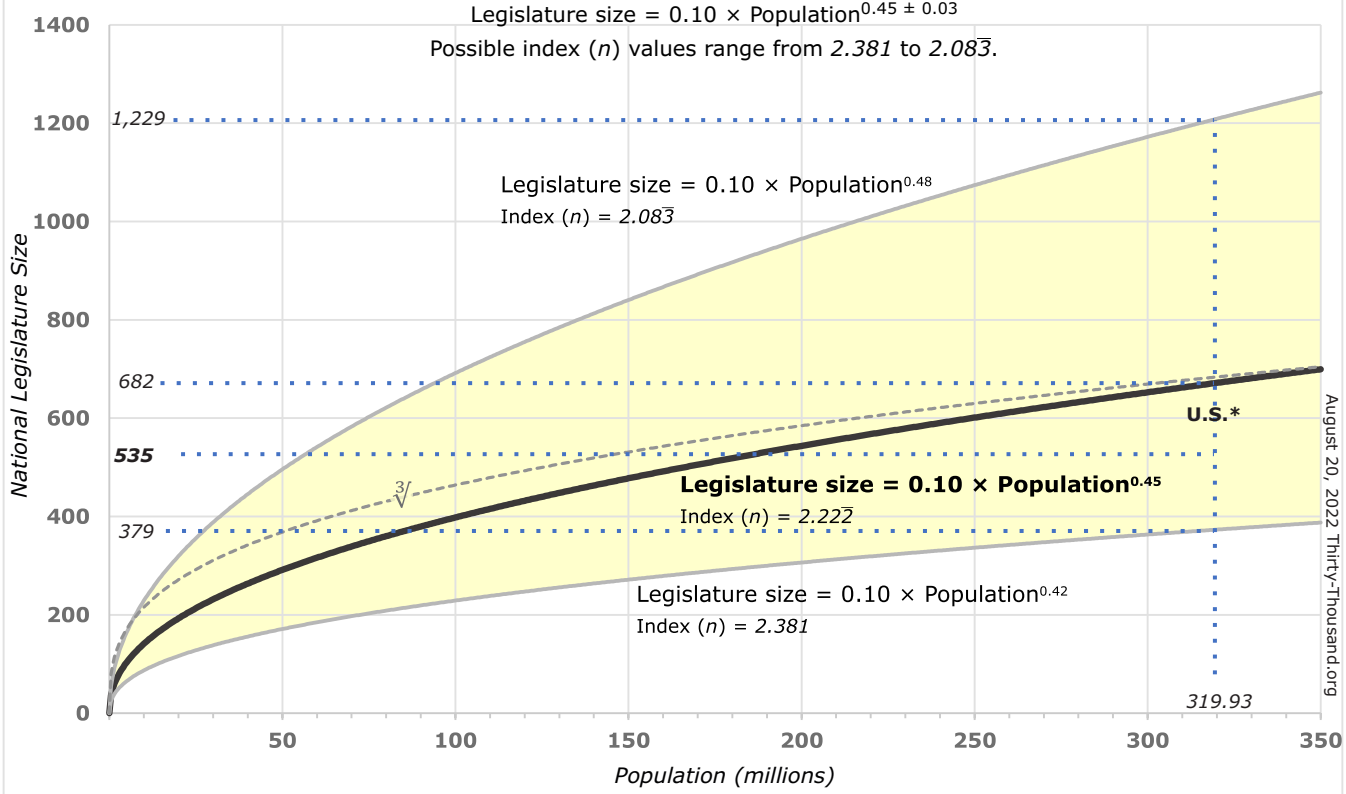
Least-Squares Regression Analysis of Legislature Sizes and Total Population†

Analysis of the 120-nation dataset used in Rein Taagepera's 1972 paper (Table 2) results in the following equation:

Legislature size = 0.10 × Population$^{0.45 \pm 0.03}$

Possible index (n) values range from *2.381* to *2.083̄*.



*US data point based on 2015 population provided only as a point of reference. For the purposes of this illustration, the total number of Senators (100) is added to the total number of Representatives (435) to arrive at a national legislature size of *535*.

†Giorgio Margaritondo, *Size of National Assemblies: The Classic Derivation of the Cube-Root Law is Conceptually Flawed.* (2000)

https://thirty-thousand.org/blog/cube-root-model/