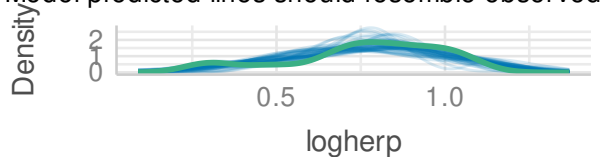


## Posterior Predictive Check

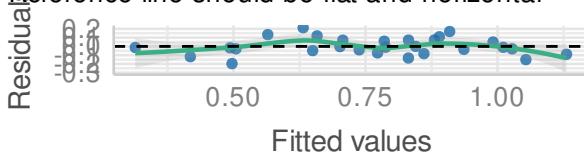
Model-predicted lines should resemble observed



— Model-predicted data — Observed data

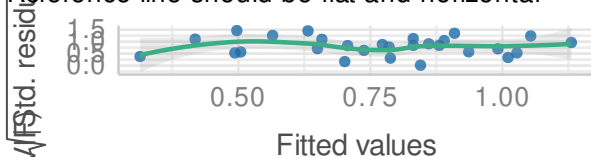
## Linearity

Reference line should be flat and horizontal



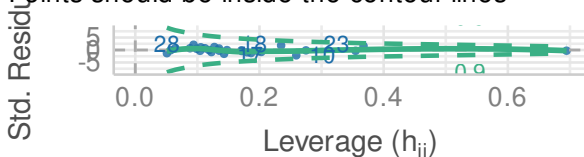
## Homogeneity of Variance

Reference line should be flat and horizontal



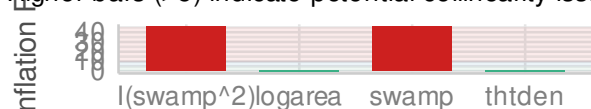
## Influential Observations

Points should be inside the contour lines



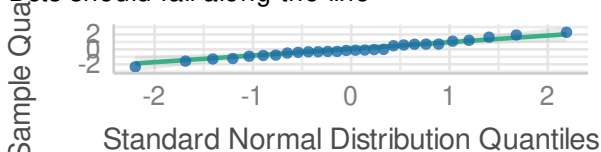
## Collinearity

Higher bars (>5) indicate potential collinearity issue



## Normality of Residuals

Dots should fall along the line



low (< 5) moderate (< 10) high (> 10)