MIRT Class Assignment

Run an Polytomous IRT analysis on the data from a scale covering generalized life purpose.

1. Reverse code items: 5, 8, 13 for a 1-7 Likert scale.
2. Calculate a GPCM on the data.
3. Include the following:
   1. ICCs for the GPCM.
   2. TIF for the GPCM.
4. Do the items appear to load onto one factor? Include the summary.
5. Interpret your findings:
   1. Items:
      1. Which questions are good items for discrimination?
      2. Which questions measure below average ability?
      3. Which questions measure above average ability?
      4. Use *a*, item traces, and IICs for the above questions to answer them.
   2. Answers:
      1. Do the item choices appear ordered?
      2. Are the choices all probable at some point of ability?