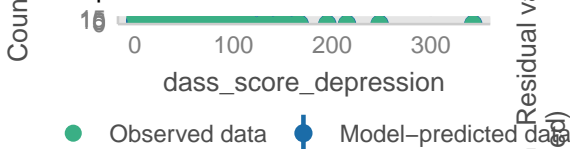


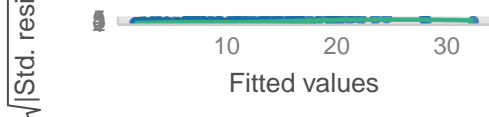
Posterior Predictive Check

Model-predicted intervals should include observed data points



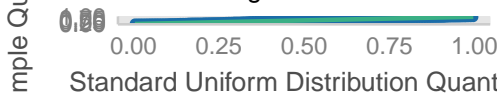
Homogeneity of Variance

Reference line should be flat and horizontal



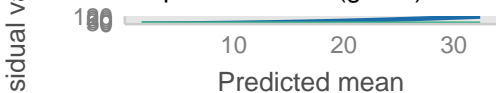
Uniformity of Residuals

Points should fall along the line



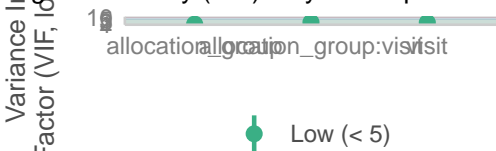
Misspecified dispersion and zero-inflated variance

Observed data points (green) should fall within predicted intervals (blue)



Collinearity

High collinearity (VIF) may inflate parameter estimates



Normality of Random Effects (record)

Points should be plotted along the line

