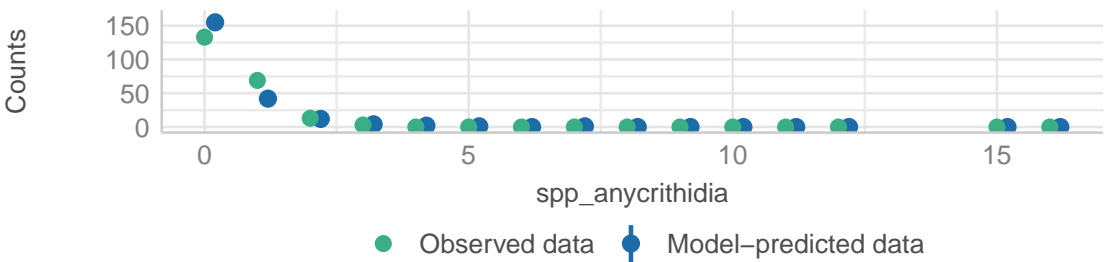


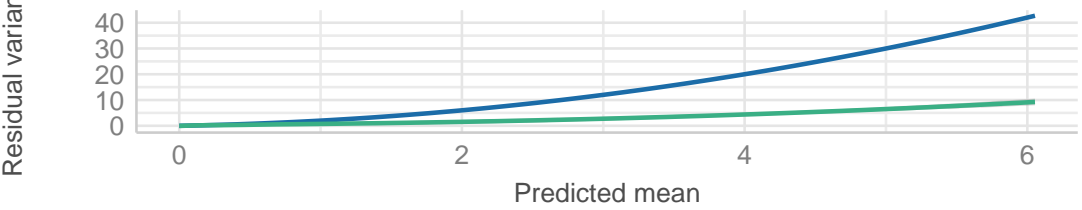
Posterior Predictive Check

Model-predicted intervals should include observed data points



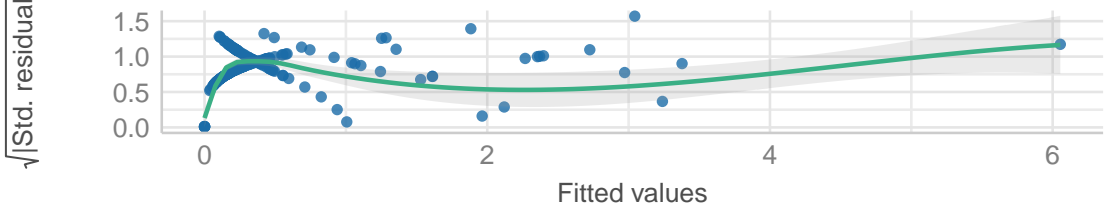
Misspecified dispersion and zero-inflation

Observed residual variance (green) should follow predicted residual variance (blue)



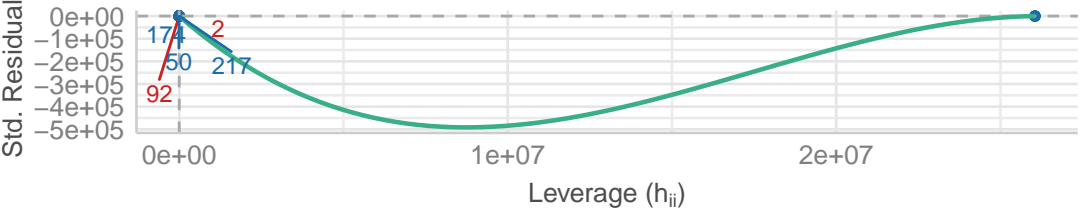
Homogeneity of Variance

Reference line should be flat and horizontal



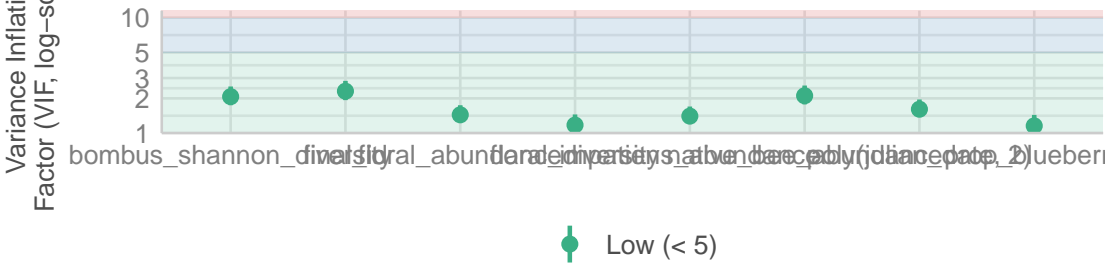
Influential Observations

Points should be inside the contour lines



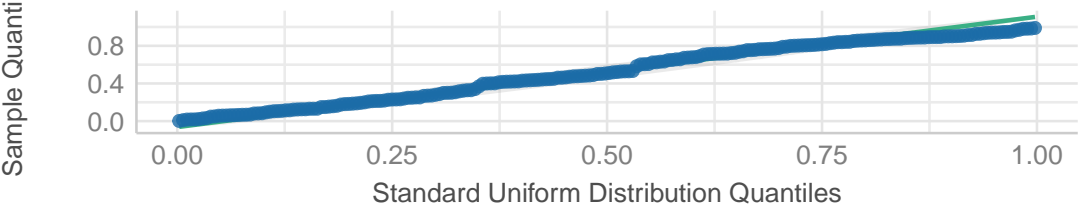
Collinearity

High collinearity (VIF) may inflate parameter uncertainty



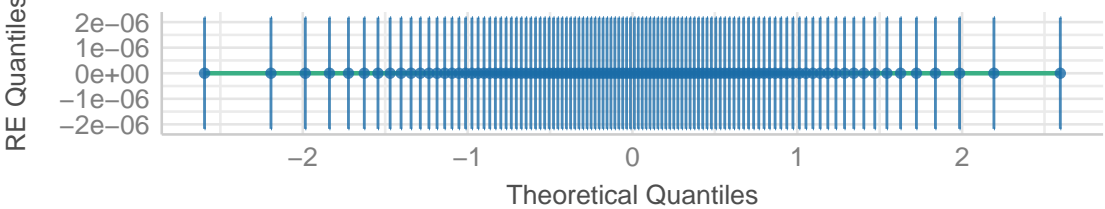
Uniformity of Residuals

Dots should fall along the line



Normality of Random Effects (sample_pt)

Dots should be plotted along the line



Normality of Random Effects (subsite)

Dots should be plotted along the line

