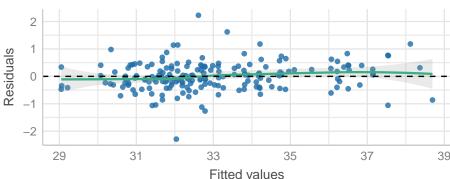
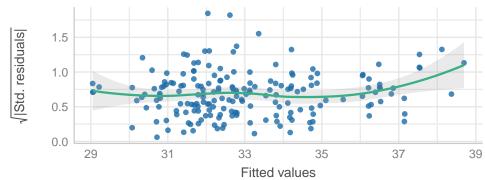
Posterior Predictive Check Model-predicted lines should resemble observed data line 0.20 Density 0.15 0.10 0.05 0.00 30 35 bmi

Linearity Reference line should be flat and horizontal



Homogeneity of Variance

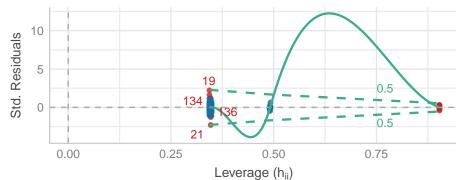
Reference line should be flat and horizontal



Observed data — Model-predicted data

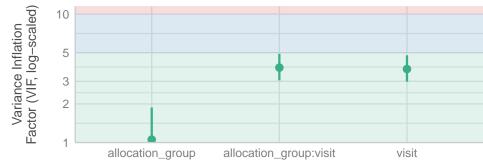
Influential Observations

Points should be inside the contour lines

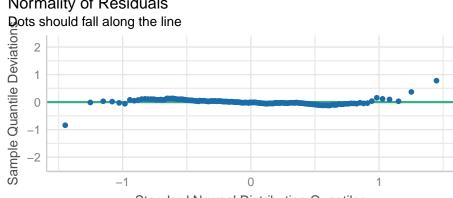


Collinearity

High collinearity (VIF) may inflate parameter uncertainty



Normality of Residuals



Standard Normal Distribution Quantiles

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

Dots should be plotted along the line

