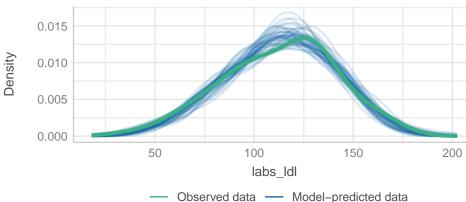
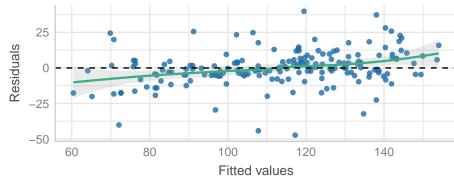
# Posterior Predictive Check Model-predicted lines should resemble observed data line

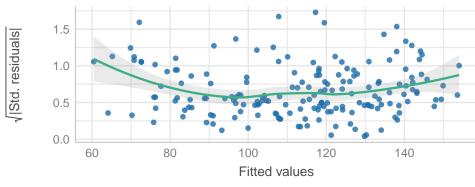


## Linearity Reference line should be flat and horizontal



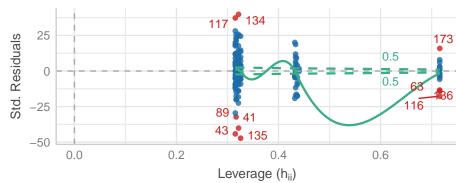
# Homogeneity of Variance

Reference line should be flat and horizontal



#### Influential Observations

Points should be inside the contour lines

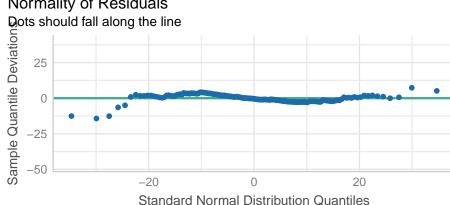


#### Collinearity

High collinearity (VIF) may inflate parameter uncertainty



#### Normality of Residuals



#### Low (< 5)

### Normality of Random Effects (record\_id)

Dots should be plotted along the line

