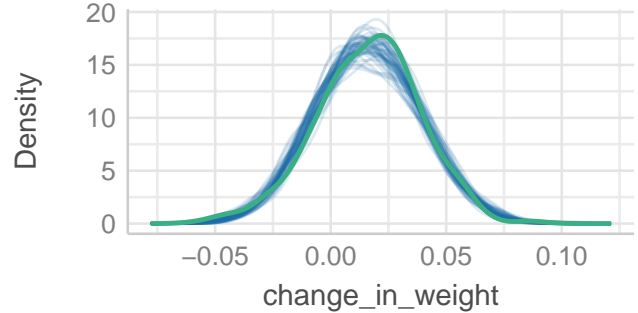


Posterior Predictive Check

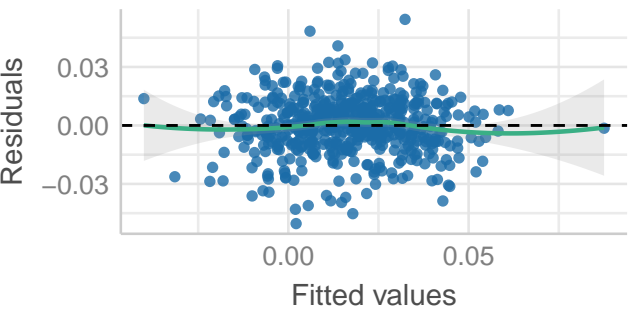
Model-predicted lines should resemble observed data



Model-predicted data — Observed data — Observed data

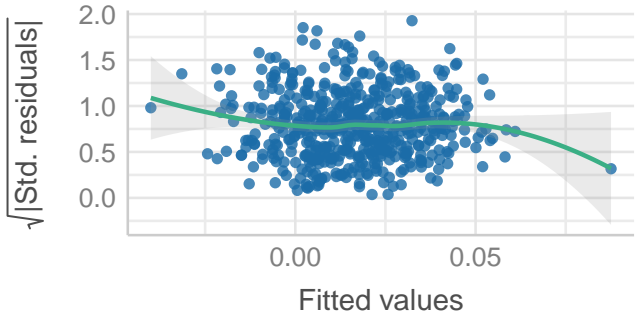
Linearity

Reference line should be flat and horizontal



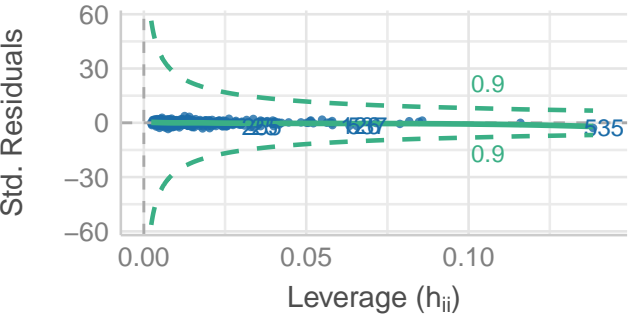
Homogeneity of Variance

Reference line should be flat and horizontal



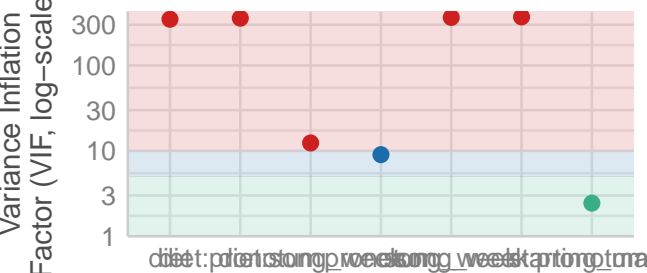
Influential Observations

Points should be inside the contour lines



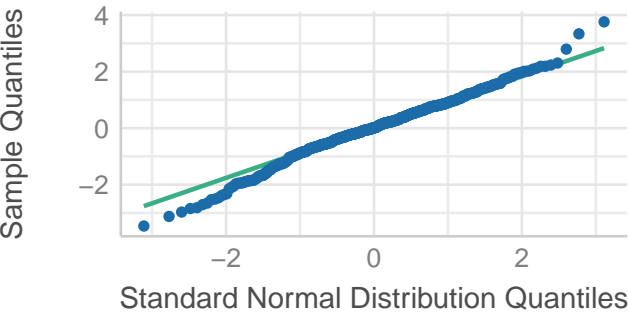
Collinearity

High collinearity (VIF) may inflate parameter uncertainty



Normality of Residuals

Dots should fall along the line



Low (< 5) Moderate (< 10) High (...)