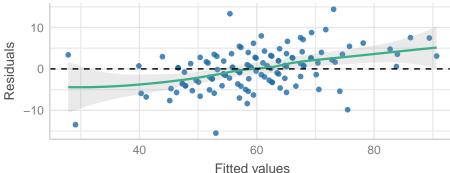
Posterior Predictive Check Model-predicted lines should resemble observed data line 0.03 0.02 0.01 0.00 25 50 75 100 score_environment

Observed data — Model-predicted data

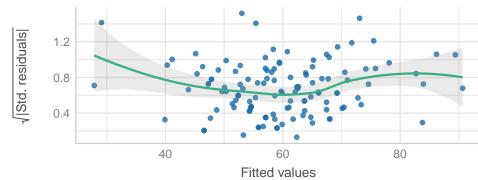
Residuals

Linearity Reference line should be flat and horizontal



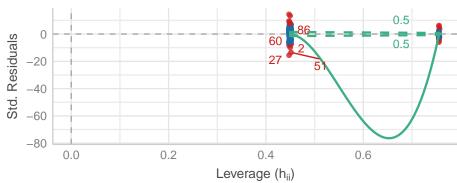
Homogeneity of Variance

Reference line should be flat and horizontal



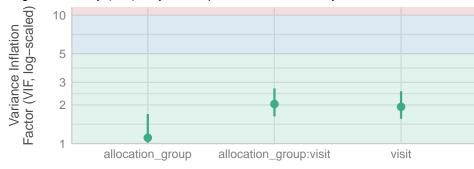
Influential Observations

Points should be inside the contour lines



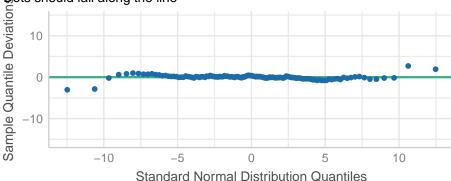
Collinearity

High collinearity (VIF) may inflate parameter uncertainty



Normality of Residuals

Dots should fall along the line





Normality of Random Effects (record_id)

Dots should be plotted along the line

