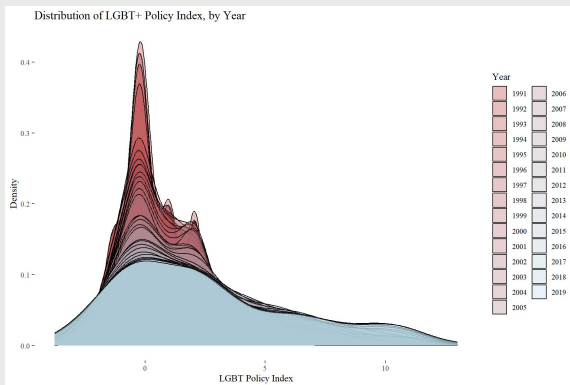# Kaiden McCready

Data Visualization Portfolio

Figure 3 - Women's Representation in State Legislatures by Region

Adam Weinberg On Top
Denison Students' Sentiment Towards Various Institution, by Party Affiliation

Distribution of LGBT+ Policy Index, by Year

Figure 1 - Women's Representation in National Legislatures, 2022
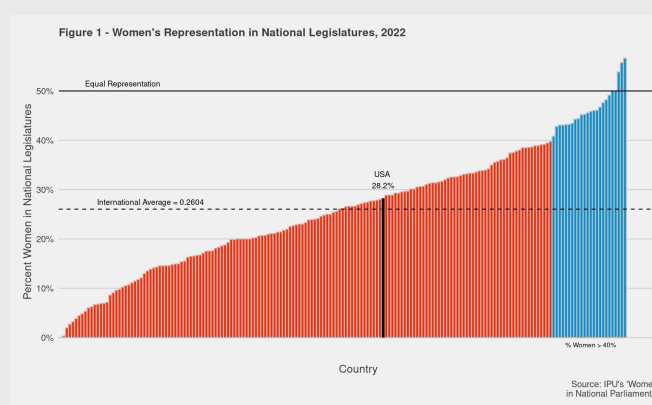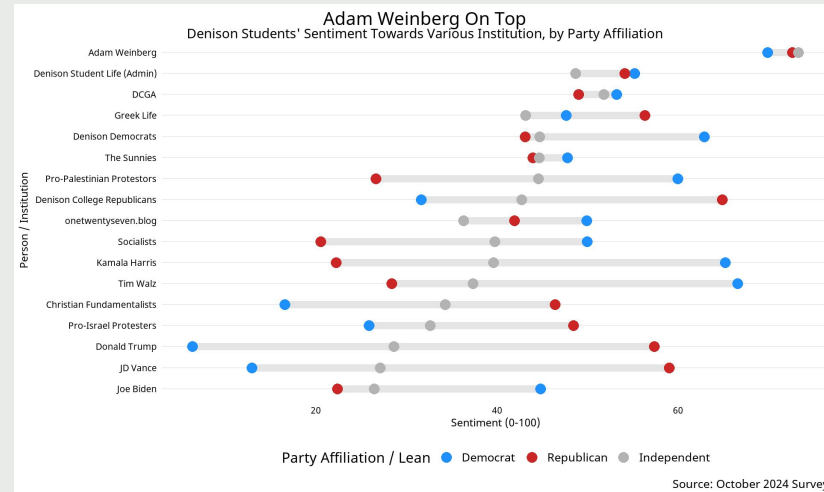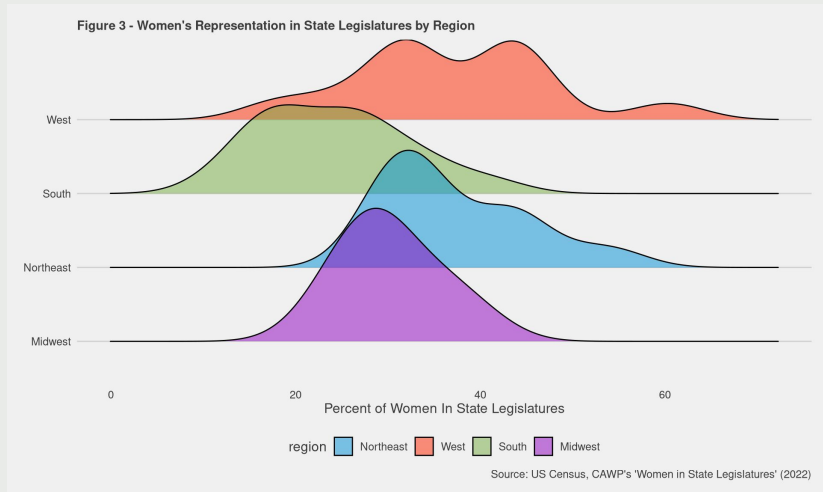
Single-Variable Distributions
made with ggplot2; R

