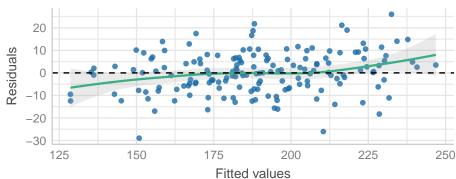
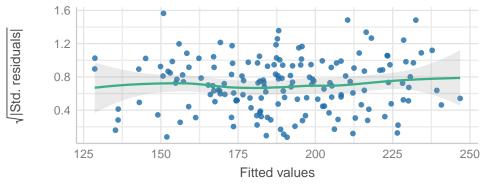
Posterior Predictive Check Model-predicted lines should resemble observed data line 0.015 Density 0.010 0.005 0.000 100 150 200 250 300 labs_cholesterol Observed data — Model-predicted data

Linearity Reference line should be flat and horizontal



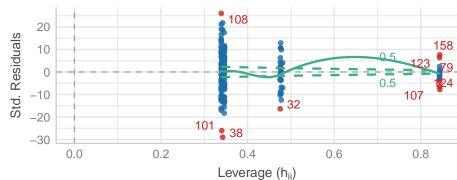
Homogeneity of Variance

Reference line should be flat and horizontal



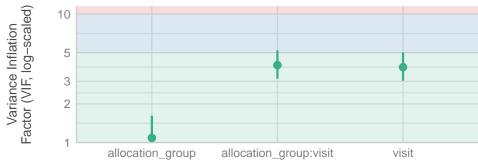
Influential Observations

Points should be inside the contour lines



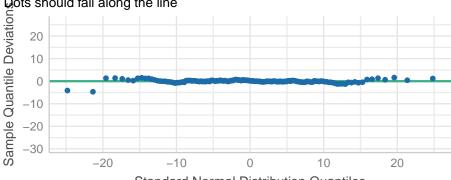
Collinearity

High collinearity (VIF) may inflate parameter uncertainty



Normality of Residuals

Dots should fall along the line



Standard Normal Distribution Quantiles

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

Dots should be plotted along the line

