A closer look at fixed effects regression in structural equation modeling using lavaan

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ABSTRACT

This article provides an in-depth look at fixed effects regression in the structural equation modeling (SEM) framework, specifically the application of fixed effects in the lavaan package for R. It is meant as a applied guide for researchers, covering the underlying model specification, syntax, and summary output. Online supplementary materials further discuss various common extensions to the basic fixed-effect model, demonstrating how to relax model assumptions, deal with measurement error in both the dependent and independent variables, and include time-invariant predictors in a type of hybrid fixed-/ random effects model.

KEYWORDS

Fixed effects, structural equation modeling, lavaan, R, panel analysis