Bootstrap confidence intervals in PLS-SEM

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Language: English

Partial least squares structural equation modeling (PLS-SEM) has become a standard approach for analyzing complex cause-effect relationships in business research. When using PLS-SEM, researchers frequently compare model estimates across two or more groups of data (e.g., males vs. females). To test whether such differences are statistically significant, researchers can draw on several approaches to multigroup analysis. One of these approaches entails comparing group-specific confidence intervals by checking their degree of overlap.

The aim of this thesis is to review options to multigroup analysis on the grounds of confidence intervals. Based on a general description of PLS-SEM and multigroup analysis techniques, the thesis should critically discuss ways to construct confidence intervals and their use for parameter comparisons.

References:

