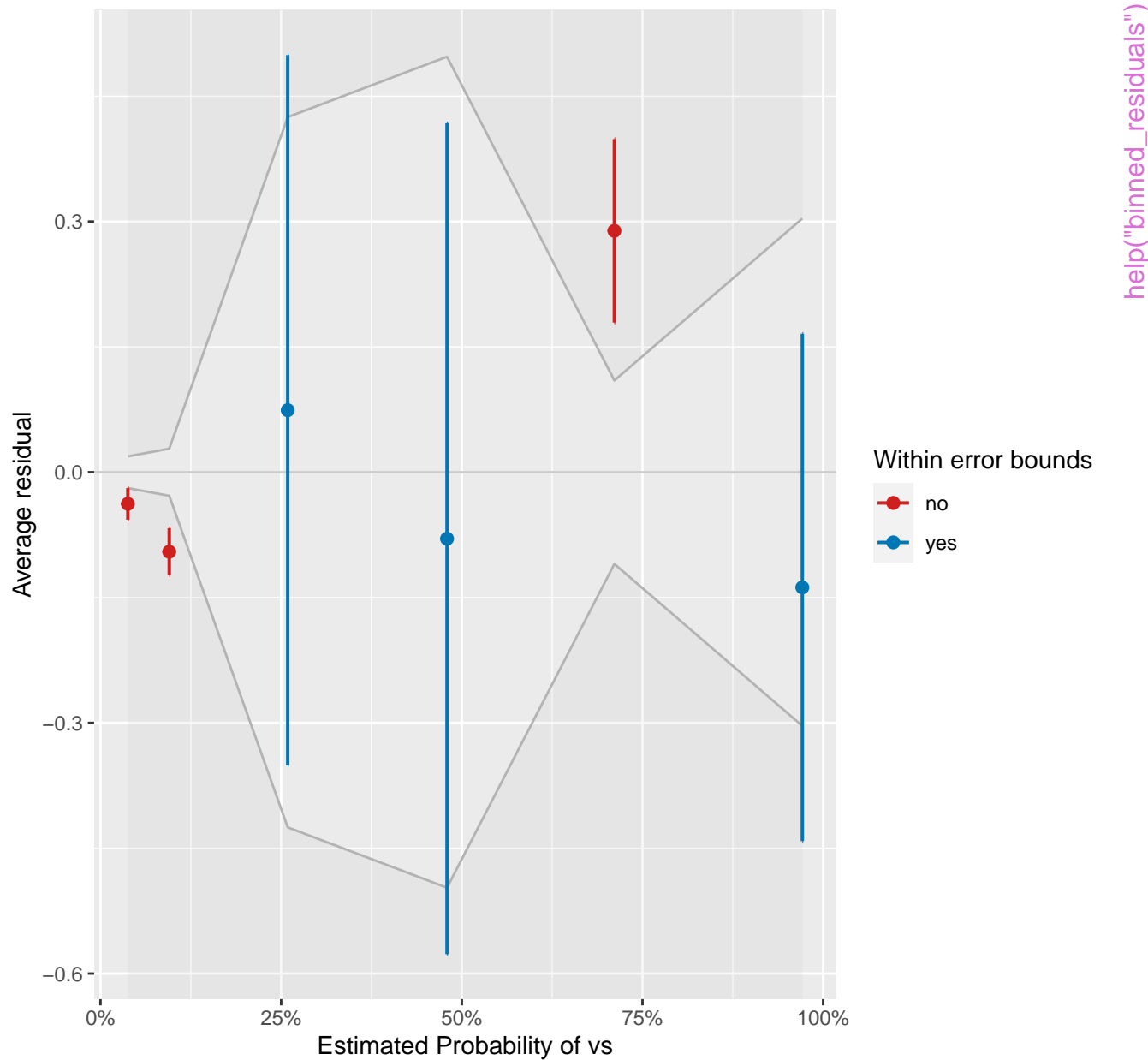
