

Identification Model

$$\text{Gerrymandering Score} = (\alpha \times \text{EG}) + (\beta \times \text{PVDA}) + (\gamma \times \text{PVDB})$$

EG = |(Party A's wasted votes - Party B's wasted votes)/Total votes|

PVDA = |(Total Party A votes/Total votes) - (Districts Party A won/ Total districts)|

PVDB = |(Total Party B votes/Total votes) - (Districts Party B won/ Total districts)|

Weights

$$\alpha = 50\% \quad 0.50$$

$$\beta = 25\% \quad 0.25$$

$$\gamma = 25\% \quad 0.25$$