



FairyMander

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Our team



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Dylan Franco
Architect



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Customer
Communicator



Izaac Molina
Team Lead



Ceanna Jarrett
Recorder





Project Introduction

- Gerrymandering a problem?
- Voting Representation Matters
- Creating a solution for gerrymandering through the power of computing





Meet Our Client

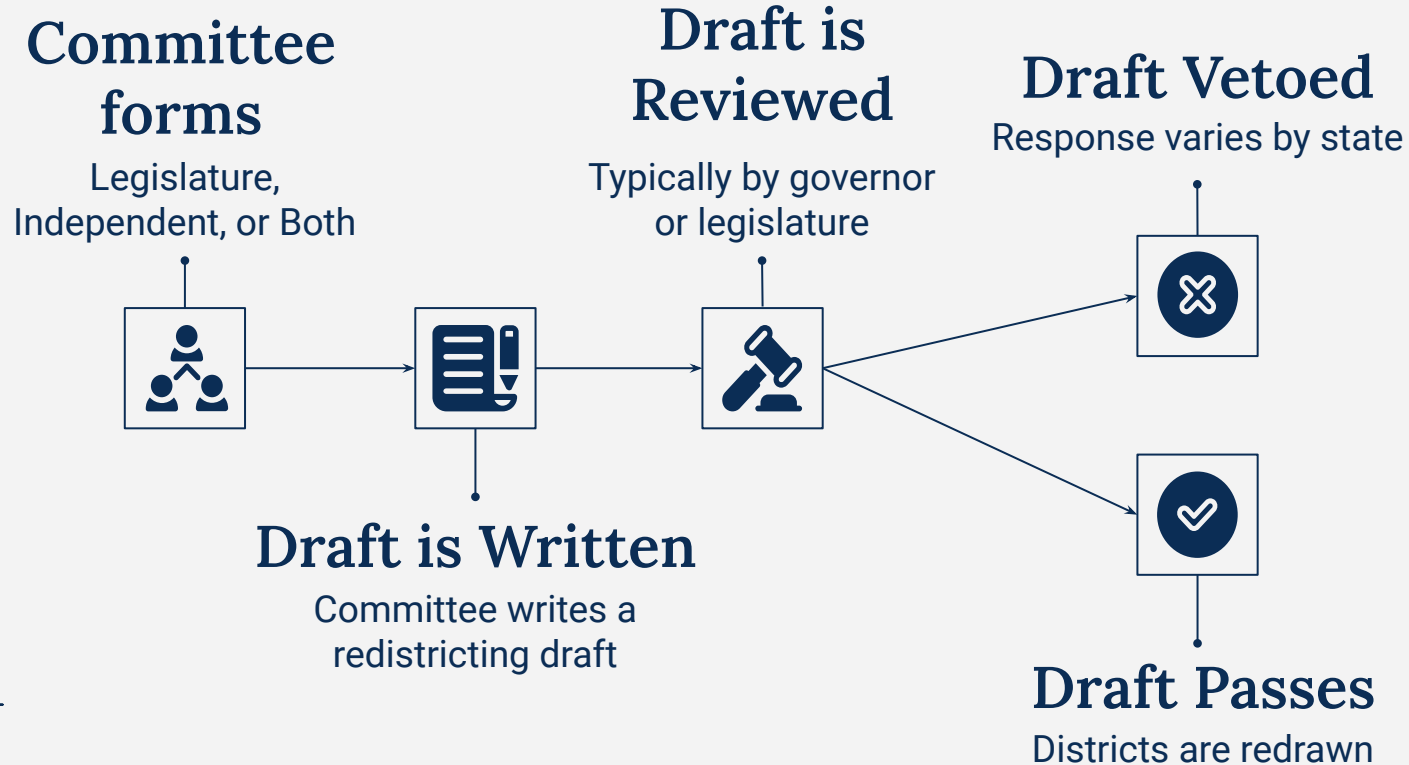
Dr. Bridget Bero, P.E.