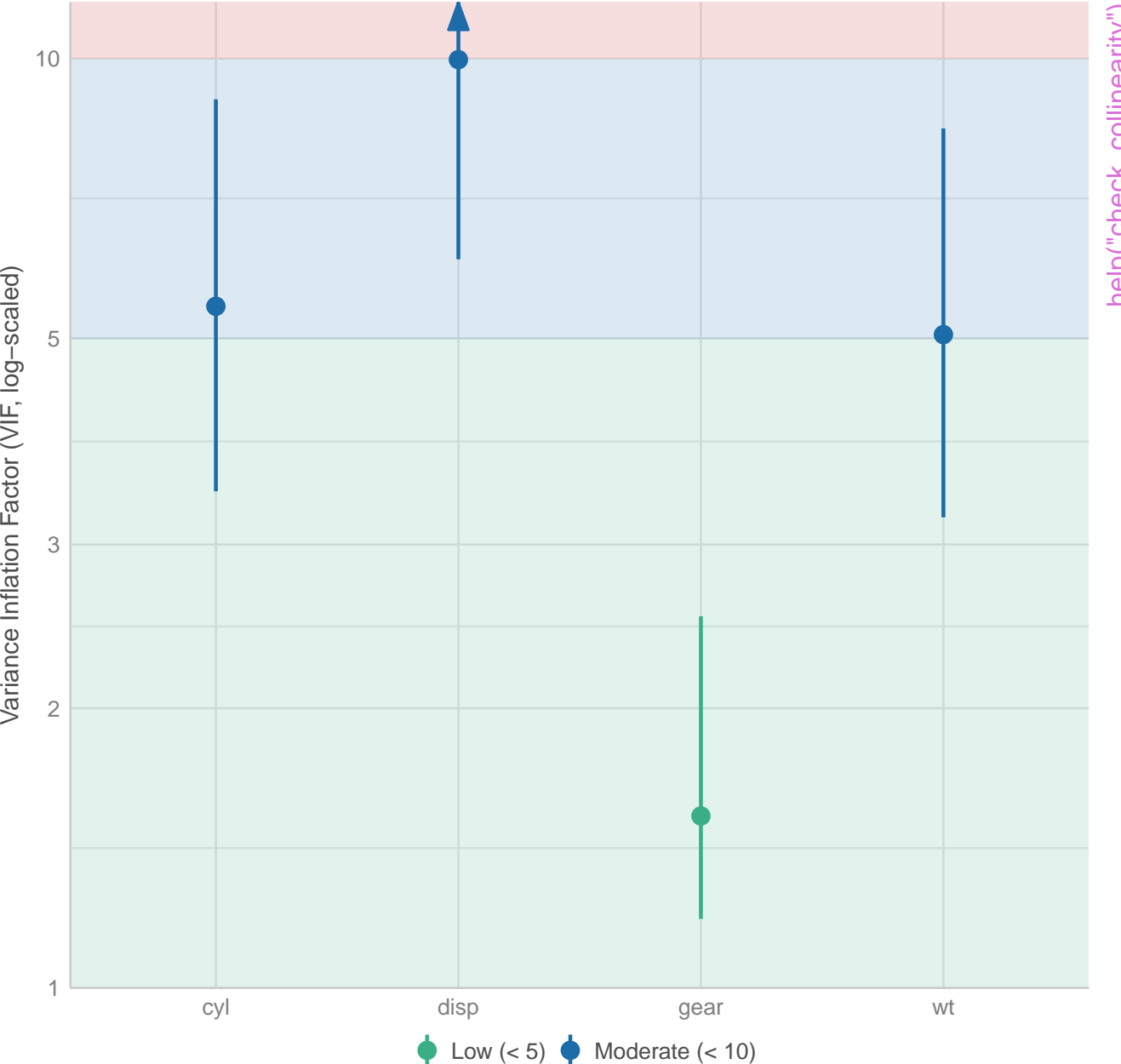


