Testing in Conditional Likelihood Context:
The R Package tcl

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Abstract

An implementation of extended Rasch modeling hypothesis testing in R. Provides 4 statistical tests, i.e. gradient test (GR), likelihood ratio test (LR), Rao score or Lagrange multiplier test (RS), and Wald test, for testing a number of hypotheses referring to the Rasch model (RM), linear logistic test model (LLTM), rating scale model (RSM), and partial credit model (PCM).

Keywords: **tcl** Package, Rasch Model (RM), LLTM, RSM, LRSM, PCM, LPCM, CML estimation.