**Simulation Plan**

**Factors**

1. Number of Items (2): 10, 20

2. Number of examinees (3): 500, 1000, 2000

3. Type of Items (2): Extreme items only (delete intermediate items), with intermediate items (equally spaced location parameters from -2 to 2)

4. Response (2): dominance model (SGRM), ideal point model (GGUM)

5. Estimation (2): dominance model (SGRM), ideal point model (GGUM)

6. Magnitude of inflation (4): N(0, 1), N(0.5, 1), N (1,1), N (2,1)

2 \* 3 \*2 \* 2 \* 2 \* 4 = 192 conditions

**Repetitions :** 200 for each condition

**Criteria:**

chi-squares for item doubles and triples: average score or dichotomous?