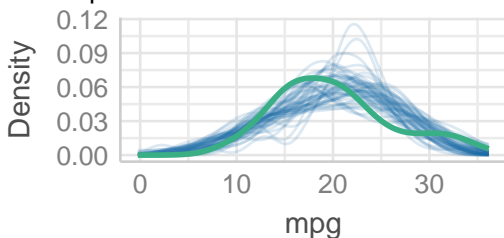


## Posterior Predictive Check

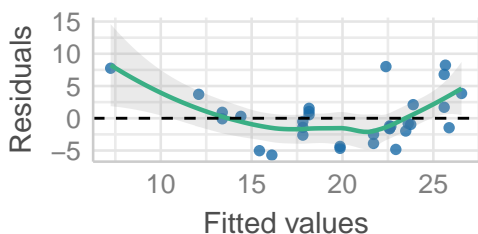
Model-predicted lines should resemble observed



— Observed data — Model-predicted

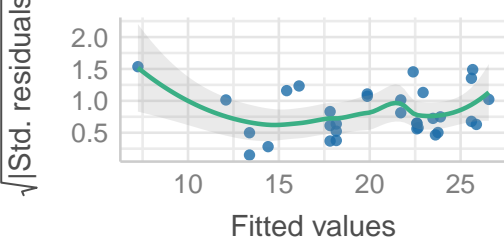
## Linearity

Reference line should be flat and horizontal



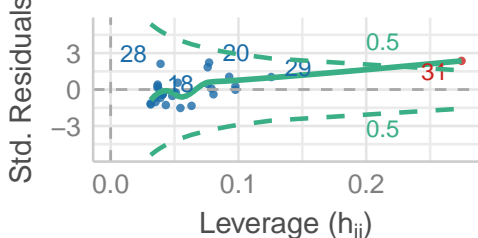
## Homogeneity of Variance

Reference line should be flat and horizontal



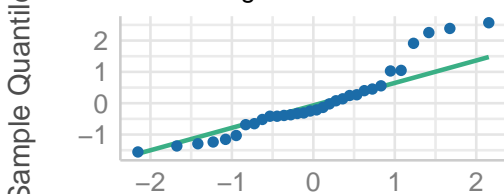
## Influential Observations

Points should be inside the contour lines



## Normality of Residuals

Dots should fall along the line



Standard Normal Distribution Quantiles