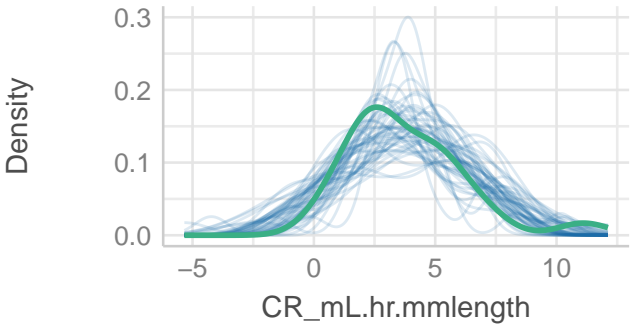


### Posterior Predictive Check

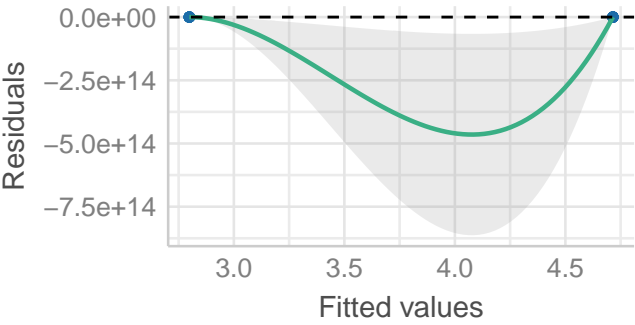
Model-predicted lines should resemble observed data



Model-predicted data    Observed data

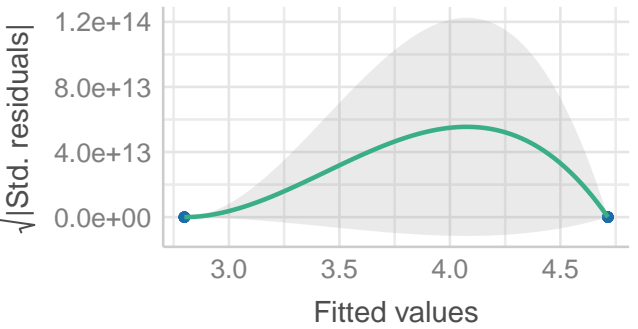
### Linearity

Reference line should be flat and horizontal



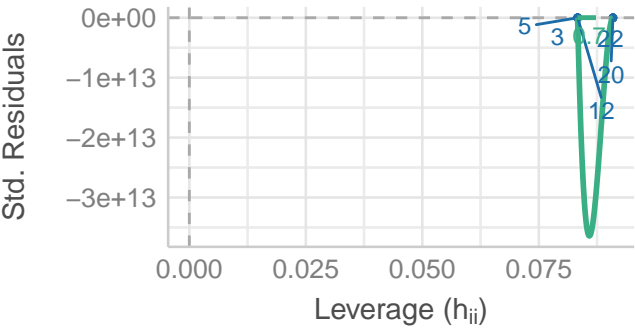
### Homogeneity of Variance

Reference line should be flat and horizontal



### Influential Observations

Points should be inside the contour lines



### Normality of Residuals

Dots should fall along the line

