**SC 2022 Congressional Map**

The input elections show relatively consistent statewide voting behavior. Except declination, the output metrics from the two approaches are similar. [TODO: Discuss DECL]

**Details**

Election Input

The SEM for Vf for the six individual elections in the composite is 0.0116 or 1.16%.



The absolute difference between the composite Vf and the mean of the individual elections is 0.0001 or 0.01%.

The average absolute difference between the composite district vote shares and the means for the elections is 0.0001 or 0.01%. The white squares with black borders in the r(v) graph below are the composite values which occlude the means (crosses).

Chart, line chart

Description automatically generated

Intermediate Results

The absolute difference between the estimated Sf of the composite and the mean for the individual elections is 0.0150 or 1.50%, roughly one and a half standard errors.



The absolute differences between the estimated seat shares in the inferred S(V) curve average 0.0028 or 0.28% in the local region.

Chart, histogram

Description automatically generated

Metrics Output

The absolute differences between the resulting measures with fractional (percentage) units calculated on the composite and the means of the metrics computed on the individual elections average 0.0032 or 0.32%. While the difference for PROP is two and a half standard errors, the SEM is small (0.0059 or 0.59%).

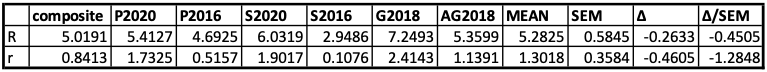
Chart, box and whisker chart

Description automatically generated

The absolute difference for declination is 4.4392 degrees. The SEM is 2.35 degrees.



The absolute differences between R and r for the composite and the means for the individual elections is 0.2633 and 0.4605, respectively.



[end]