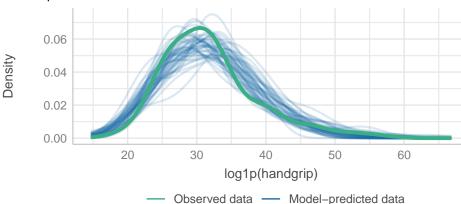
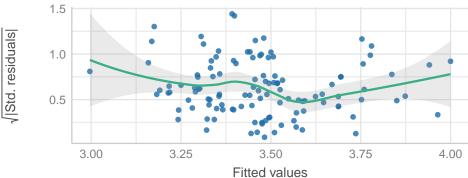
# Posterior Predictive Check Model–predicted lines should resemble observed data line



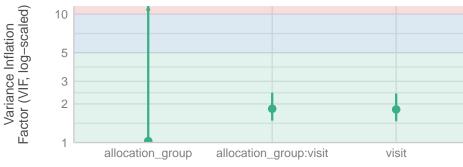
## Homogeneity of Variance

Reference line should be flat and horizontal



### Collinearity

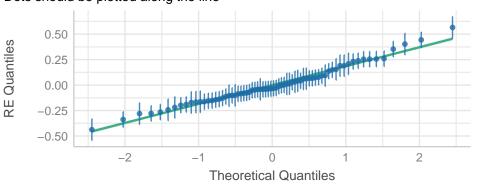
High collinearity (VIF) may inflate parameter uncertainty





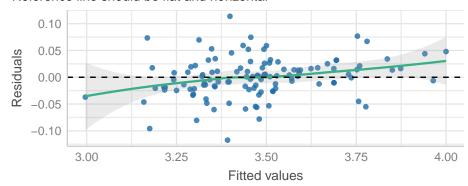
# Normality of Random Effects (record\_id)

Dots should be plotted along the line



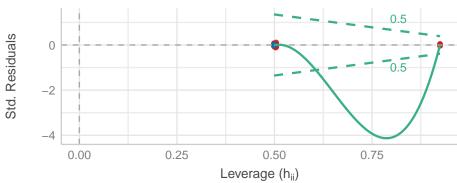
#### Linearity

Reference line should be flat and horizontal



#### Influential Observations

Points should be inside the contour lines



#### Normality of Residuals

Dots should fall along the line