# Binned Residuals

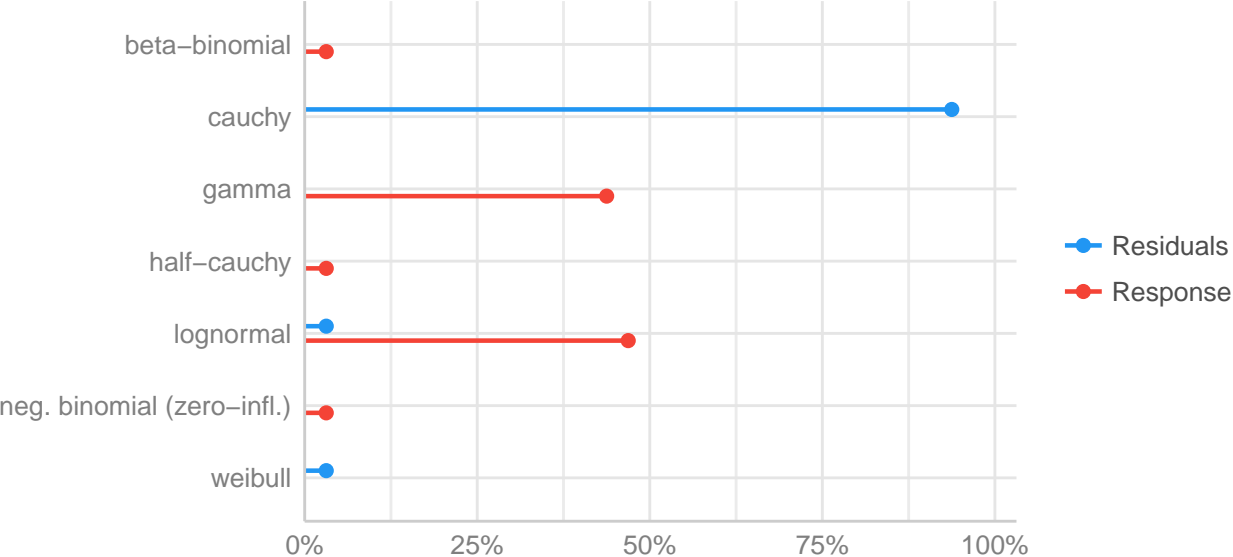
Points should be within error bounds



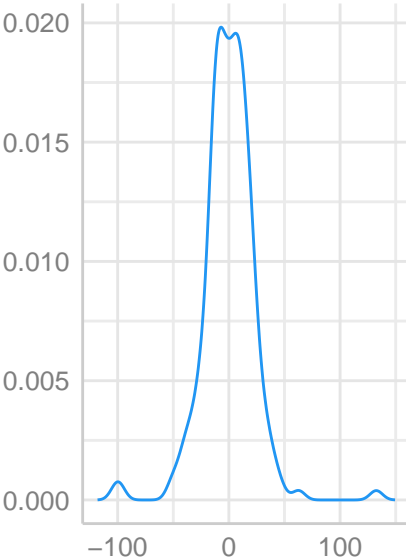
Collinearity  
High collinearity (VIF) may inflate parameter uncertainty



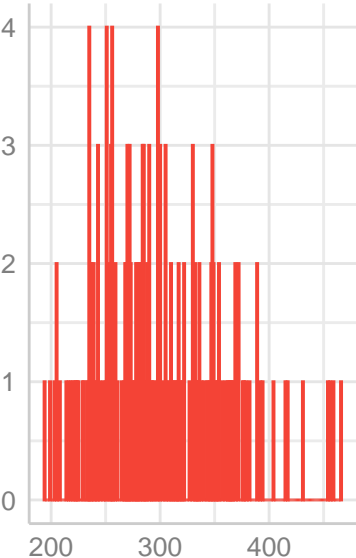
# Predicted Distribution of Residuals and Response



