# Bias & Fairness Testing

## Bias Detection Areas

👥 Demographic bias (age, sex, race)

🌍 Socioeconomic and geographic bias

♿ Disability and accessibility bias

🗣 Language and cultural bias

## Fairness Metrics

- **Demographic parity:** Equal outcomes across groups
- **Equalized odds:** Equal TPR and FPR across groups
- **Calibration:** Predictions equally accurate for all groups
- **Individual fairness:** Similar individuals treated similarly

**Test across diverse populations, especially vulnerable and underserved groups**