Psychometrics - Hw7 Solutions

- #1
- a) Gordon's Self-Concept Inventory: 0.70, 0.64, 0.73, 0.66
 Piers-Harris Inventory: 0.80, 0.79, 0.73, 0.80
- b) 0.78, 0.59, 0.55, 0.80
- c) Physical appearance & Academic adequacy School studies
- d/e) most of them are above 0.5, which is relatively large. HM & HH coefficients should be small ... indicating good discriminant validity. Thus, these traits' construct validity is questionable.
- f) Recall that

So:

- (1) phys appearance: $0.78 = \frac{P_{xy}}{\sqrt{0.70}} \rightarrow P_{xy} = 0.58$
- (2) social popularity: $0.59 = \frac{P_{XY}}{\sqrt{0.59}} \rightarrow P_{XY} = 0.42$
- (3) Interplantiety: $0.55 = \frac{P_{XY}}{\sqrt{0.73}} \longrightarrow P_{XY} = 0.40$
- [4] Acad | school: 0.80 = Pxy -> Pxy = 0.58

