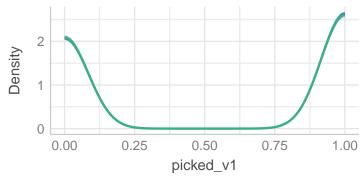
reg_rate + reg_dist + baseline_p + variation

Posterior Predictive Check

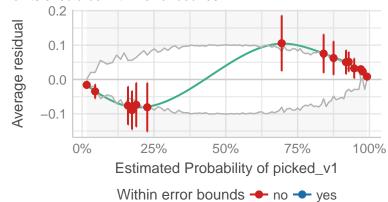
Model-predicted lines should resemble observed data line



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

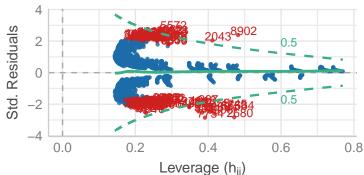
Binned Residuals

Points should be within error bounds



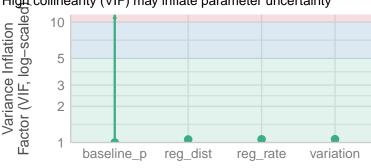
Influential Observations

Points should be inside the contour lines

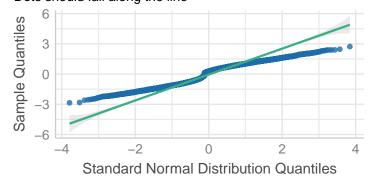


Collinearity

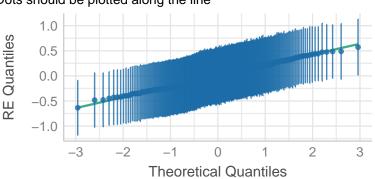
High collinearity (VIF) may inflate parameter uncertainty



Normality of Residuals Dots should fall along the line



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

