

Experiment Overview

**815 Adult
Personas**

**13 Policy
Topics**

Factorial Design

4 Alternative Dists
× 2 Voter Dists
× 13 Topics
× 10 Replications
× 5 Mini-reps

= 5,200 conditions

Phase 1: Data Generation

Voter Sampling

- Uniform (n=100)
- Clustered by ideology

Statement Generation (gpt-5-mini)

- Alt1: Persona only
- Alt2: Persona + context
- Alt3: Context only
- Alt4: Blind

Phase 2: Preference Building

Iterative Ranking (gpt-5-mini)

- 5 rounds of top-K/bottom-K
- 4-letter hash identifiers
- Per-round shuffling

**100×100
Preference
Matrix**

Phase 3: Winner Selection

Traditional Methods

- Schulze
- Borda
- IRV
- Plurality
- VBC

GPT Selection (gpt-5-mini)

- GPT: select from P
- GPT*: select from 100
(+Rank, +Pers variants)

GPT Generation (gpt-5-mini)

- GPT*: generate new
(given P statements)
- GPT***: blind generation

Evaluation

Critical Epsilon (ϵ^*) from Proportional Veto Core
Lower ϵ^* = better consensus (statement more broadly acceptable)