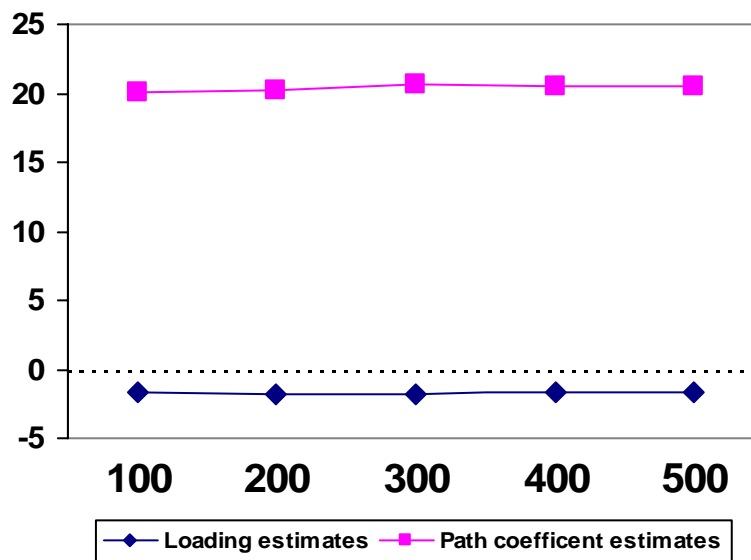


Web Errata for “A Comparative Study on Parameter Recovery of Three Approaches to Structural Equation Modeling (Hwang, Naresh, Kim, Tomiuk, & Hong, 2010, Vol. XLVII, August, pp. 699-712)”

We recently identified an error in our program for generalized structured component analysis, which was used for the simulation study reported in the article.¹ In the previous program, we standardized observed variables while normalizing latent variables. We now fixed this scaling inconsistency by normalizing both observed and latent variables. We have checked whether the error influenced our simulation results substantially, thus requiring changes in our conclusions and recommendations in the article. We have conducted another simulation for generalized structured component analysis, using the new program. We found that the error did not change our conclusions and recommendations. The mean absolute differences of the parameter estimates and standard errors of generalized structured component analysis remained almost identical to those reported in the article. Moreover, the mean squares errors of the parameter estimates and standard errors of generalized structured component analysis were quite similar to those in the article. The only noticeable difference was found in the direction of the (average) relative biases of the parameter estimates under correct specification. Specifically, in the article, we reported that the loading estimates of generalized structured component analysis generally had a tolerable level of positive bias (less than 10%), whereas the path coefficient estimates were negatively biased. However, the new simulation showed that the loading estimates had an acceptable level of negative bias, whereas the path coefficient estimates were positively biased (see Figure 1).

Figure 1. The average relative biases of parameter estimates of generalized structured component analysis obtained from our new simulation under correct specification across different sample sizes (100 to 500).



¹ We are grateful to Dr. Jörg Henseler for his personal inquiries and comments that helped to detect this error.