

APPENDIX A – TRACE PLOTS

Trace plots can be useful to diagnose issues in sampling when using Monte Carlo methods. Figures 5 through 8 show trace plots for the four included analyses. Specifically, since there are no visible trends in the plots, the sampling was likely well dispersed over likely parameter values.

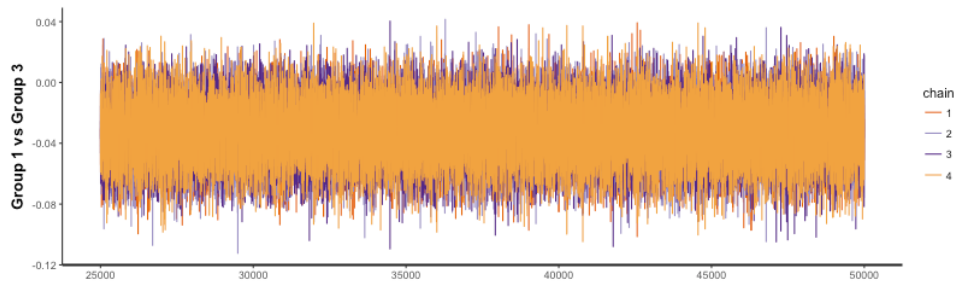


Figure 5 – Trace plot from Markov chain Monte Carlo sampling - AUDIT-C model (Equation 1) Group 1 vs 3

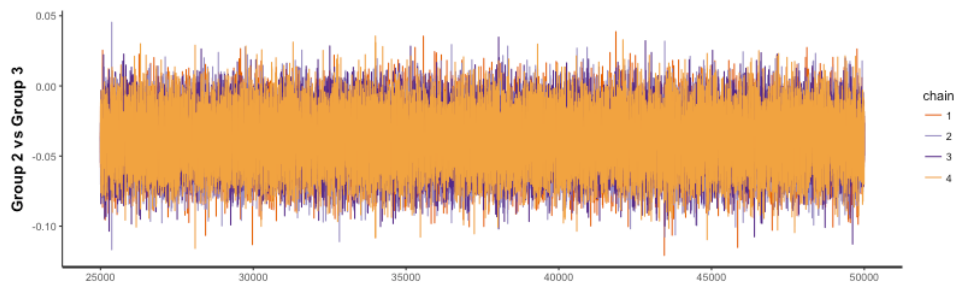


Figure 6 - Trace plot from Markov chain Monte Carlo sampling - AUDIT-C model (Equation 1) Group 2 vs 3

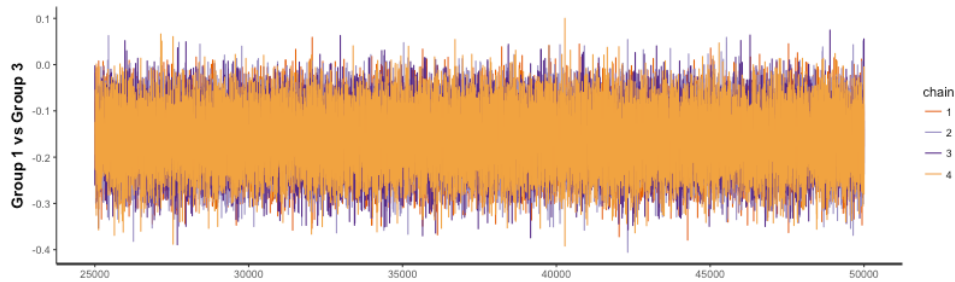


Figure 7 - Trace plot from Markov chain Monte Carlo sampling – risky drinking model (Equation 2) Group 1 vs 3

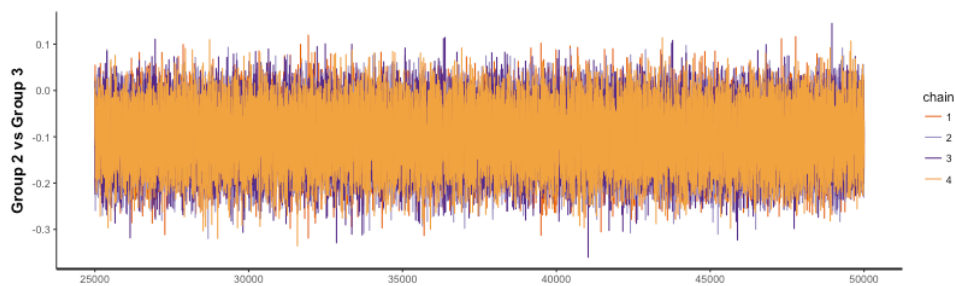


Figure 8 - Trace plot from Markov chain Monte Carlo sampling – risky drinking model (Equation 2) Group 2 vs 3