References

Curtis, S. M. (2010). Bugs code for item response theory. *Journal of Statistical Software, Code Snippets*, *36*(1), 1–34. Retrieved from `https://www.jstatsoft.org/index.php/jss/article/view/v036c01` doi: 10.18637/jss.v036.c01

Gabry, J., Češnovar, R., Johnson, A., & Bronder, S. (2024). cmdstanr: R interface to 'cmdstan' [Computer software manual]. Retrieved from `https://mc-stan.org/cmdstanr/` (R package version 0.8.1, https://discourse.mc-stan.org)

Gelman, A., & Hill, J. (2006, 11). Data analysis using regression and multilevel/hierarchical models. In (Vol. 3). doi: 10.1017/CBO9780511790942

Hoffman, M. D., & Gelman, A. (2014). The no-u-turn sampler: adaptively setting path lengths in hamiltonian monte carlo. *Journal of Machine Learning Research*, *15*(1), 1593–1623.

Kucukelbir, A., Tran, D., Ranganath, R., Gelman, A., & Blei, D. M. (2016). *Automatic differentiation variational inference.* Retrieved from `https://arxiv.org/abs/1603.00788`

König, C., Spoden, C., & Frey, A. (2022). Robustness of the performance of the optimized hierarchical two-parameter logistic irt model for small-sample item calibration. *Behavior Research Methods*. doi: 10.3758/s13428-022-02000-5

Qiu, M., & Yuan, K. (2023). *Label switching in latent class analysis: Accuracy of classification, parameter estimates, and confidence intervals.* doi: 10.1080/10705511.2023.2213842

Stan Development Team. (2024). Stan modeling language users guide and reference manual [Computer software manual]. Retrieved from `https://mc-stan.org/` (Version 2.35.0)

Vehtari, A., Gelman, A., Simpson, D., Carpenter, B., & Bürkner, P.-C. (2021). Rank-normalization, folding, and localization: An improved $\widehat{R}$ for assessing convergence of mcmc. , *16*. doi: 10.1214/20-BA1221