reg_rate + reg_dist * baseline_p + variation

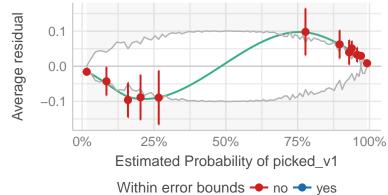
Posterior Predictive Check

Model-predicted lines should resemble observed data line



Binned Residuals

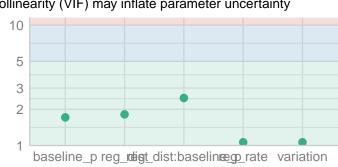
Points should be within error bounds



Collinearity

High collinearity (VIF) may inflate parameter uncertainty





Low (< 5)

Normality of Residuals Dots should fall along the line

Influential Observations

Std. Residuals

2

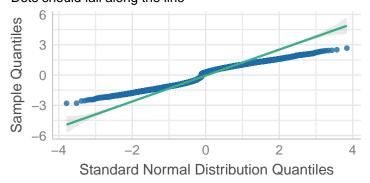
-2

-4

0.0

Points should be inside the contour lines

0.2

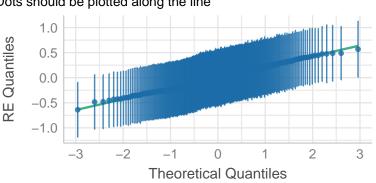


0.4

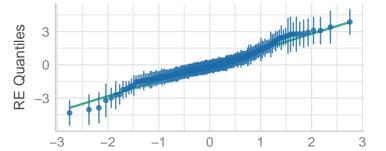
Leverage (hii)

0.6

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



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



Theoretical Quantiles