

Excel HW 7 Revised

Linking

Link the following two sets of item parameter estimates coming from three common items. Transform the reference group item parameter estimates to the scale of focal group item parameter estimates. The goal is to come up with two linking coefficients (**alpha and beta**).

Using Excel, create a linking program. The method you use will be the test characteristic curve (TCC) method. **See Video E5120**. For TCC, you need to use the Solver function with Excel. Note: Some Excel versions have a problem with Solver. If your Solver does not work, instead of the TCC linking, you can use mean and sigma method, which is substantially easier.

For R users, you may want to try plink, <https://cran.r-project.org/web/packages/plink/index.html>.

To Metric			From Metric		
Focal Item Parameters			Reference Item Parameters. Before Linking		
a	b	c	a	b	c
3.082	1.075	0.1	0.9246	1.9167	0.1
4.811	0.2347	0.06	1.4433	-0.8845	0.06
3.272	0.4337	0.19	0.9816	-0.221	0.19

Good luck! This is a challenging task!

