Whats’ beyond Concerto: An introduction to the R package \textit{catR}

Final comments

The Psychometrics Centre, Cambridge, June 10th, 2014
Final comments

This workshop focused on

- IRT and CAT
- R software and R package \textit{catR}
- Practical applications of \textit{catR} with a live demonstration

\textit{catR} is

- \textbf{open source} and freely accessible
- \textbf{complete} (for dichotomous and polytomous IRT models)
- \textbf{flexible}
- \textbf{regularly updated}
Final comments

Several aspects were not covered by this workshop:

- **content balancing**: can be controled with appropriate design of the item bank and options in `randomCAT`
- **post-hoc simulations**: CAT responses are randomly drawn from the theoretical distribution of a Bernoulli variable, but real (observed) responses can be provided instead
- **generation of numerous response patterns simultaneously**: feasible with the `simulateRespondents` function (works similarly to `randomCAT`)
- **only a few options for next item selection and proficiency estimation** were illustrated
Final comments

Future plans for catR:

• incorporate multidimensional IRT models
• incorporate testlet IRT models
• incorporate response-time IRT models
• ...
• make catR THE most complete and stable R package for adaptive testing
Final comments

To get more information about *catR*:

- The *catR* help files...
- ... or send me (an) email(s) :-)

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THANK YOU!