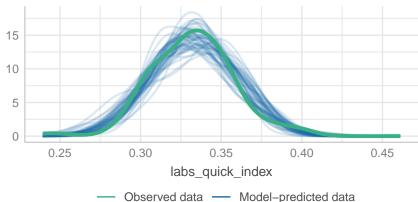
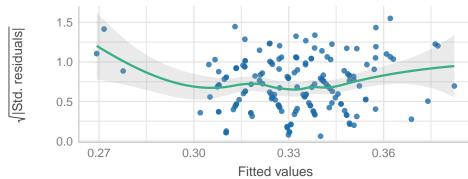
# Posterior Predictive Check Model-predicted lines should resemble observed data line



### Homogeneity of Variance

Reference line should be flat and horizontal



### Collinearity

Density

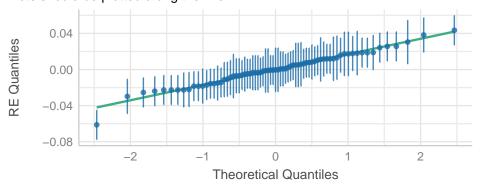
High collinearity (VIF) may inflate parameter uncertainty



Low (< 5)

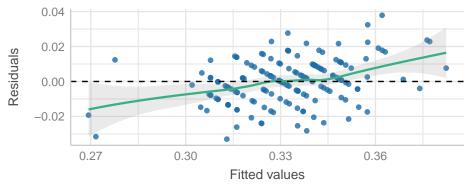
## Normality of Random Effects (record\_id)

Dots should be plotted along the line



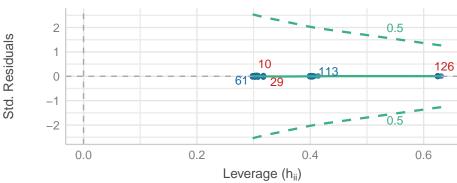
#### Linearity

Reference line should be flat and horizontal

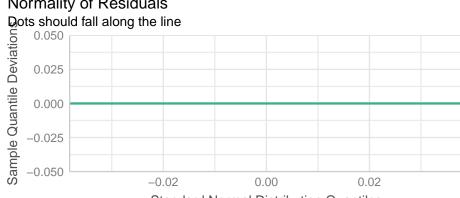


#### Influential Observations

Points should be inside the contour lines



#### Normality of Residuals



Standard Normal Distribution Quantiles