# Posterior Predictive Check Model-predicted lines should resemble observed data line 0.12 0.08 0.04 0.00 weight\_g — Model-predicted data— Observed data Homogeneity of Variance

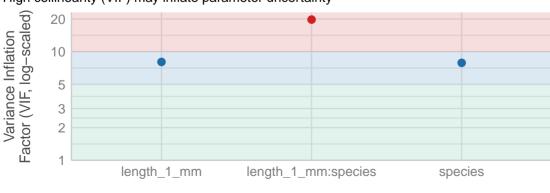
## Homogeneity of Variance Reference line should be flat and horizontal

25 50
Fitted values

### Collinearity High collinearity (VIF) may inflate parameter uncertainty

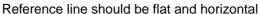
0

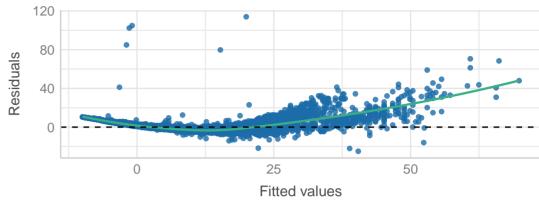
0



♦ Low (< 5) ♦ Moderate (< 10) ♦ High (= 10)

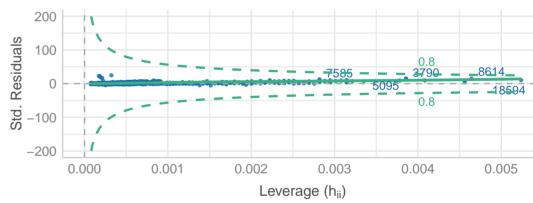
#### Linearity





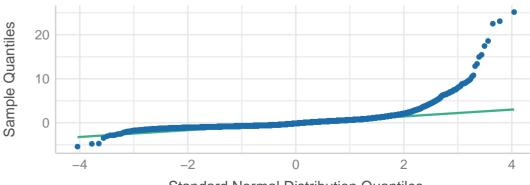
#### Influential Observations

#### Points should be inside the contour lines



#### Normality of Residuals

#### Dots should fall along the line



Standard Normal Distribution Quantiles