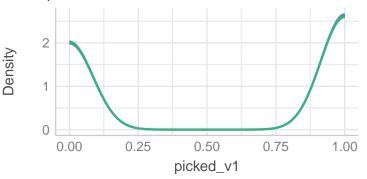
reg_rate + baseline_log_odds_jitter * reg_dist * variation

Posterior Predictive Check

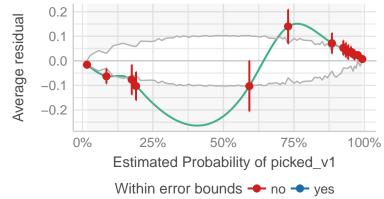
Model-predicted lines should resemble observed data line



del-predicted data — Observed data — Observed data —

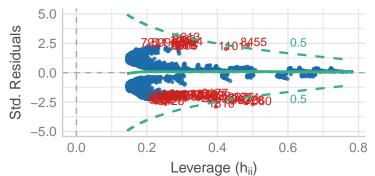
Binned Residuals

Points should be within error bounds



Influential Observations

Points should be inside the contour lines



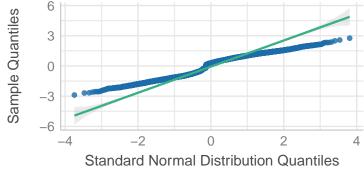
Collinearity

High collinearity (VIF) may inflate parameter uncertainty



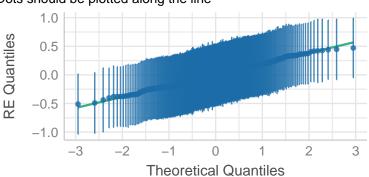
Normality of Residuals

Dots should fall along the line 6



Normality of Random Effects (base)

Dots should be plotted along the line



Low (< 5)

Normality of Random Effects (part_id)

Dots should be plotted along the line

