**Partisan Bias Analysis**

Goal: Compare 2011 Congressional, Senate, and House maps for South Carolina to the proposed maps developed by John Ruoff.

2011 Maps: Data processed in the manner described in Anna Marie’s master’s thesis.

John’s Proposed Maps (LWV Exemplars): Precincts from Anna Marie’s 2011 data files were assigned to John’s new districts for each map. For precincts that were split between districts, they were assigned to the district that contained the largest proportion of its area.

**Initial Estimates**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Map** | **Congressional** | | **SC Senate** | | **SC House** | |
| **Measure** | **2011 Actual** | **LWV Exemplar** | **2011 Actual** | **LWV Exemplar** | **2011 Actual** | **LWV Exemplar** |
| **Median-Mean** |  |  |  |  |  |  |
| **Geometric Bias\*** |  |  |  |  |  |  |
| **Efficiency Gap\*\*** |  |  |  |  |  |  |

*\*Geometric bias takes the same direction as it did before – indicates Republican advantage, but it’s significantly lessened in most cases.*

*\*\*Average efficiency gap from the districts. EG > 0 indicates that Democrats wasted more votes on average (i.e. a Republican advantage).*