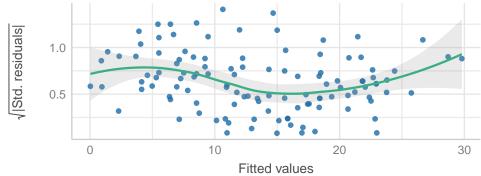
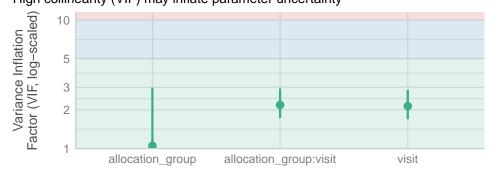
Posterior Predictive Check Model-predicted lines should resemble observed data line 0.08 0.06 Density 0.04 0.02 0.00 20 ecap_score Observed data — Model-predicted data Homogeneity of Variance

Reference line should be flat and horizontal

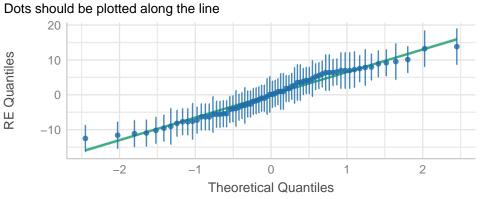


Collinearity High collinearity (VIF) may inflate parameter uncertainty

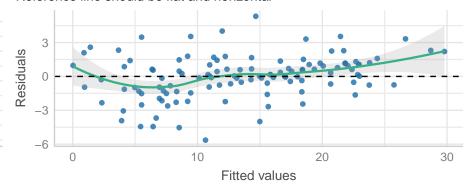


Low (< 5)

Normality of Random Effects (record_id)

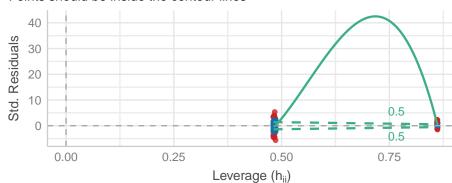


Linearity Reference line should be flat and horizontal

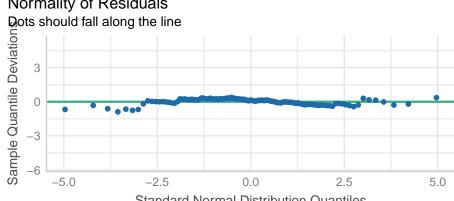


Influential Observations

Points should be inside the contour lines



Normality of Residuals



Standard Normal Distribution Quantiles