Density of Residuals

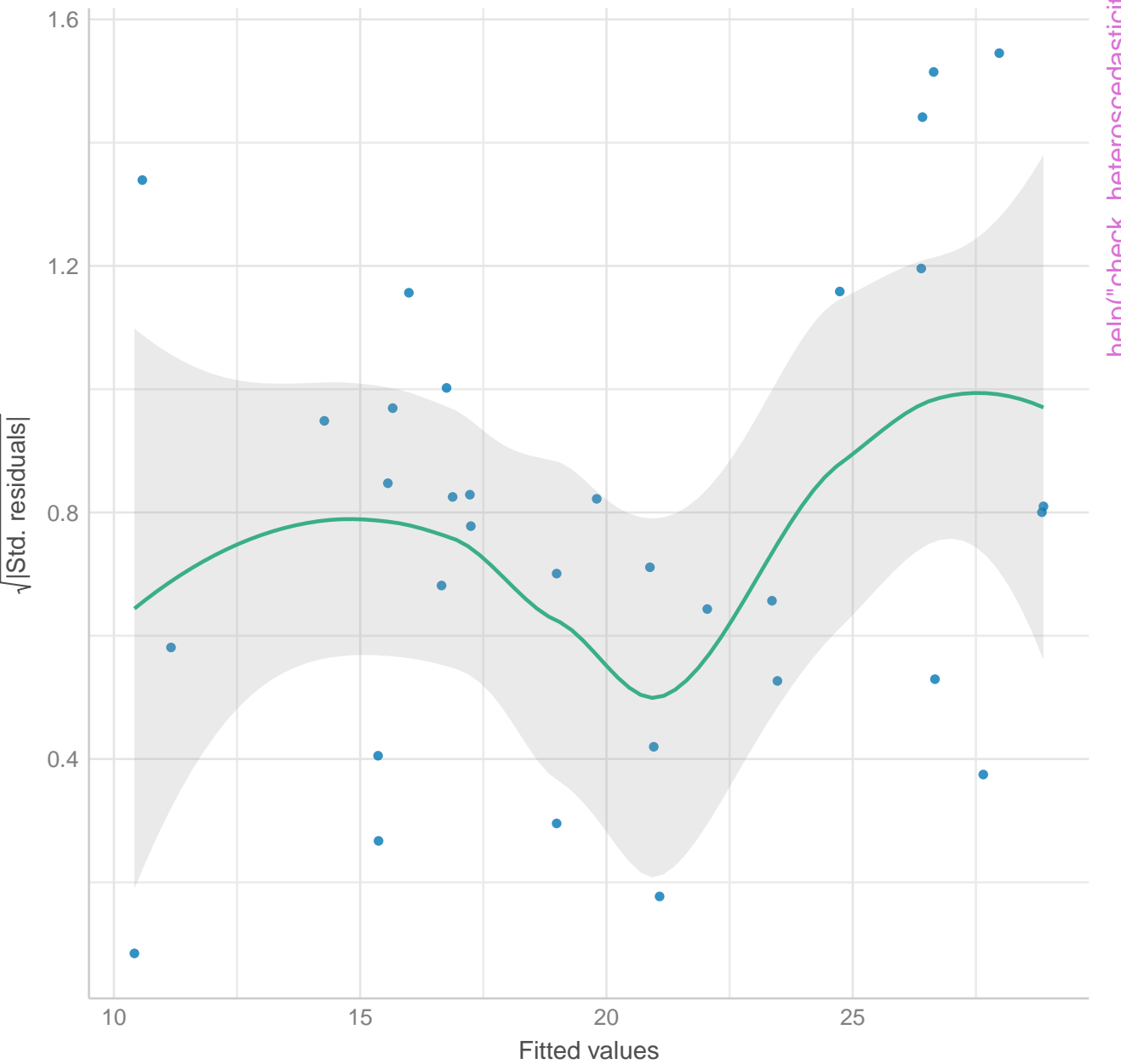


Distribution of Response