Professor at Northern Arizona University
Associate Chair for CENE Programs

Dept. of Construction Management, Civil and Environmental Engineering

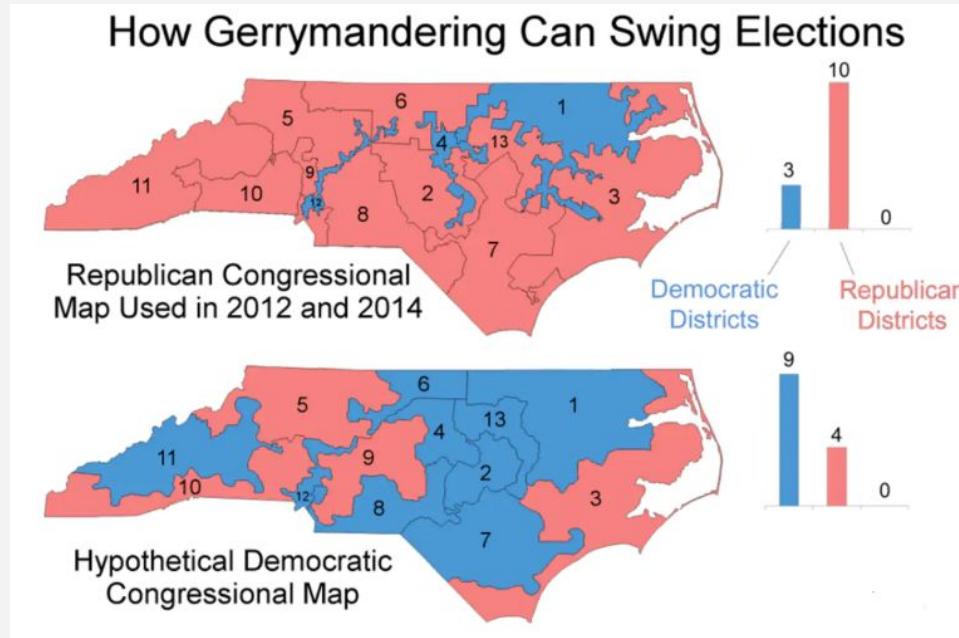


Redistricting Process (High Level)



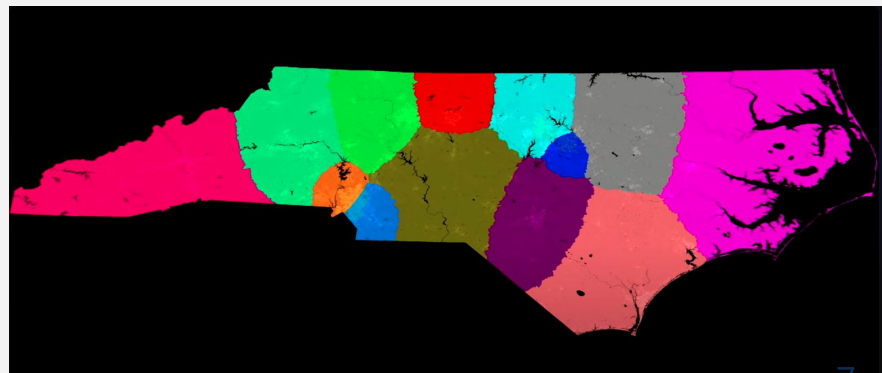
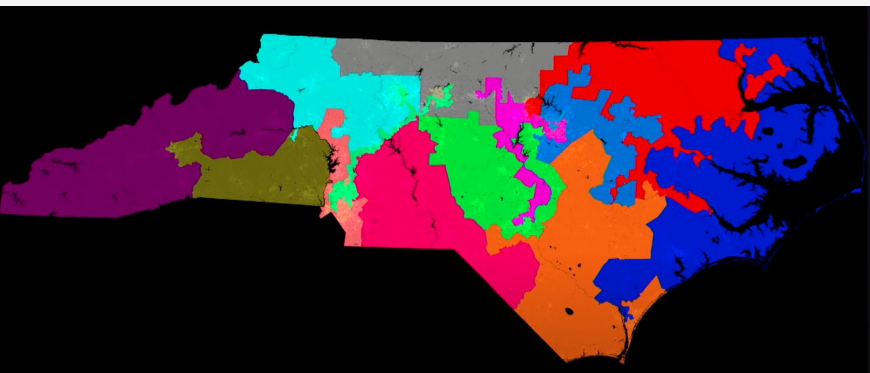
The Problem

- Gerrymandering negatively impacts democracy
- Packing and Cracking



Solution

- Use census data and GIS to create fair, unbiased voting districts
- Establish clear, transparent criteria for how districts are drawn
- Ensure districts remain fair and representative over time



Plan for Development

- Requirements Acquisition
 - Monthly Client Meeting updating her on everything that was done
- In depth research phase on fair redistricting techniques
- Technical Investigation
 - FrontEnd
 - HTML, CSS, JavaScript
 - BackEnd
 - Python
 - PHP
 - SQL
- Census API
- Github as the Codebase

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Conclusion

- Working to create a redistricting algorithm
- Several challenges in the area of gerrymandering
- Solution should be able to use census data and GIS to create fair, unbiased voting districts





Thank You

