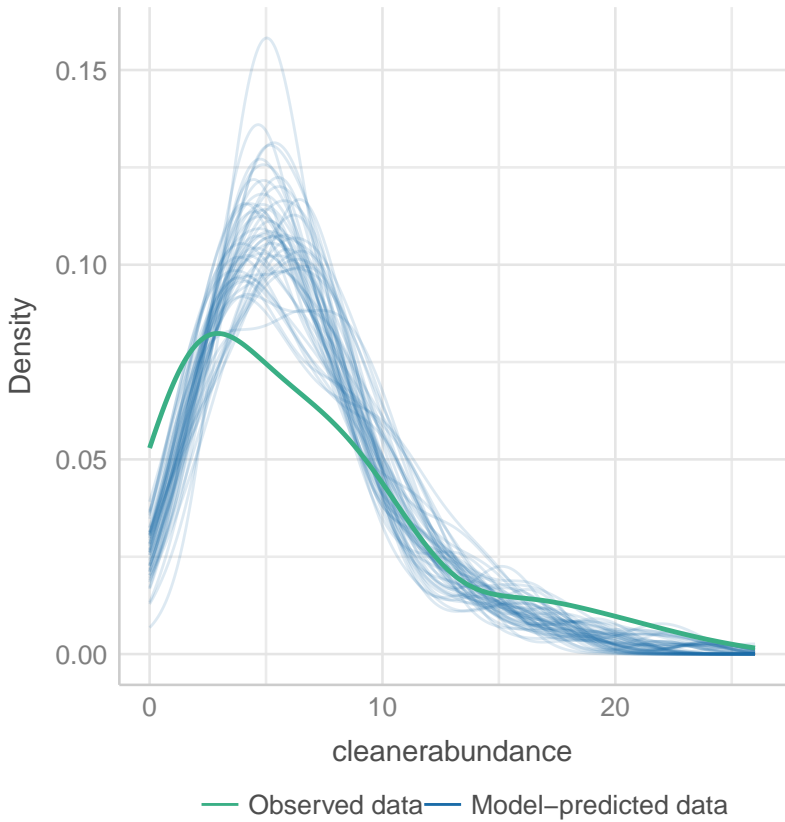


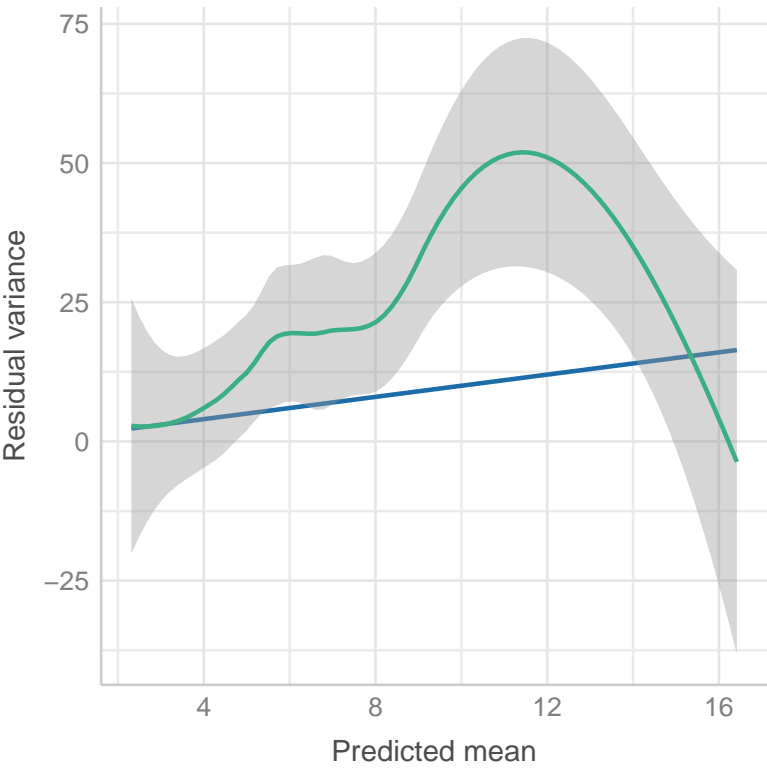
Posterior Predictive Check

Model-predicted lines should resemble observed data line



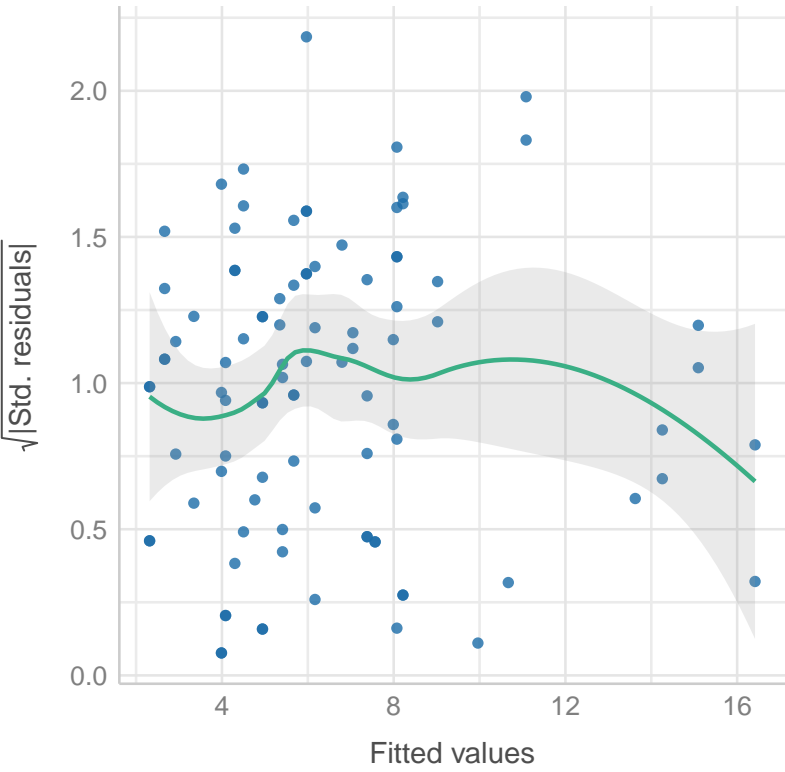
Overdispersion and zero-inflation

Observed residual variance (green) should follow predicted residual



