

Chapter 11 – Methodology of Psychometric Qualities

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ABSTRACT

The purpose of this chapter is: (a) to provide the philosophical and pragmatic considerations for the use of Rasch Measurement Theory as the designated psychometric methodology used to evaluate the MCAs, and (b) to provide an overview of the technical properties of the data analysis procedures used in the MCA analyses. Specifically, this chapter includes discussion of the benefits of the psychometric properties of Rasch Measurement Theory, description of the Multifaceted Rasch Partial Credit Model, and overview of the statistics and indices used to infer the overall quality of measurement using the MCAs.