
Don't ask too many questions: Stochastic curtailment of questionnaire data

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Summary. Stochastic Curtailment (SC) is a method for analyzing interim accumulating data which was first developed for clinical trials (Demets & Lan, 1984). Recently it has been used as a method for early-stopping in the administration of questionnaires by computer for classification into two classes (Finkelman, Smits, Kim, & Riley, 2012; Fokkema, Smits, Kelderman, Carlier, & van Hemert, 2014). Test data should consist of units that sum to some total such as items in a survey, and a critical value on it should be available. It has been noted that SCs construction phase is rather laborious; the main issue is dealing with structural zeros and dichotomizing sum scores. In this presentation SC is introduced and new solutions to these problems are presented as well as some new features such as a method for dynamic item selection.

References

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Keywords

Computerized testing, Curtailment, Efficient measurement.