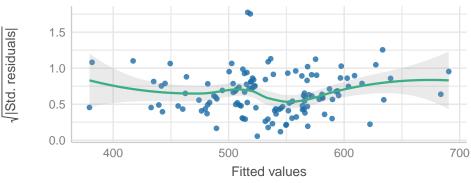
Posterior Predictive Check Model-predicted lines should resemble observed data line 0.006 Density 0.004 0.002 0.000 300 400 500 600 700 800 resistance Observed data — Model-predicted data

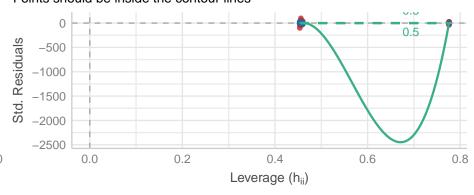
Reference line should be flat and horizontal 100 50 Residuals 0 -50 -100400 500 600 700 Fitted values

Homogeneity of Variance Reference line should be flat and horizontal



Influential Observations Points should be inside the contour lines

Linearity

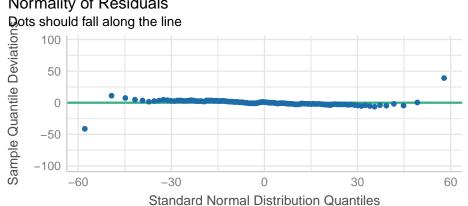


Collinearity





Normality of Residuals



Low (< 5)

Normality of Random Effects (record_id)

