

Input Election

- Statewide D vote share
- District D vote shares



Intermediate Results

- Estimate fractional seat probability
- Infer seats-votes curve
- Compute metrics



Output Metrics

- Efficiency gap ( $EG$ ) and proportionality ( $PR$ )
- Seat bias ( $\alpha_S$ ), vote bias ( $\alpha_V$ ), geometric seat bias ( $\beta$ ), and global symmetry ( $GS$ )
- Declination ( $\delta$ ), lopsided outcomes ( $LO$ ), and mean–median ( $MM$ )
- Winner’s bonus ( $R$ ) and responsiveness ( $\rho$ )