Overview Oregon Voters

What is this? Analysis of Oregon voter registration data leading up to the 2020 election. The data has a monthly snapshot of voter registration by party, district, and county with history back to 2016.

Why/History: This analysis can help predict outcomes of the 2020 election in the state senate races, which are particularly significant given outcomes in the 2019 and 2020 legislative sessions.

What tools are used?

- **R, Python/Jupyter Notebook:** The jupyter notebook has python scripts for analysis by county, and the R script specifically looks at the senate districts.
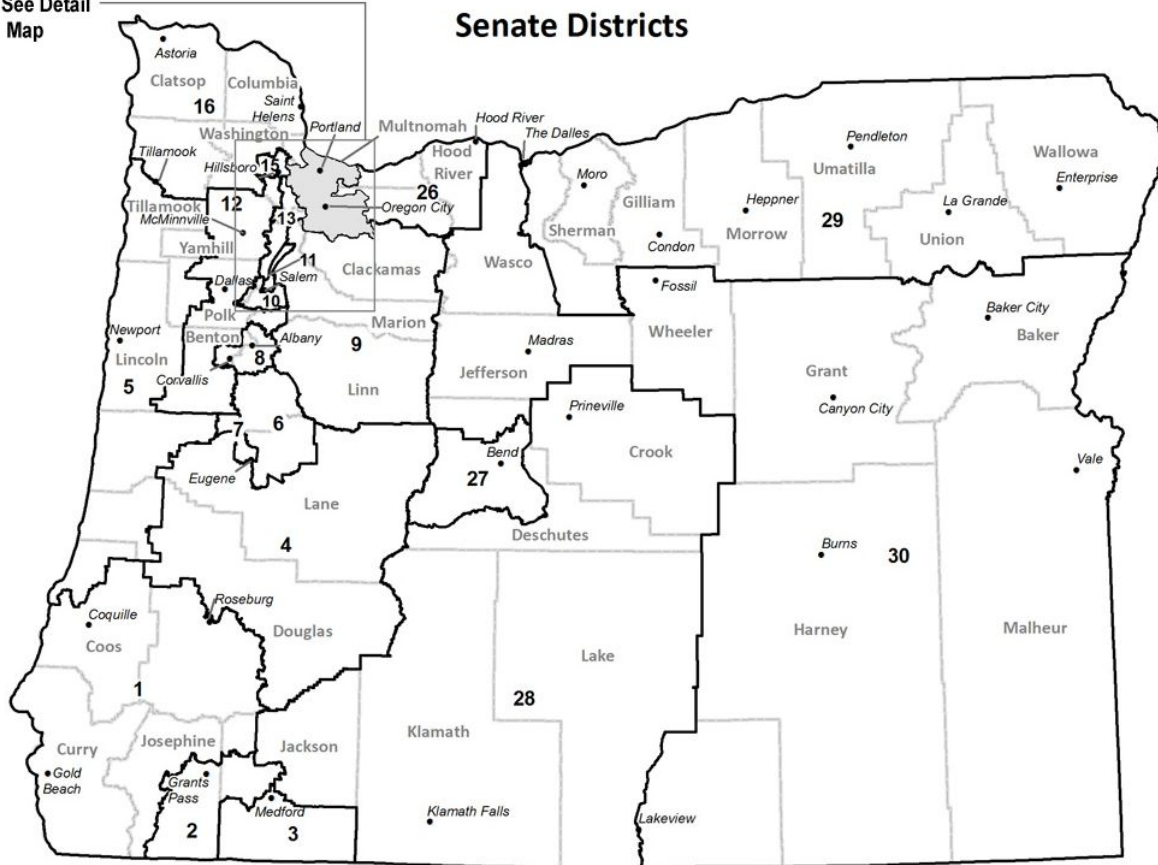
Other Resources:

