

Appendix A

Response Time Characteristic Curve

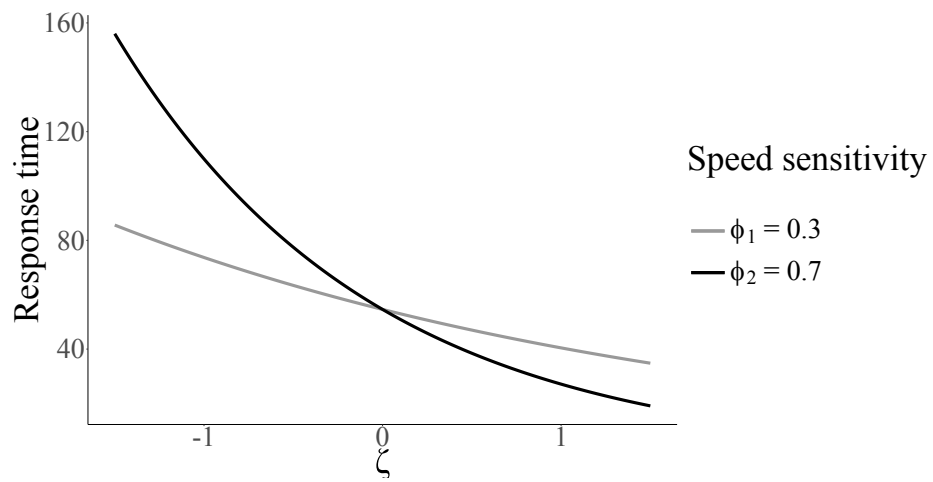


Figure A1. Response Time Characteristic Curve of two items with identical time intensity ($\lambda_k = 4$) and differing item speed sensitivity parameters ϕ_k .

Appendix B

Item Numbers Not Reached

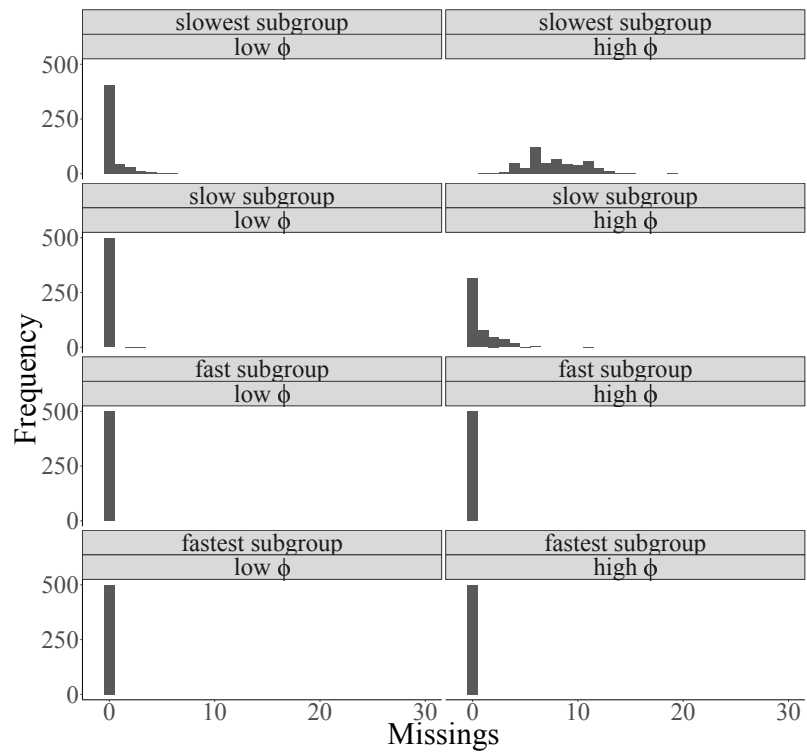


Figure B1. Number of not reached items for the low and high speed sensitivity test form, across the four subgroups. Results shown for a randomly selected single replication.

Appendix C

Ability Estimation Bias

Table C1

Analysis of Bias in Person Parameter Estimation and Differences in Bias Between Booklets for Speed Subgroups, Averaged Across All Replications.

Speed	low ϕ	high ϕ	Diff
slowest	-0.04	-0.56	0.52
slow	0.00	-0.06	0.06
fast	0.00	0.00	0.00
fastest	0.00	0.00	0.00