

# Examining Sources of Differential Item Functioning

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## Abstract

Recently two methods have been developed in examining sources of DIF. These are the Simultaneous Item Bias Test (SIBTEST) proposed by Shealy and Stout (1993) and an application of hierarchical logistic regression (Swanson, et al., 2002). There have been very limited applications of these two approaches to examining sources of DIF. The SIBTEST methodology has only been used to identify sources of DIF in a limited set of studies. The hierarchical logistic regression approach has only been applied to two data sets (Swanson, et al., 2002). Both of these methodologies can be promising but need to be examined for their sensitivity to identifying sources of DIF in a variety of testing contexts. This research will compare the sensitivity of the two methods to detecting the accurate sources of DIF, using simulated data.

## References

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