**IL 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 0.0042 or 0.42%.



The absolute difference between the composite Vf and the mean of the individual elections is 0.0004 or 0.04%.

The average absolute difference between the composite district vote shares and the means for the elections is 0.0007 or 0.07%. The white squares with black borders in the r(v) graph below are the composite values which mostly occlude the means (crosses).

Chart, line chart, scatter chart

Description automatically generated

Intermediate Results

The absolute difference between the estimated Sf of the composite and the mean for the individual elections is 0.0119 or 1.19%, roughly one standard error.



The absolute differences between the estimated seat shares in the inferred S(V) curve average 0.0058 or 0.58% in the local region.

Chart, line chart

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 0.0056 or 0.56%. While the differences for EG and PROP relative to the SEMs are 1.7026 and 1.3803, respectively, the SEMs are small (0.0065 or 0.65% and 0.0083 or 0.83%, respectively).

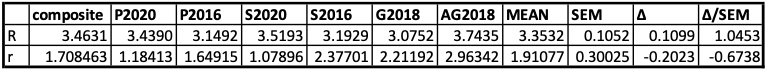
Chart, box and whisker chart

Description automatically generated

The absolute difference for declination is 3.9968 degrees. The SEM is similar 3.8996.



The absolute differences between R and r for the composite and the means for the individual elections is 0.1099 and 0.2023, respectively.



[end]