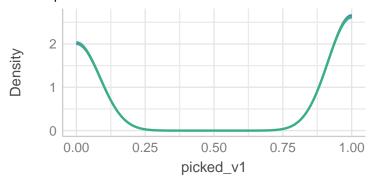
reg_rate * baseline_log_odds_jitter * reg_dist + variation

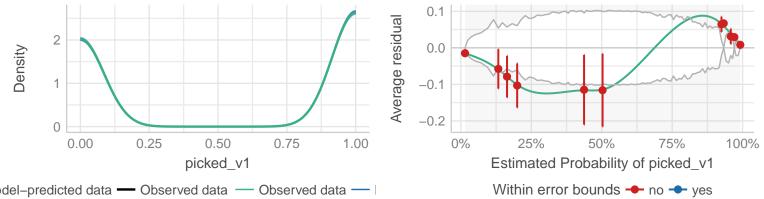
Posterior Predictive Check

Model-predicted lines should resemble observed data line



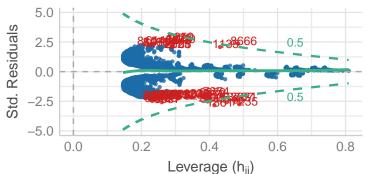
Binned Residuals

Points should be within error bounds



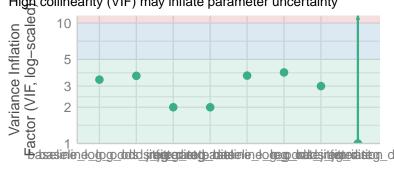
Influential Observations

Points should be inside the contour lines



Collinearity

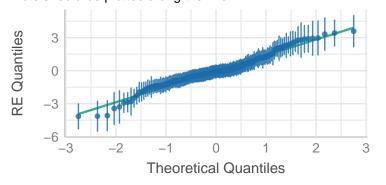
High collinearity (VIF) may inflate parameter uncertainty



Normality of Residuals Dots should fall along the line

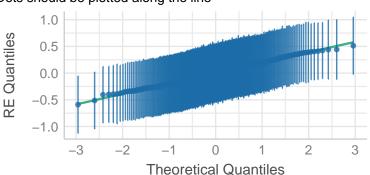
6 Sample Quantiles 3 0 -6 -2 0 Standard Normal Distribution Quantiles

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



Normality of Random Effects (base)

Dots should be plotted along the line



Low (< 5)