Posterior Predictive Check
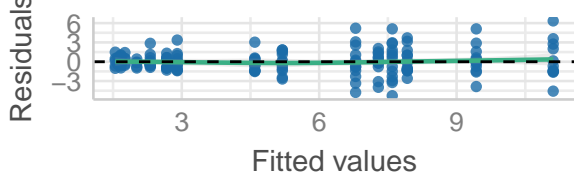Model–predicted lines should resemble observed data

Linearity
Reference line should be flat and horizontal
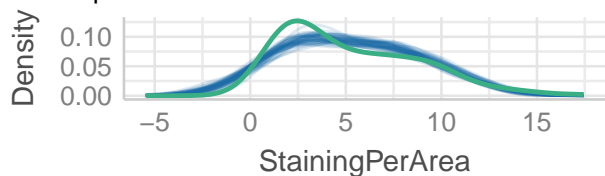
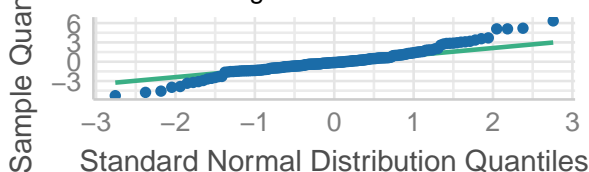— Observed data — Model–predicted data

Homogeneity of Variance
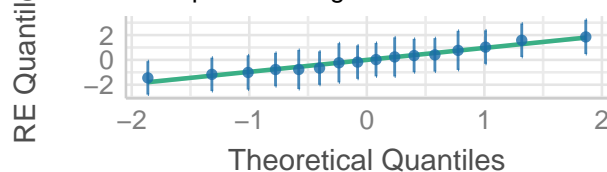Reference line should be flat and horizontal
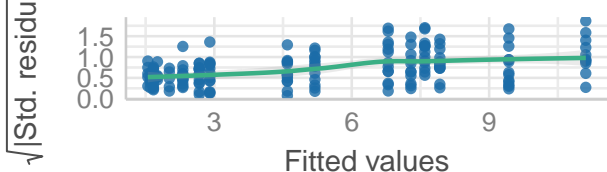
Normality of Residuals
Dots should fall along the line

Normality of Random Effects (Animal:Type)
Dots should be plotted along the line

Normality of Random Effects (Animal)
Dots should be plotted along the line