- Which seats are up for election (also click on the special election link): **https://ballotpedia.org/Oregon_State_Senate_elections,_2020**
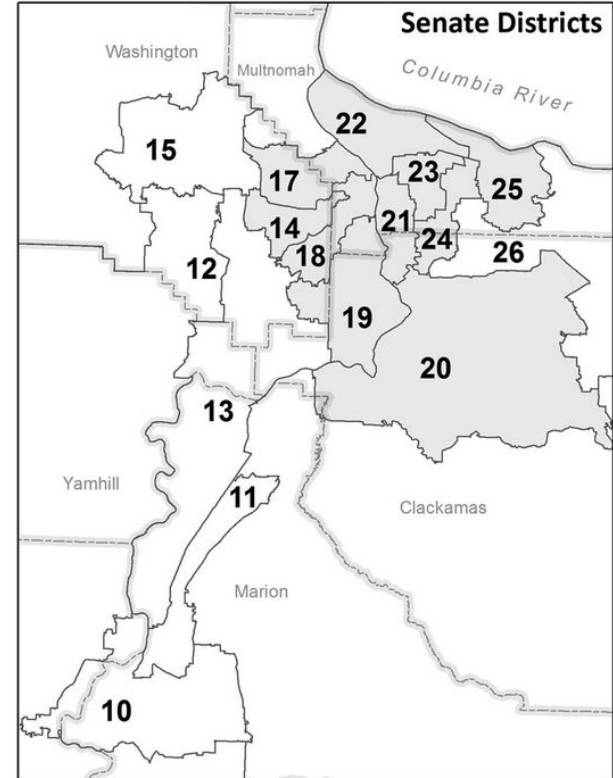
Oregon Map of Senate Districts
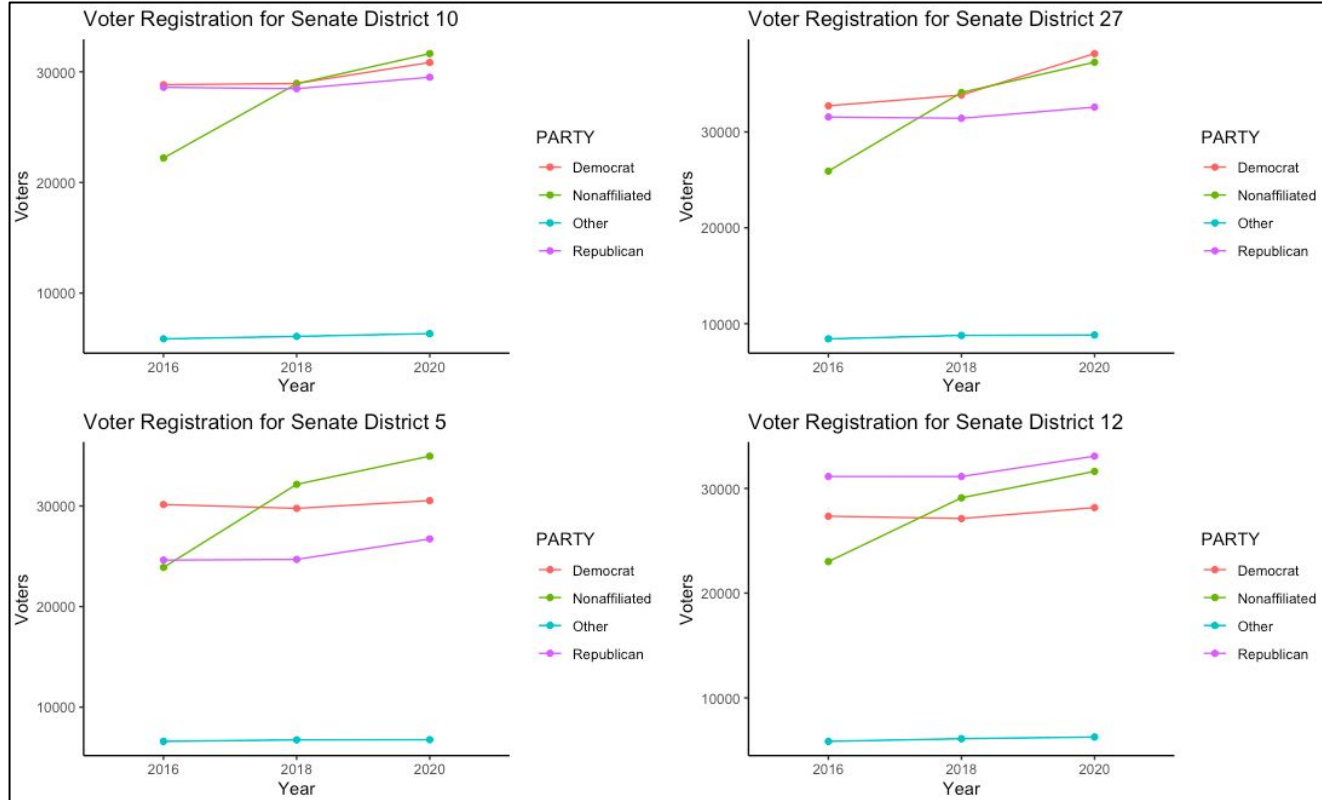
R script (Finding the competitive Senate Districts)

(1) Senate Districts 10 and 27 had a significant shift to more Democrats registered as voters.

(2) Senate Districts 5 and 12 have interesting composites of voter registration making it a hard prediction. District 5 was a retired Democrat and 12 is an incumbent Republican

Jupyter Notebook with Python (Exploratory Analysis)

In [94]: `county_chart('LANE')`

(1)   Data exploration

(2)   In Lane county, as with most counties in the analysis, the most significant trend is the additional registration of voters that are not affiliated to a political party.