US Counties by Size and Vote, Elections 2008-2024
Election Year: 2008
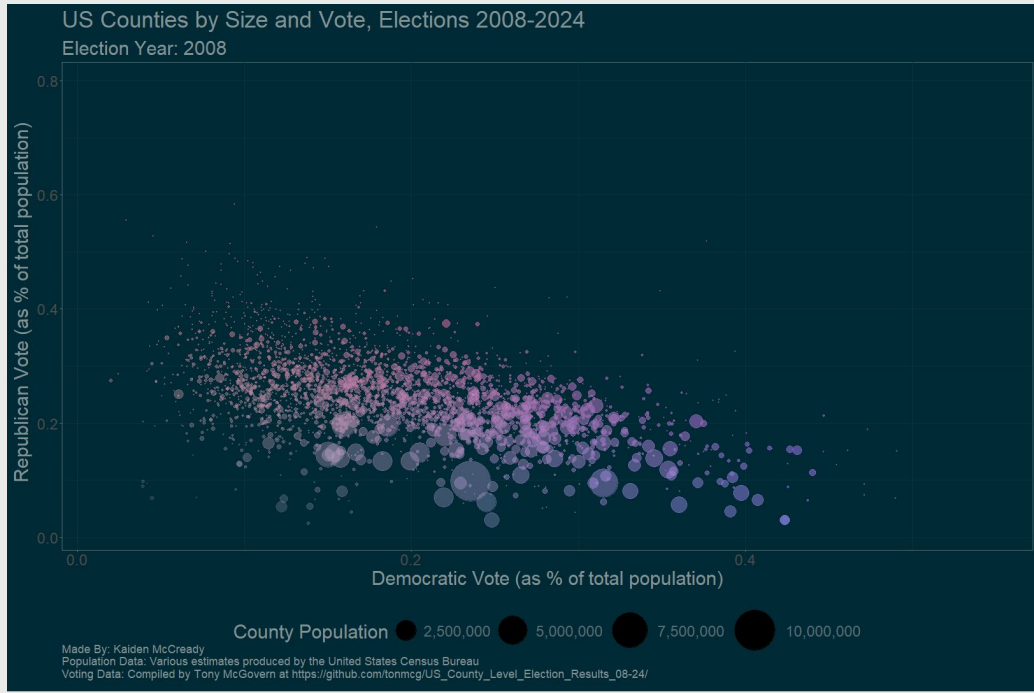
Figure 5 - Women's Representation vs Higher Education in Women
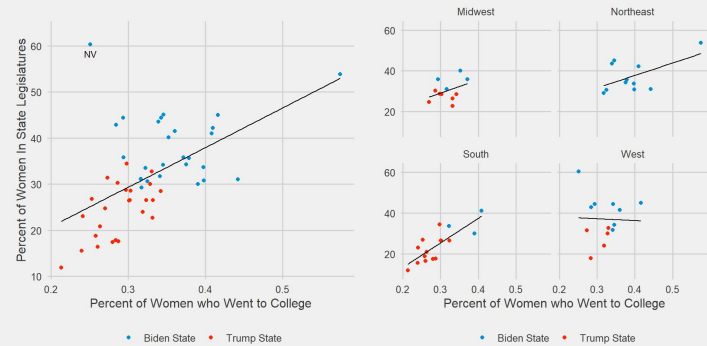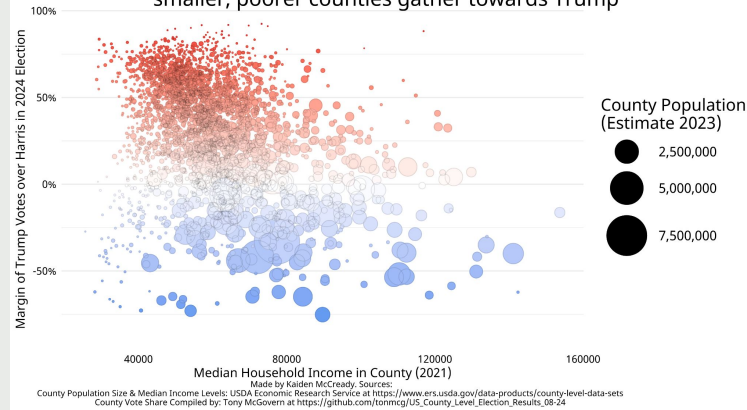
Larger, wealthier counties tend towards Harris; smaller, poorer counties gather towards Trump

Multi-Variable Distributions

made with ggplot2; R

Time-Series & Categorical Data

made with ggplot2; R

Figure 2 - Net House Seat Percentage over Vote Percentage, by Year.

Figure 3 - Net House Seat Percentage over Vote Percentage, by State and Year.

