Posterior Predictive Check
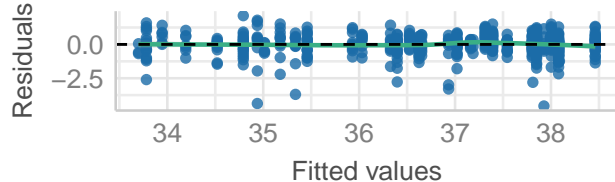Model−predicted lines should resemble observed data lines
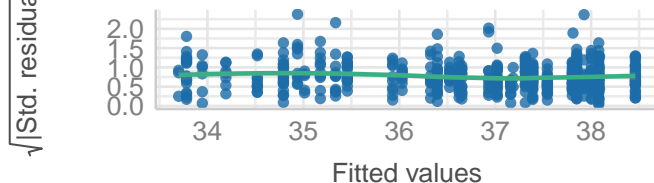
Linearity
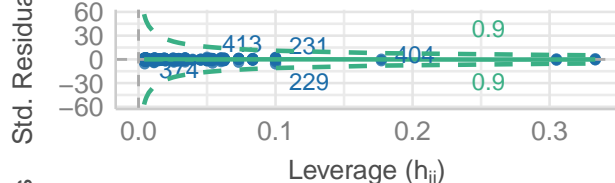Reference line should be flat and horizontal

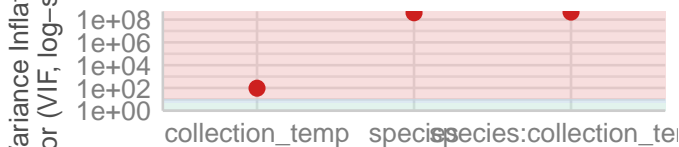## Homogeneity of Variance
Reference line should be flat and horizontal

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