User Guide

GerryMandering Project User Guide
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1. **Introduction**

This user guide was created by Nong Xiong, Bijesh Bajracharya and Vizeng Lee for ICS 499 Capstone course. The project is Gerrymandering which is a changing of voting districts to give one party an advantage or disadvantage a group. This project presents two maps, one with the current election district from 2016 and another with the redrawn district using algorithm to optimize compactness. It represents the current election map from 2016 of four different districts Congress, Presidential, US Senate and US House. Additionally, a redrawn map with algorithms to reshape the distict is alo available to view which would show the optimized compactness of the districts from the original map.

2. Objective

The objective of this project is that we had taken the data from MN elections and visually show the redistricting problem to anyone who views this application in an interactive map. The goal here is to compare the current and redrawn districts and evaluate if there is any possibility of gerrymandering.

3. How To

User goes to our site to analyze the precinct results from different districts of Minnesota. There are four district maps, Congress, Presidential, US Senate and US House that the user can view. Each district have current and redrawn maps that user can view.

- In the home page, user have the option to choose which district map to view with buttons that direct to either current district map or the redrawn district map.
- A new page with the map of respective district opens up.
- Users will then use the mouse to hover around a district and it would display what district it is in, name of the county and the winning party (Republican or Democrat).
- User can view the desired precinct or district and the information will be displayed.