



IRTPRO Exercise

If you have a PC, please try this before Class 5.

1. Download Free [Student edition of IRTPRO for Windows](http://www.ssicentral.com/irt/downloads.html):

<http://www.ssicentral.com/irt/downloads.html>

2. Read IRTPRO Guide.pdf included in the download.

3. Download Class10.csv (command delimited data): N = 200, NI = 10, Dichotomous dataset (Simulated data) from <http://coshima.davidrifikis.com/EPRS9360/download.htm>.

4. Try IRTPRO analysis. Use 2PL. Use default for most options.

a. Obtain a and b parameters for the 10 items.

Q1: Which is the easiest item?

Q2: Which is the hardest item?

Q3: Which is the most discriminating item?

b. Obtain thetas for 200 examinees.

Q4: Who has the highest theta?

c. Examine ICC's.

d. See if you can get external files:

Item Parameter files (e.g., Class10.Test1-prm.txt)

Theta Parameter files (e.g., Class10.Test1-sco.txt)