Posterior Predictive Check Model-predicted lines should resemble observed data line 0.02 Density 0.01 0.00 50 100 score_social Observed data — Model-predicted data Homogeneity of Variance Reference line should be flat and horizontal 1.5 √|Std. residuals| 1.0 0.5 80 100 40 60 Fitted values Collinearity High collinearity (VIF) may inflate parameter uncertainty Variance Inflation Factor (VIF, log-scaled) 10 allocation_group allocation_group:visit visit Low (< 5) Normality of Random Effects (record_id) Dots should be plotted along the line 25 RE Quantiles 0

0

Theoretical Quantiles

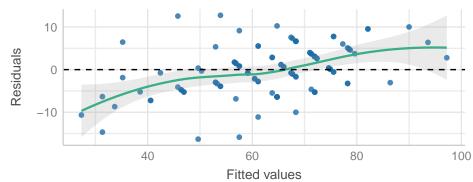
2

-25

-50

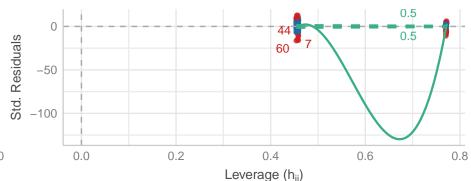
-2

Linearity Reference line should be flat and horizontal

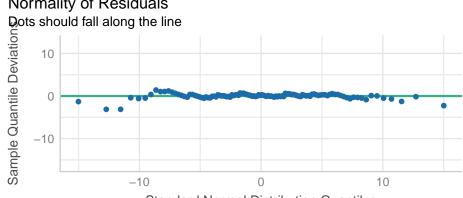


Influential Observations

Points should be inside the contour lines



Normality of Residuals



Standard Normal Distribution Quantiles