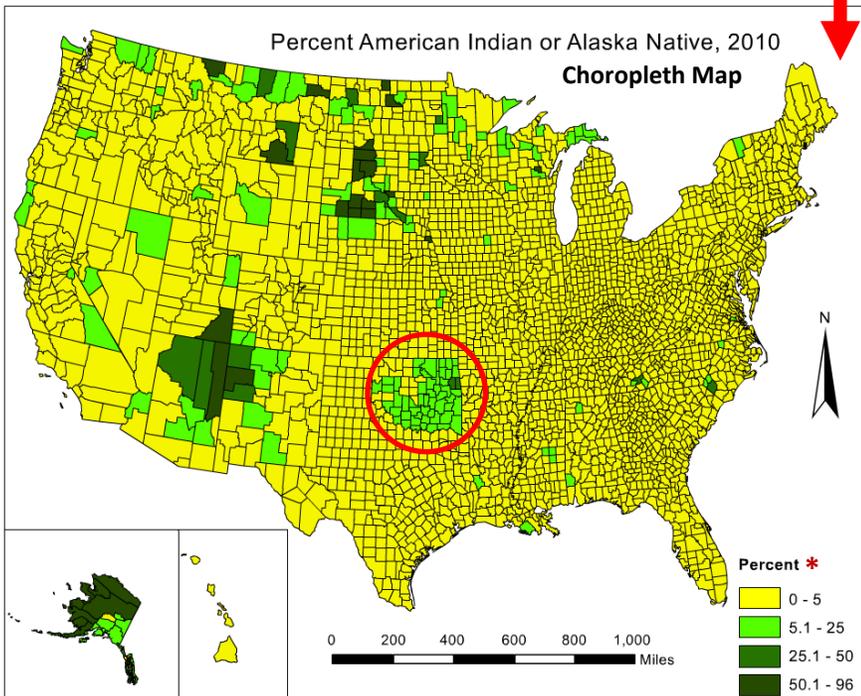
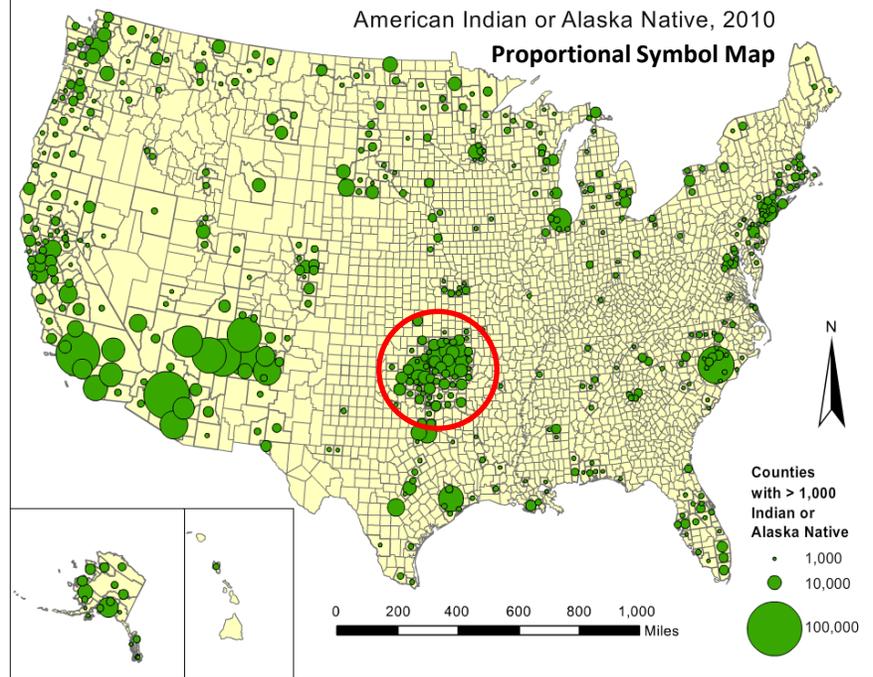
Assignment 3, Part 2: Maps & History

One more... a look at the Native American population of the US. Note that the proportional symbol map (top left) somewhat agrees with the choropleth map (bottom left), but there are notable differences in California, Oregon and Washington, in central and south Florida, and along the eastern seaboard from Baltimore to north of Boston. This apparent discrepancy is due in part to the different measures (percent versus numbers) and to the exaggeration of the numbers in the proportional symbol map – note in the key that the symbol size only goes up to 100,000. In southern California, as a percentage of the population, 100,000 or so is a small fraction of the Los Angeles metro area population. There is another factor to keep in mind, connected to our history:

5. In the maps top left and bottom left, what accounts for the large number and high percentage of Native American population inside the red circle? (See map below for a hint.)

* Why start as low as 5%?... Native Americans make up less than 1% of the total US population.

Note: This looks like a choropleth map, but it's a reference map! The brown states are those that became states after 1890.



Submit your answers in Blackboard!

Note that Assignment 3 has 5 questions but still counts for 10 points.