reg_rate + baseline_log_odds_jitter * reg_dist * variation
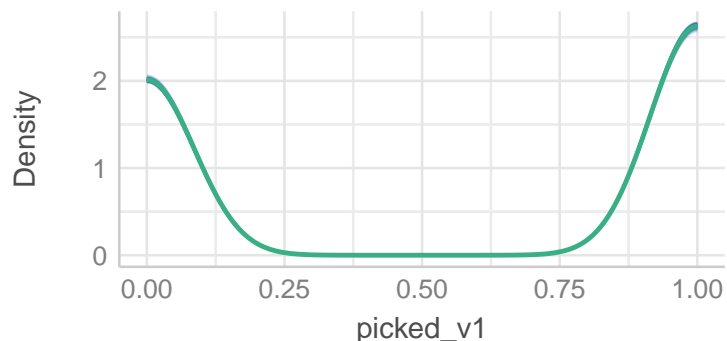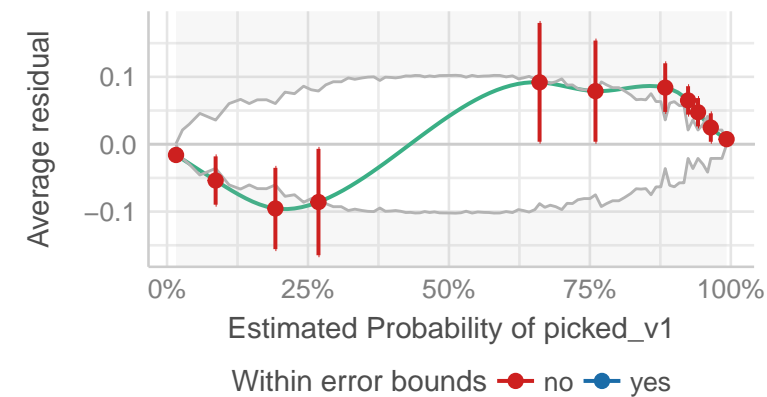
Posterior Predictive Check
Model−predicted lines should resemble observed data line

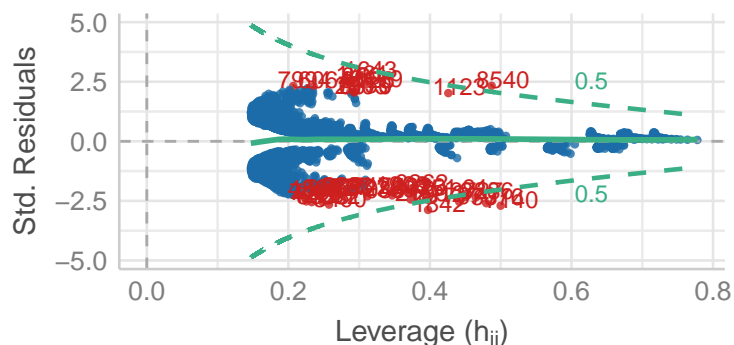
Binned Residuals
Points should be within error bounds

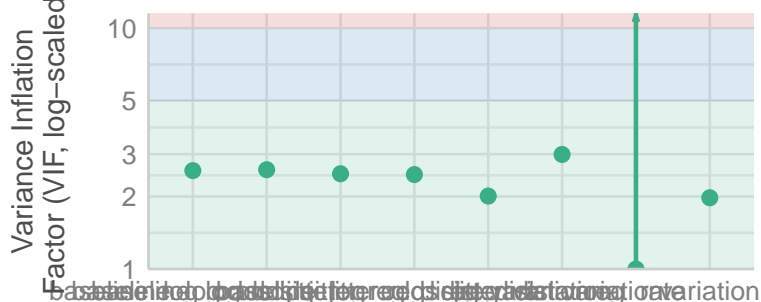
odel−predicted data ▬ Observed data ▬ Observed data ▬ I

Within error bounds ● no ● yes

Influential Observations
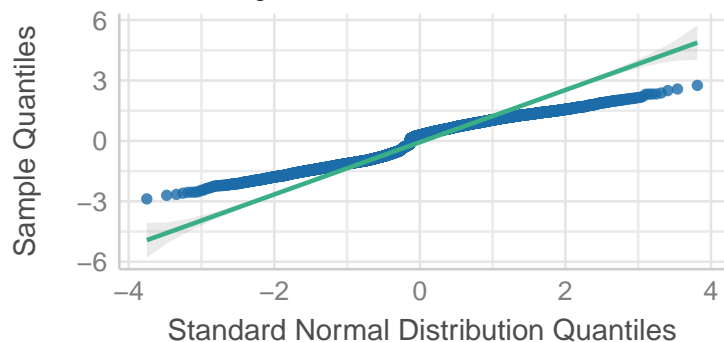Points should be inside the contour lines

Collinearity
High collinearity (VIF) may inflate parameter uncertainty
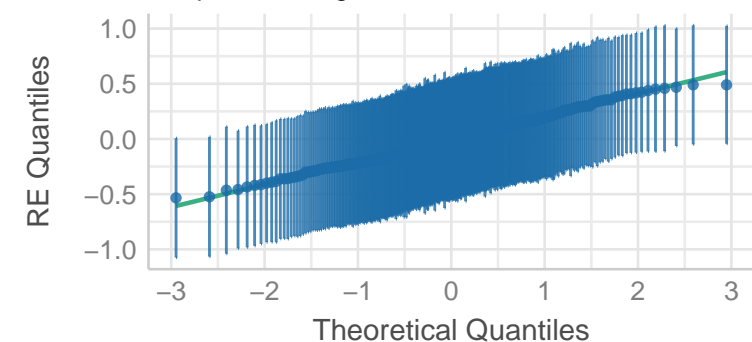

● Low (< 5)

Normality of Residuals
Dots should fall along the line

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