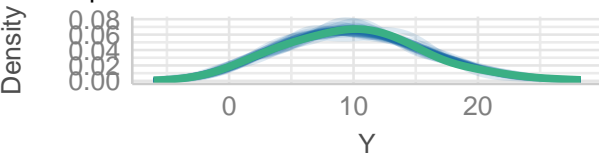


Posterior Predictive Check

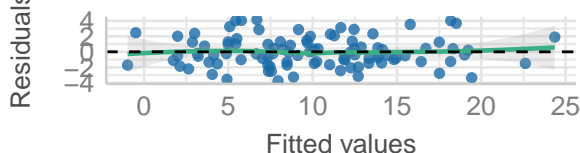
Model-predicted lines should resemble observed data line



— Observed data — Model-predicted data

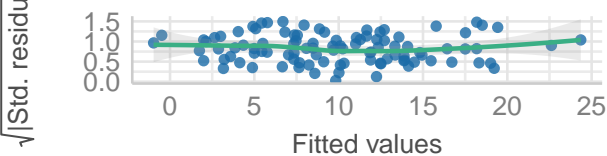
Linearity

Reference line should be flat and horizontal



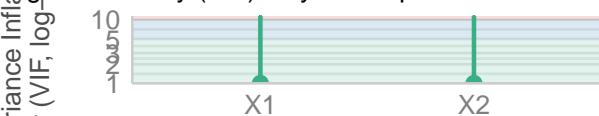
Homogeneity of Variance

Reference line should be flat and horizontal



Collinearity

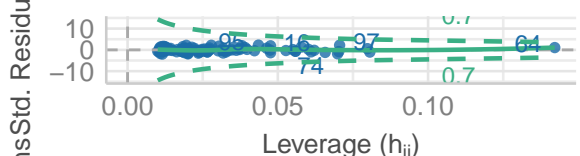
High collinearity (VIF) may inflate parameter uncertainty



● Low (< 5)

Influential Observations

Points should be inside the contour lines



Normality of Residuals

Points should fall along the line