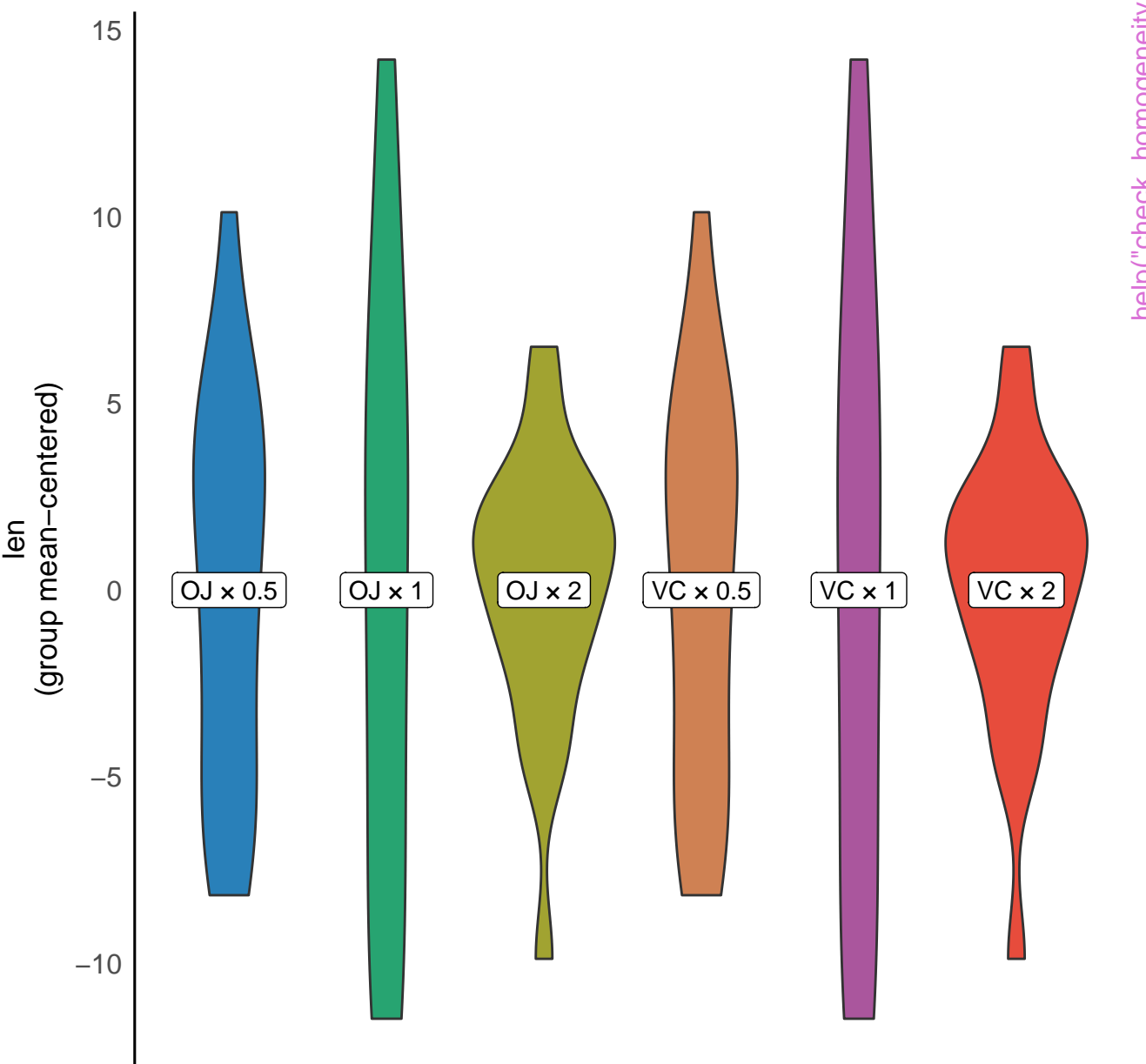
help("check\_distribution")

