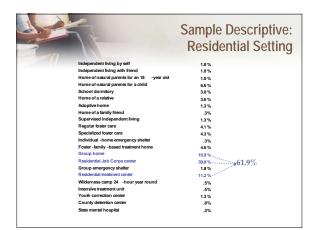


The Rasch Measurement Model

(respondents guessing) models are used to explain variance in

the measurement model.



 Ability to perform item level analysis Error estimates and item fit indices

Category (scale) analysis

the construct being measured

• Differential item function (DIF)

information

Reliability (both person and item reliability)
Assessment of item independence and item redundancy

Identification of idiosyncratic use of scale categories

· Identification of response scale categories that offer little or no

• Items are calibrated in terms of difficulty, and contribute differentially to

Rasch model is closest in correspondence to the raw score model

- Group bias (age, gender,racial/ethnic, cultural, language groups)

The Rasch model, as opposed to 2- and 3-parameter models, questions how well empirical data (measure scores/responses) fit in terms of the measurement model constraints. - The additional parameters in 2PL (item difficulty) and 3PL • The Rasch model provides "sample invariant" (sample independent) item calibrations, item difficulties (δ), from easy to hard - no impairment to severe impairment. Rasch also yields fit statistics that provide information regarding a respondent's expected response in comparison to his/her actual response.

