

Item Response Theory Using the ltm Package

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Item Response Theory has been steadily evolving in the past few decades and is starting to become one of the standard tools in modern psychometrics. The R package ltm has been developed to fit various latent trait models useful for Item Response Theory analyses. In particular, for dichotomous data the Rasch, the Two-Parameter Logistic, and Birnbaum's Three-Parameter models have been implemented, whereas for polytomous data Semejima's Graded Response model is available. In this talk the capabilities of ltm will be illustrated using real data examples.