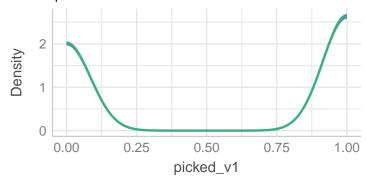
reg_rate + reg_dist * baseline_log_odds_jitter + variation

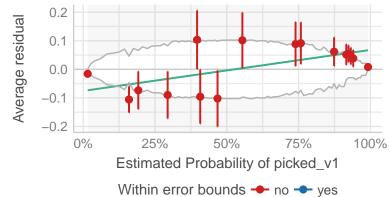
Posterior Predictive Check

Model-predicted lines should resemble observed data line



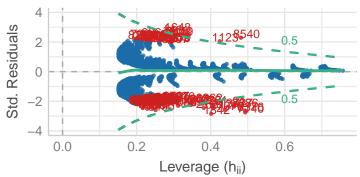
Binned Residuals

Points should be within error bounds



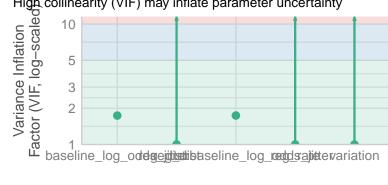
el-predicted data — Observed data — Observed data — N

Influential Observations Points should be inside the contour lines

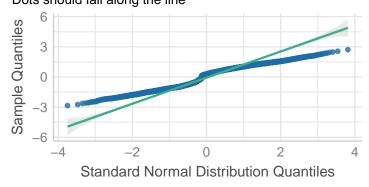


Collinearity

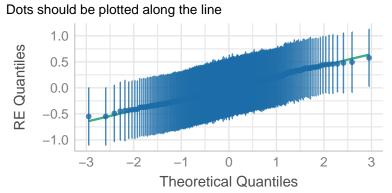
High collinearity (VIF) may inflate parameter uncertainty



Normality of Residuals Dots should fall along the line



Normality of Random Effects (base)



Low (< 5)

Normality of Random Effects (part_id)

Dots should be plotted along the line

