

Alabama Redistricting Proposal

Team: Roll Tide

Team Members: Alan Meenan, Banner Penwell, Ethan Frazier

Executive Summary Letter

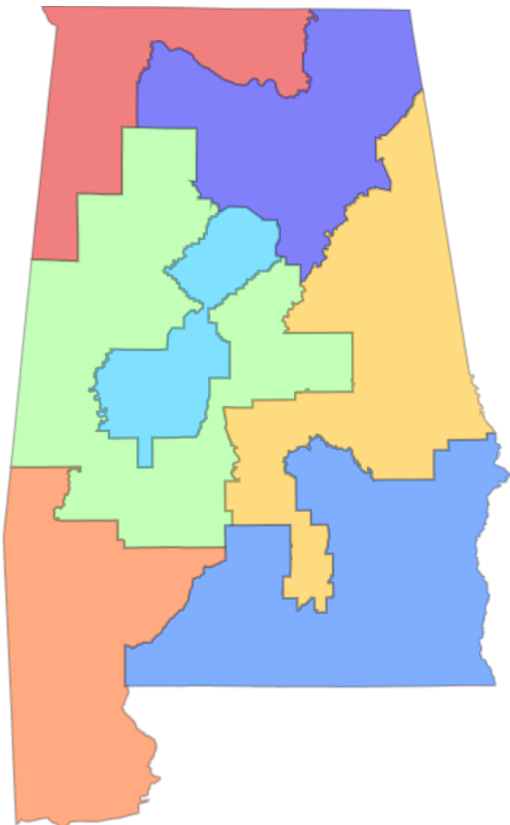
To the State of Alabama:

Team Roll Tide was hired and tasked to redistrict Alabama following the latest demographic changes to the state. Alabama currently has 7 congressional districts that must follow congressional redistricting plans stated by the U.S. Constitution. Rules that we were able to keep in mind were:

- Population Equality: All districts are within 1% of each other in population
- Contiguous Districts and Compact Districts: All districts are touching and compact

Through our first many trials, we encountered many computational errors that caused the integrity of our original models to slip. After reviewing and refining the model, we finally came up with a solution. The map below was created after our last refinement. The map below fulfills the redistricting rules listed above, but fails to meet others not mentioned. We understand this does not fulfill all possible rules that will be in place. However, because of computational errors, this is the best redistricting plan for the current situation within Alabama.

Proposed Alabama Map



Current Alabama Map

