

Red, Blue, or Purple: Investigating the Competitiveness of State Senate Districts in Connecticut and Minnesota

Introduction

State legislators have the power to shape the policies, economies, and trajectories of their state for years to come Following the 2020 election, many state legislatures will als be drawing the district lines for congressional and state legislative seats for the next decade. With this in mind, we sought to gain a deeper understanding of how competitive these races are, whether demographics vary depending on level of competitiveness of a district, and if there is a statistically significant relationship between demographics and competitiveness of state senate races.

We created a comprehensive data set of election patterns and demographic data for both Connecticut and Minnesota this poster, we examine the relationship between certain demographic characteristics of state senate districts (e.g., racial composition, median household income, education levels) and the their voting history in recent elections. Our goal is to better understand the demographic characteristic of the districts that are most likely to decide party control of the state senate in these two states.

Research Questions

- How many competitive state senate districts are there in Connecticut and Minnesota? How many safe Democrat and Safe Republican districts are there in Connecticut and Minnesota?
- Is there a relationship between competitiveness of a distric and its demographic makeup?

Data Sources

- Data on election results and incumbent state legislators comes from the following • Daily Kos. 2018. "Presidential & Statewide Election Results By Legislative District." DailyKos.com.
- Klarner, Carl, 2018, State Legislative Election Returns 1967-
- 2016, <u>https://doi.org/10.7910/DVN/3WZFK9</u>, Harvard Dataverse, V3.
- CT Secretary of State Website
- Data on district demographics comes from the 2018 American Community Survey year estimates accessed through census.gov.

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	Classifying	Dist	ricts	
e. so	 Districts were classified as Safe Democratic, Safe Republic Competitive according to each district's average Democrations share of the two-party vote in state senate races from 207 (for CT) and 2012 & 2016 (for MN). 			
	 Safe Dem: >55% average incumbent 			
า	 Safe Rep: <45% averag incumbent 	e Demo	cratic vote sh	are and Re
	 Competitive: Vote share candidate or an incumbe other party. 			
a. In		35 29	4	
CS f			12 17	
	Red = Safe Rep.			
	 Blue = Safe Dem. Purple = Competitive 			
	CT District Demographics			
	Distribution of Demographics Variables in Competitive, Safe Dem., and S Districts in CT			
	- 19	_		
	8-			
ct				
	R Competitive Safe Dem Safe Rep			
j:	% of Pop. 65+ % of Pop. with BD or Higher % of Pop. Only White			
	OLS Regression DV is % for Democratic State Senate Candidate in 2018			
	Dem % 2018	Coef.	Std. Error	P> t
y 5-	% Pop 65+	-0.005	0.006	0.447
	% Pop w/ BD+	0.006	0.002	0.018
	Med Inc / 1000 % Pop White Only	-0.003	0.001	0.045
d	Constant	1.043	0.001	0.000
	N	36		
	R ²	0.82		

