APPENDIX A

**Figure A1:** ***Loosemore-Hanby* of EC Malapportionment, 1790- 2010, with Comparisons to the U.S. House and the U.S. Senate**

Figures/FigA1.pdf

<<Figure B1 about her>>

**Figure XX: Minimum Proportion of the Population Need to Secure Electoral College Majority**

**minEC**

When we look at the black line in Figure XX as our measure of population disproportionality, we do see a long-term increase in disproportionality, as the population needed to control a majority of the Electoral College has fallen -- but with far from perfect monotonicity in the time series even if we exclude the slavery period. Moreover, if we look only since the House size was frozen, though the population proportion remains near the historical low recorded in the decade where there was no apportionment, there is no real-time trend in these recent decades.