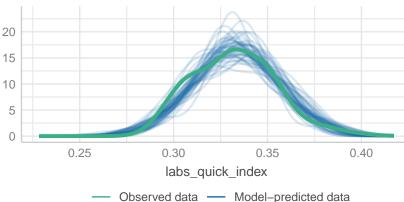
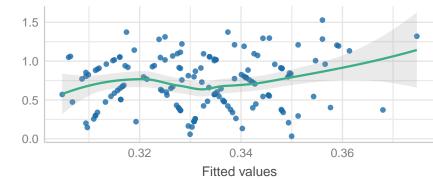
Posterior Predictive Check Model-predicted lines should resemble observed data line



Homogeneity of Variance

Reference line should be flat and horizontal

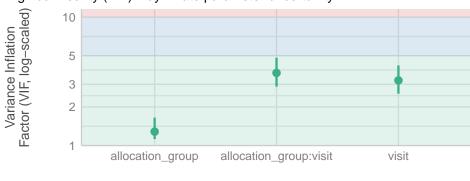


Collinearity

Density

√|Std. residuals

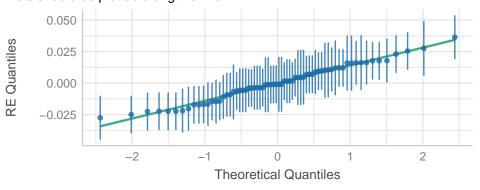
High collinearity (VIF) may inflate parameter uncertainty



Low (< 5)

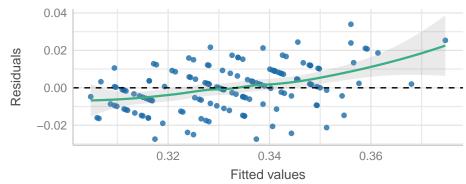
Normality of Random Effects (record_id)

Dots should be plotted along the line



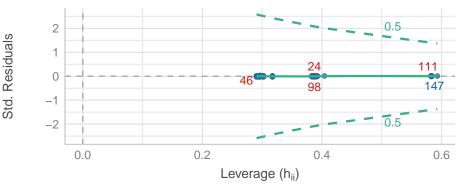
Linearity

Reference line should be flat and horizontal



Influential Observations

Points should be inside the contour lines



Normality of Residuals

