

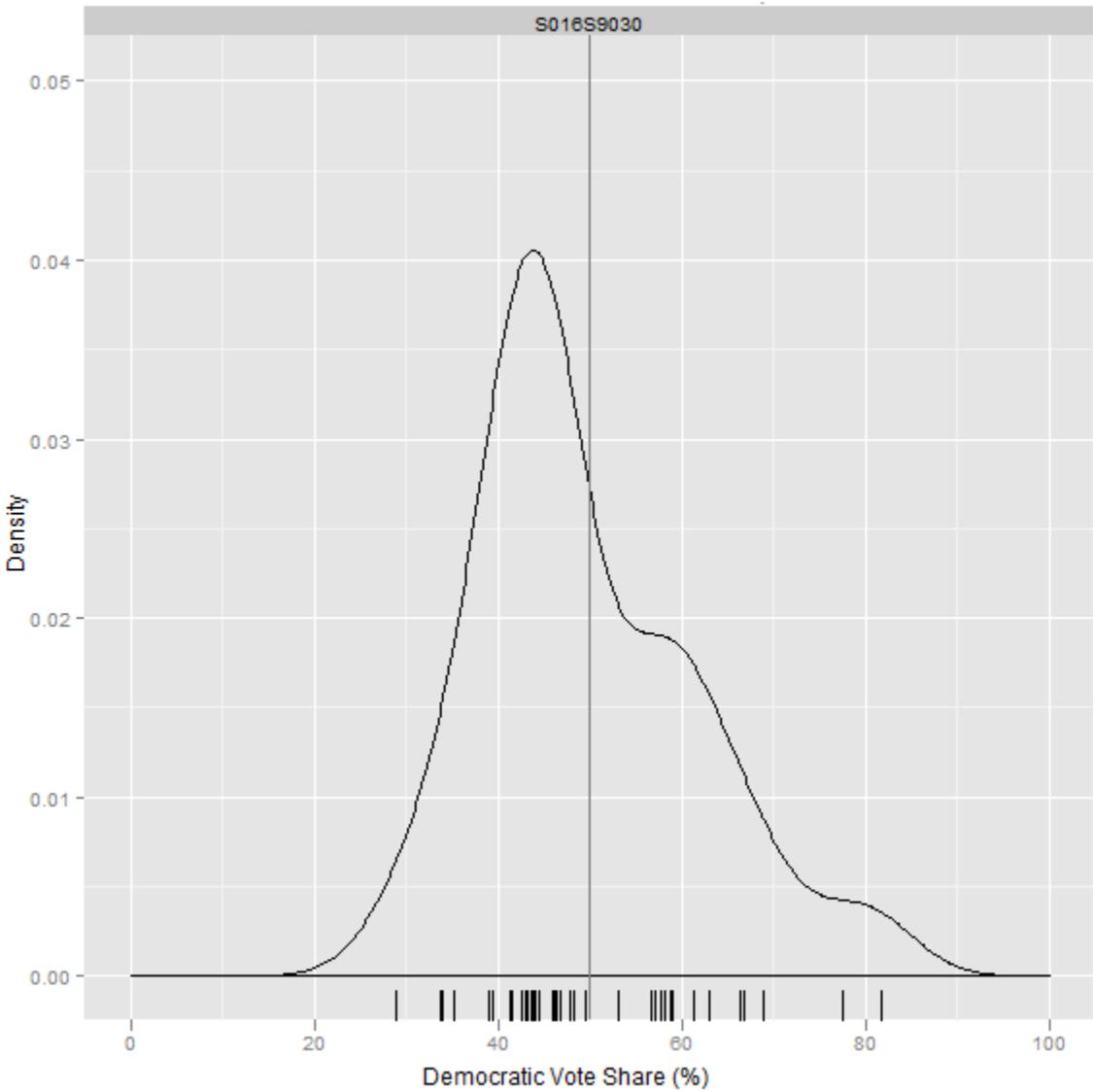
**DISTRIBUTION OF SEATS BY PARTISAN
PERFORMANCE AND SEATS-TO-VOTES RATIO**

Explanation of Distribution of Seats by Partisan Performance and Seats-to-Votes Ratio

The first set of graphs demonstrates how a redistricting plan distributes seats by partisan performance. Each of the vertical hash marks along the horizontal axis of the graph represents a legislative district. The horizontal axis also shows the percentage of the Democratic vote share at which each district performs. For purposes of calculating the Democratic vote share, we average together the number of voters who voted for a Democratic candidate in the 2010 and 2006 Governor's races and the 2008 and 2004 Presidential races. We look only at those who voted Democratic or Republican and at the Democratic percentage of that two-party vote total. The curve then represents a smoothed version of how densely packed the hash marks are at any point: if the curve is 'higher,' it means that several districts fall within that vote share range; if the curve is 'lower,' it means fewer districts fall within that vote share range.

The second set of graphs is a "seats-to-votes" ratio, which is a standard political science tool for determining whether partisan gerrymandering is present. The line represents the Democratic share of the two-party vote averaged across the districts. For purposes of calculating the Democratic vote share, we average together the number of voters who voted for a Democratic candidate in the 2010 and 2006 Governor's races and the 2008 and 2004 Presidential races. The line shows that in a hypothetical general election in which a statewide Democratic candidate wins 50.6% of the two-party vote, Democratic candidates would win just 37.5% of the 40 Senate seats under the Legislature's adopted plan – the equivalent of just 15 seats. It is not until a Democratic statewide candidate wins 54.6% of the two-party statewide vote that Democratic candidates would win a majority of the total seats in the Legislature's adopted plan (21 seats).

Democratic Vote Share of Legislature's S9030 Senate Plan



Democratic Vote Share of Coalition's March 2012 Senate Plan

