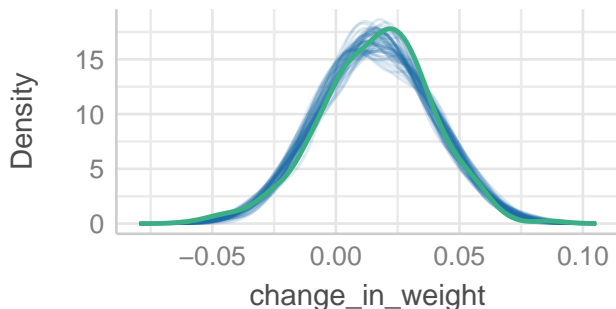


## Posterior Predictive Check

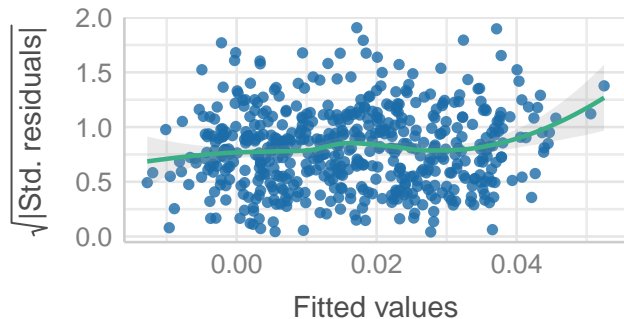
Model-predicted lines should resemble observed data



l-predicted data — Observed data — Observed data

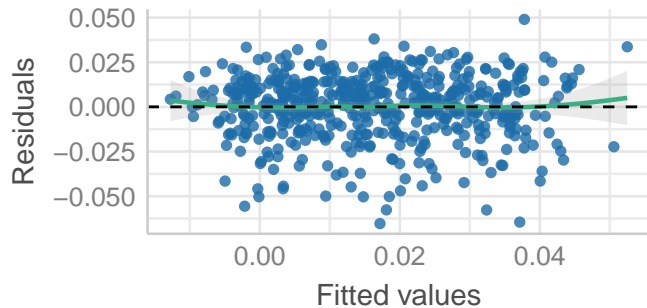
## Homogeneity of Variance

Reference line should be flat and horizontal



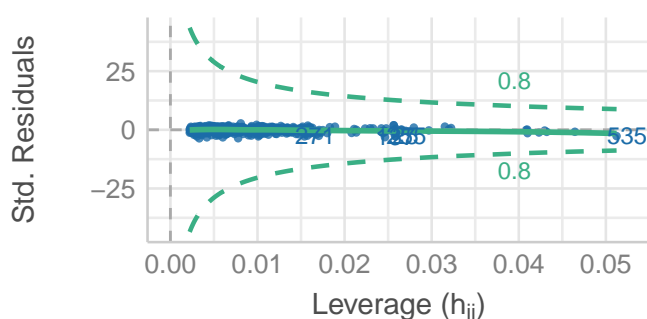
## Linearity

Reference line should be flat and horizontal



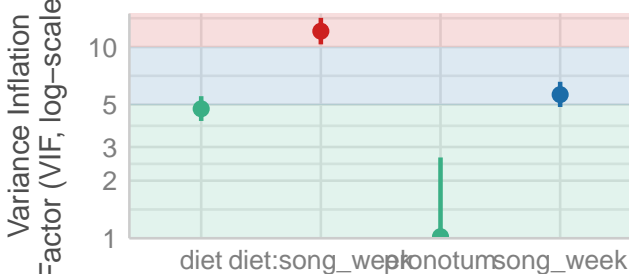
## Influential Observations

Points should be inside the contour lines



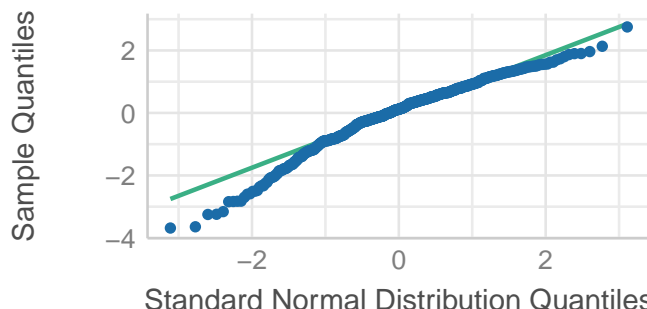
## Collinearity

High collinearity (VIF) may inflate parameter uncertain



## Normality of Residuals

Dots should fall along the line



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