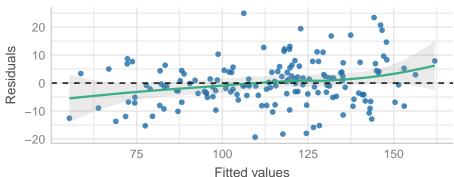
Model-predicted lines should resemble observed data line 0.020 0.015 Density 0.010 0.005 0.000 100 150 200 labs_ldl Observed data — Model-predicted data

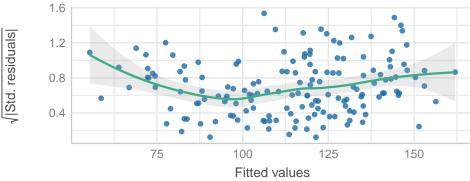
Linearity Reference line should be flat and horizontal



Homogeneity of Variance

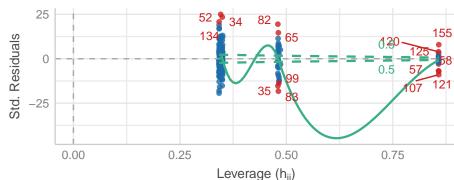
Posterior Predictive Check

Reference line should be flat and horizontal



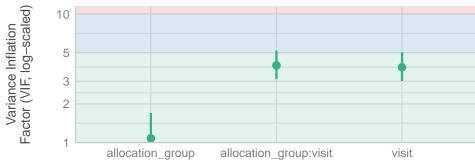
Influential Observations

Points should be inside the contour lines

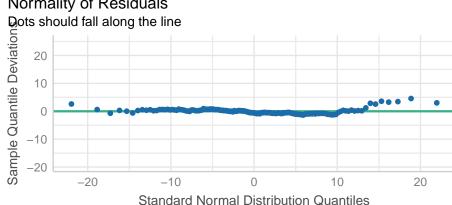


Collinearity

High collinearity (VIF) may inflate parameter uncertainty



Normality of Residuals





Normality of Random Effects (record_id) Dots should be plotted along the line

