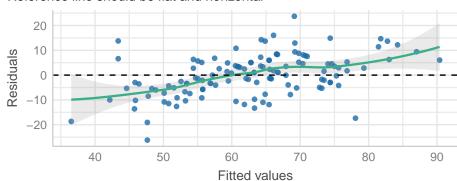
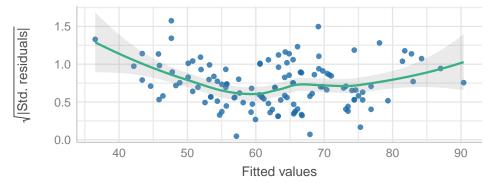
Posterior Predictive Check Model-predicted lines should resemble observed data line 0.03 Density 0.02 0.01 0.00 25 75 100 125 score_physical Observed data — Model-predicted data Homogeneity of Variance

Linearity Reference line should be flat and horizontal

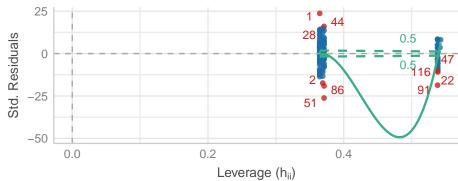


Reference line should be flat and horizontal



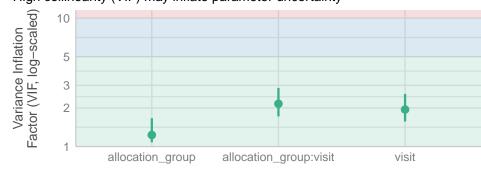
Influential Observations

Points should be inside the contour lines



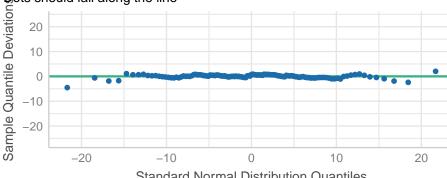
Collinearity

High collinearity (VIF) may inflate parameter uncertainty



Normality of Residuals

Dots should fall along the line



Standard Normal Distribution Quantiles

Low (< 5) Normality of Random Effects (record_id)

Dots should be plotted along the line

