## Input Map

- Statewide D vote share
- District D vote shares

## **Intermediate Results**

- Estimate fractional seat probability
- Infer seats-votes curve

## **Output Metrics**

- Efficiency gap (EG), proportionality (PR), and gamma  $(\gamma)$
- 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)