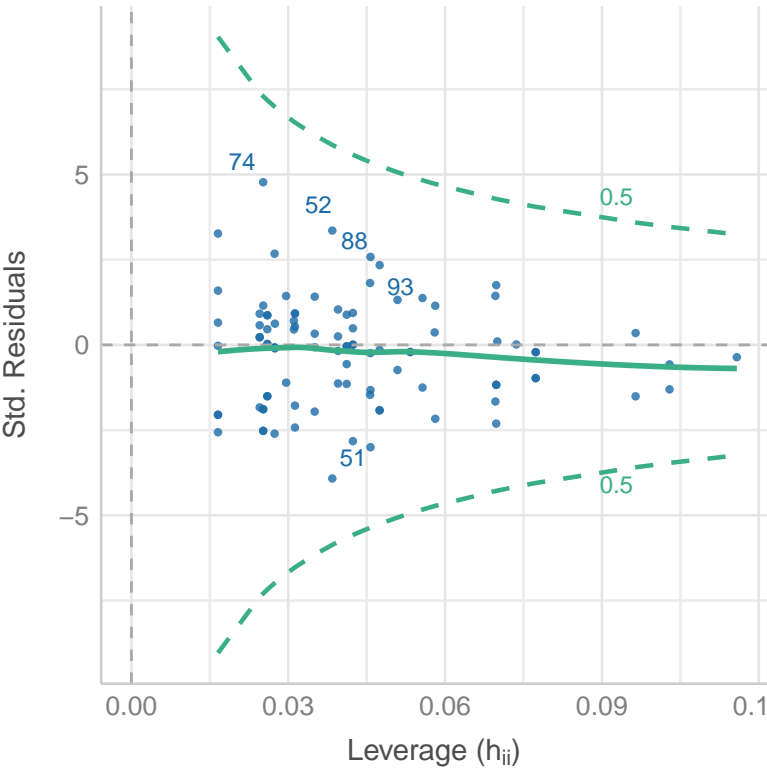
Homogeneity of Variance

Reference line should be flat and horizontal



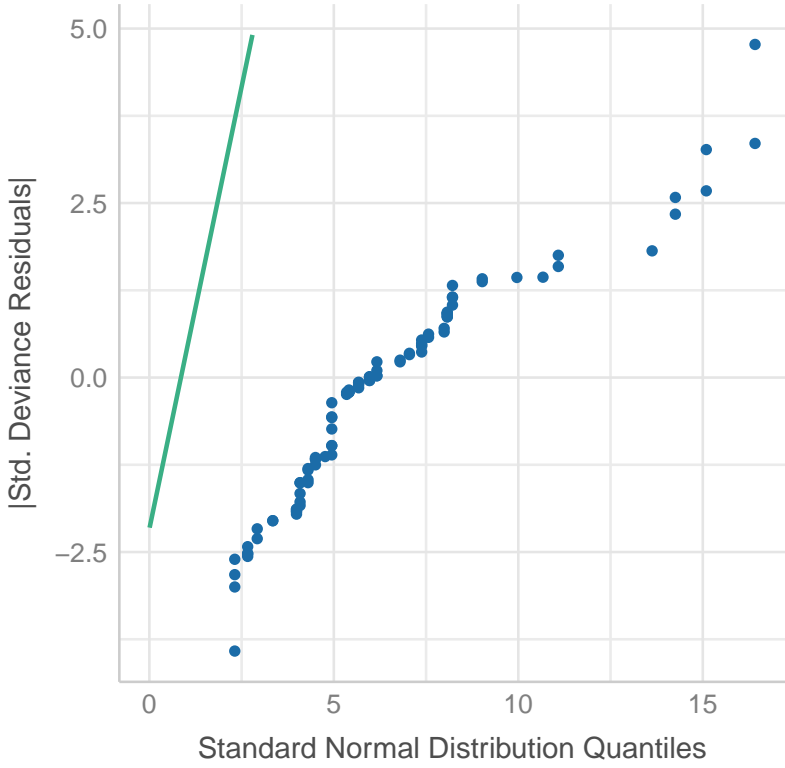
Influential Observations

Points should be inside the contour lines



Normality of Residuals

Dots should fall along the line



Normality of Random Effects (site)

Dots should be plotted along the line