Homogeneity of Variance  
Reference line should be flat and horizontal

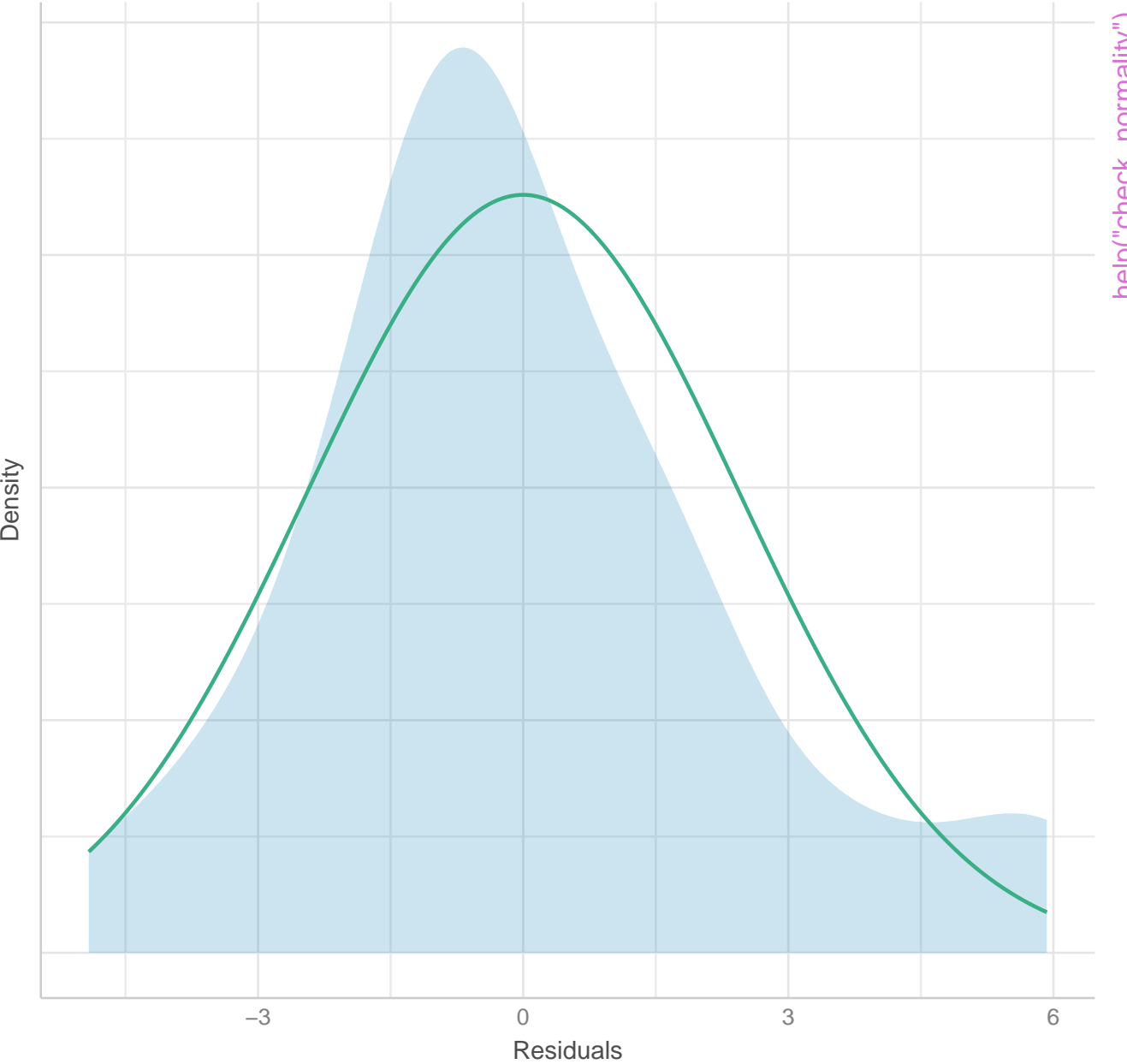


# Homogeneity of Variance (Bartlett Test)

Groups should be evenly spread



Normality of Residuals  
Distribution should be close to the normal curve



# Posterior Predictive Check

Model-predicted lines should resemble observed data line

