IRTtool.com

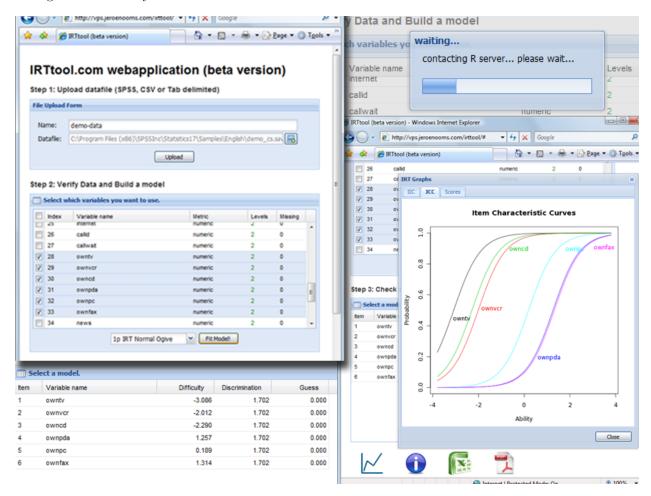
Jeroen Ooms¹

- 1. Dept. of Methodology and Statistics, Utrecht University.
- * Contact author: jeroenooms@gmail.com

Keywords: Webapplication Interface Internet IRT

IRTtool.com is a webinterface for the cran package ltm by Dimitris Rizopoulos. The application facilitates 1 parameter (Rasch), 2 parameter and 3 parameter IRT modeling, through means of a web-application. Other options include importing and exporting data, plotting information curves and exporting to PDF.

The application is an attempt to make IRT modeling more easily available for applied researchers. However, it is also meant to show the potential of R as a scripting language for statistical web applications. New developments can quickly be made available to a wide audience, and in the near future webbased data management and analysis could become a serious alternative to commercial statistical software.



References

Dimitris Rizopoulos (2006). ltm: An R package for Latent Variable Modelling and Item Response Theory Analyses, Journal of Statistical Software, 5, 1–25.

Jeffrey Horner (2009). rapache: Web application development with R and Apache. http://biostat.mc.vanderbilt.edu/rapache

http://www.irttool.com//http://www.jeroenooms.com