Agreement that "___ is ESSENTIAL to a liberal arts education", by Party Affiliation:

Independents, Moderates at Denison Are Checked Out of the 2024 Election
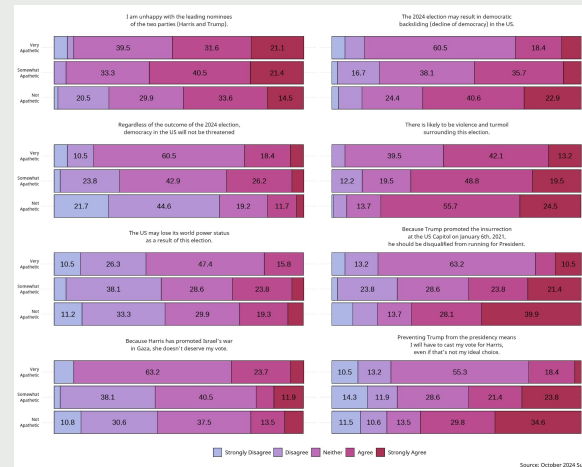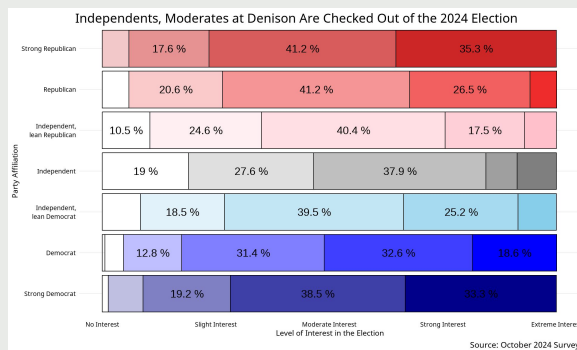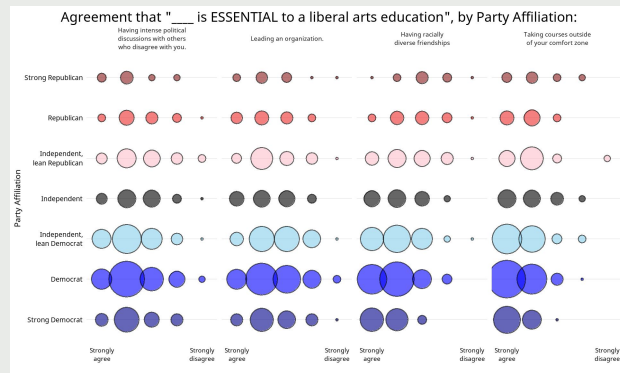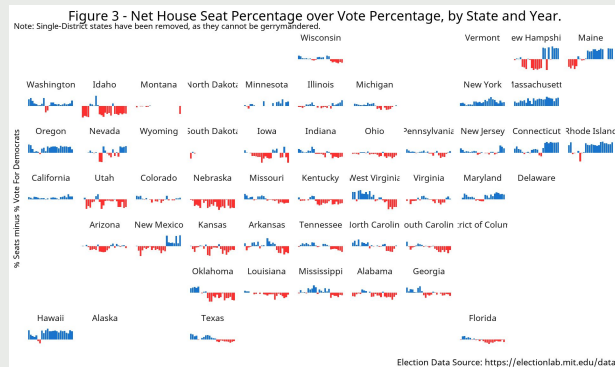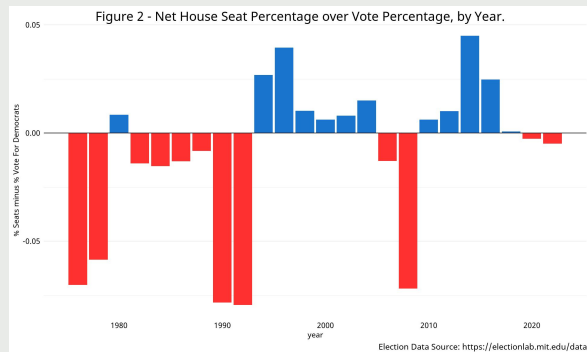
R and Statistical Analysis Skills

Tidy Data Wrangling with dplyr
Proficiency in using the dplyr and tidyverse for cleaning and formatting data using filter(), select(), mutate(), arrange(), group_by(), summarize(), join() functions, and piping (%>%) to prepare data for analysis or visualization

Simple and Multiple Linear Regression
Experience with fitting and interpreting simple and multiple linear regression models in R using lm(), checking for homoscedasticity, and implementing categorical predictors with factor() variables.

Hypothesis Testing and T-Tests
Capable of performing hypothesis using t.test(), providing context for confidence intervals, and interpreting p-values and effect sizes to draw statistical conclusions.