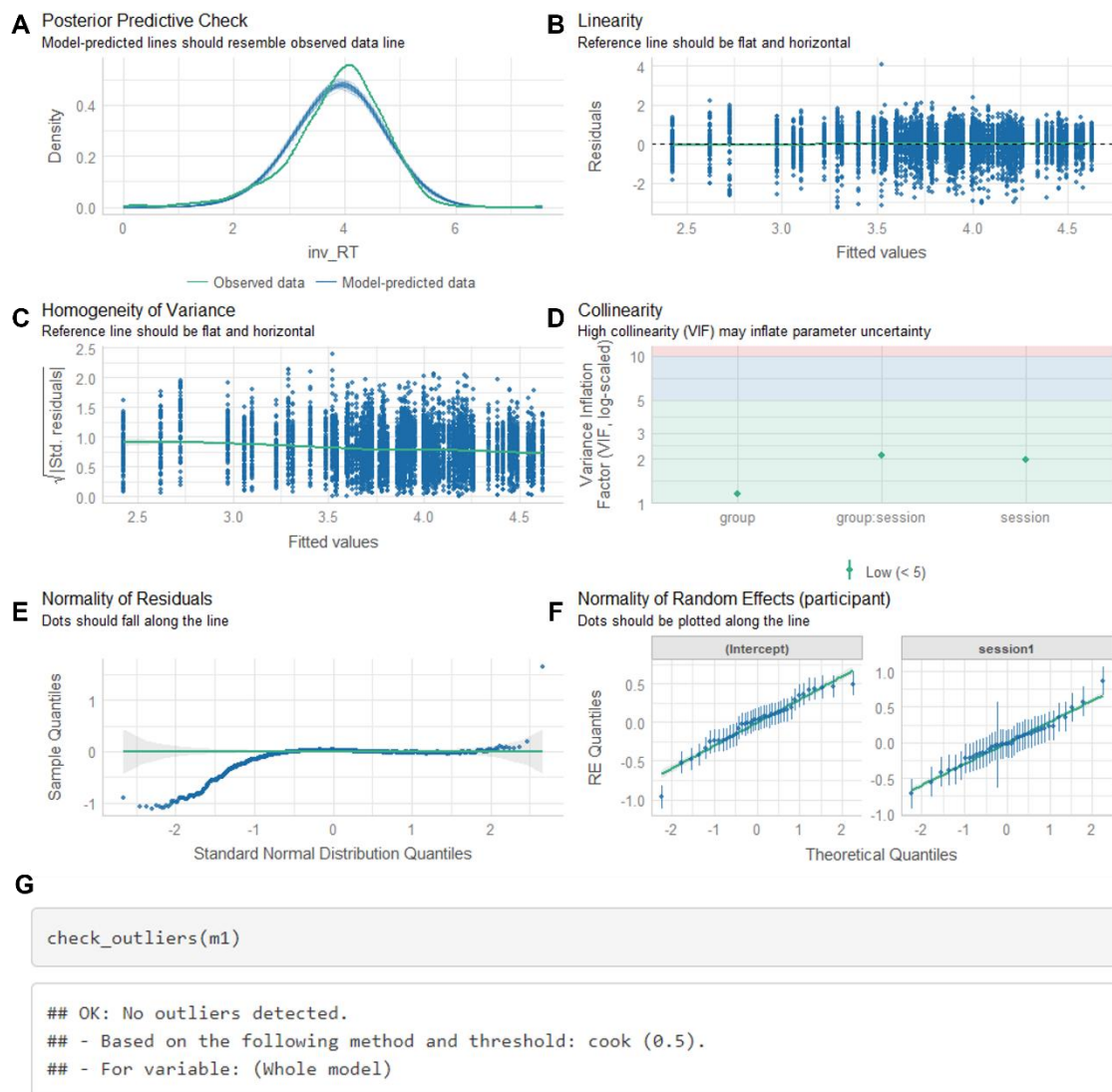
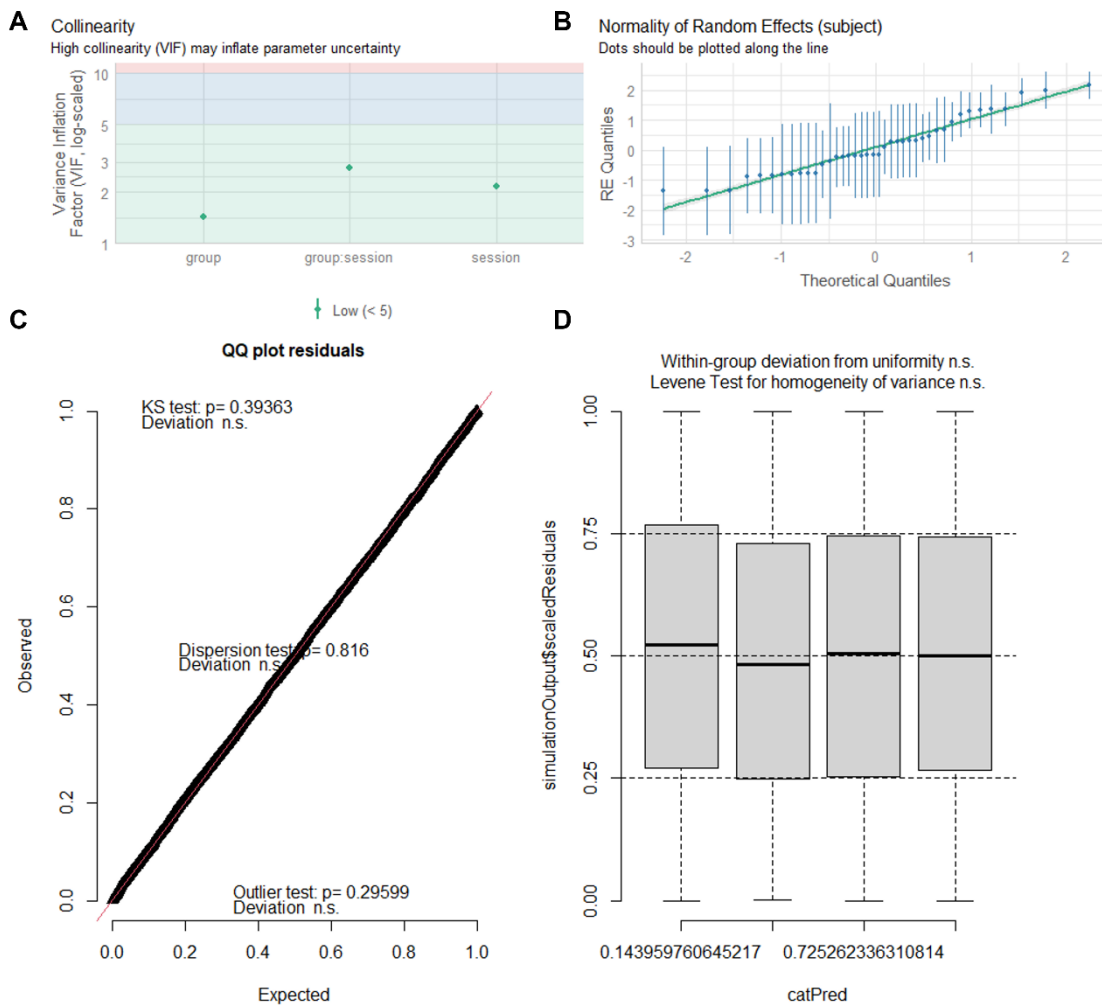


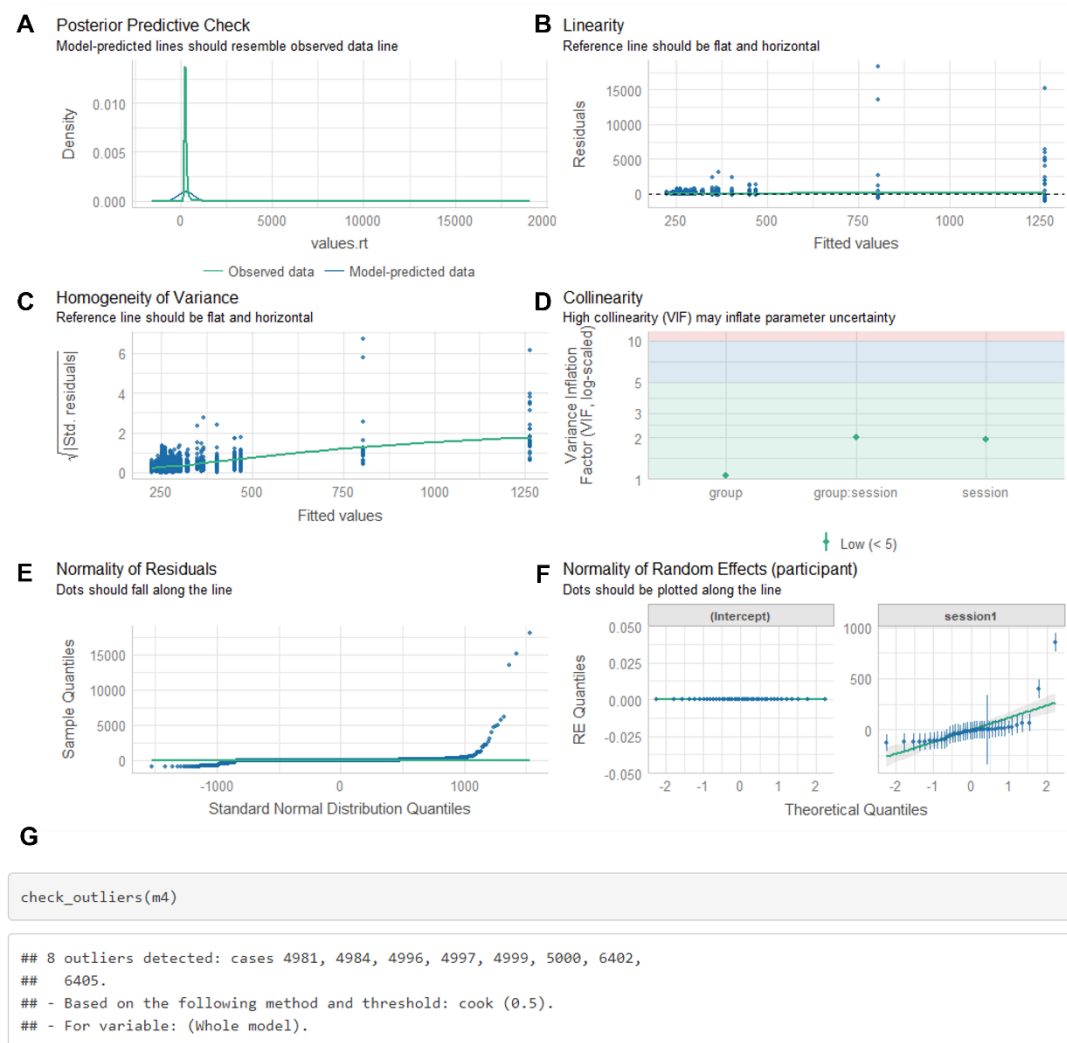
Appendix 6.4 – MEM Assumption Checking of PVT Models



Appendix Figure 6.4a. Plots (and script with output) used to check the MEM assumptions for the model created to test the effects of group (CON vs. TSD) and session (baseline vs. experimental) on PVT RS. Individual panels used to assess A. Overall model fit, B. Linearity of effects, C. Homoscedasticity, D. Multicollinearity, E. Normality of conditional residuals, F. Normality of random effects, G. Influential observations.



Appendix Figure 6.4b. Plots used to check the MEM assumptions for the model created to test the effects of group (CON vs. TSD) and session (baseline vs. experimental) on PVT Lapses. Individual panels used to assess A. Multicollinearity, B. Normality of random effects, C. Uniformity of scaled residuals/ overall model fit (QQ-plot and KS test), outliers (outlier test), D. Homoscedasticity (Levene Test).



Appendix Figure 6.4c. Plots (and script with output) used to check the MEM assumptions for the model created to test the effects of group (CON vs. TSD) and session (baseline vs. experimental) on PVT RT. Individual panels used to assess A. Overall model fit, B. Linearity of effects, C. Homoscedasticity, D. Multicollinearity, E. Normality of conditional residuals, F. Normality of random effects, G. Influential observations.