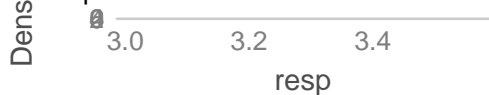


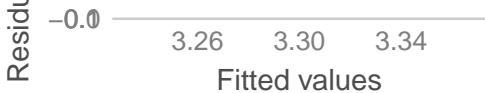
## Posterior Predictive Check

Model-predicted lines should resemble observed



## Linearity

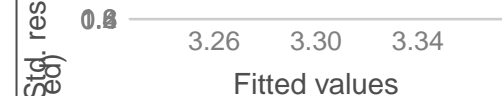
Reference line should be flat and horizontal



— Observed data — Model-predicted

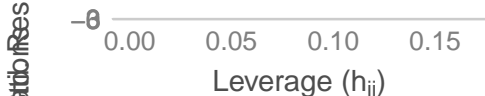
## Homogeneity of Variance

Reference line should be flat and horizontal



## Influential Observations

Points should be inside the contour lines



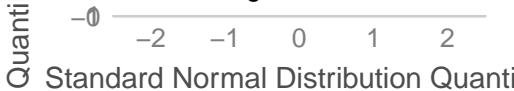
## Nonlinearity

High collinearity (VIF) may inflate parameter



## Normality of Residuals

Points should fall along the line



● Low (< 5) ● Moderate (< 10)