## Redistricting North Carolina

## Method

✓1. Assign *colors* of counties based on *voting history, education* of county, median *age*, and median *income* using a statistical algorithm.\*

✓2. Identify prominent patterns of colors in the geography.

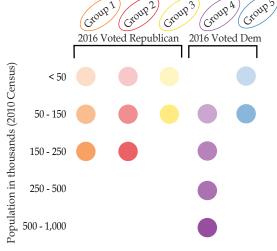
✓3. Join neighboring counties, maintaining important patterns, keeping districts compact, and populations of districts equal; if needed, split counties by township.

## Overview

In 2018 Republican candidates won just 53 percent of the statewide vote while winning 10 out of the 13 districts. Such extreme partisan districting is unconstitutional and has been ruled illegal.

North Carolina must now redistrict fairly and this is a proposed solution.

The graphs to the right show the demographics of the county groups used to create the new districts. Groups were made by similarity of demographics between counties, some of these similarities can be seen in the scatterplots. ie. Group 2 counties voted Republican, have higher education, higher income, and a median age.



Demographic data are represented to the right. Republican voting counties are represented in graphs labelled Democratic counties are represented in graphs labelled Counties marked 1 & 2 are outliers.

