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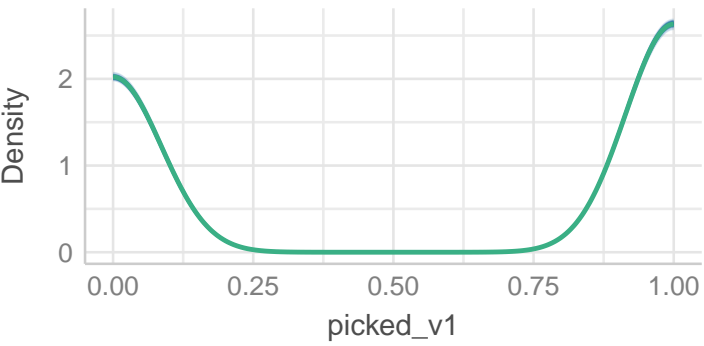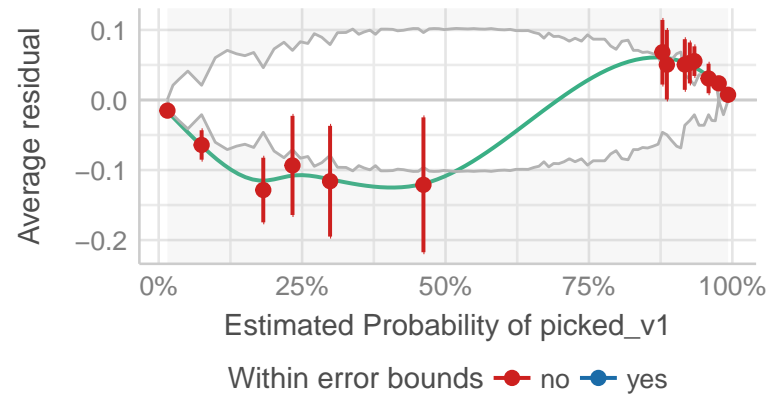
Posterior Predictive Check
Model−predicted lines should resemble observed data line
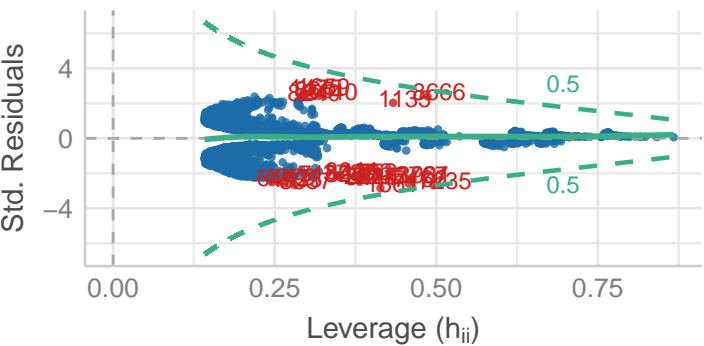

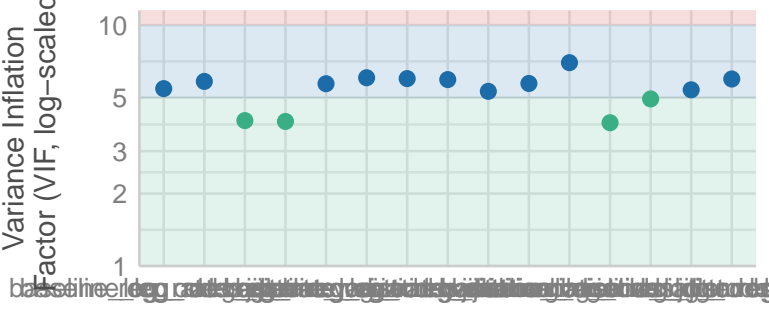
Binned Residuals
Points should be within error bounds

del−predicted data ━ Observed data ━ Observed data ━ N

Within error bounds ● no ● yes

Influential Observations
Points should be inside the contour lines

Collinearity
High collinearity (VIF) may inflate parameter uncertainty

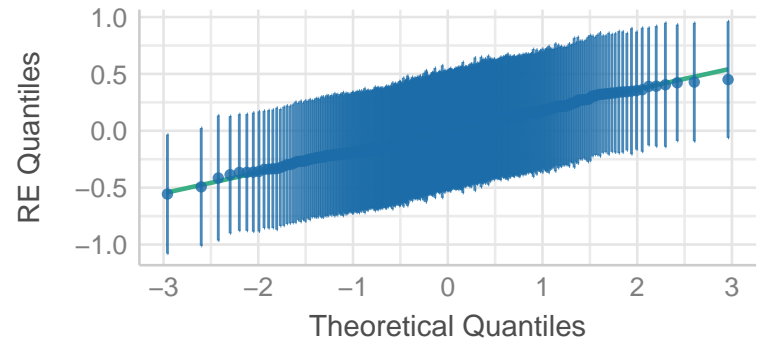● Low (< 5) ● Moderate (< 10)

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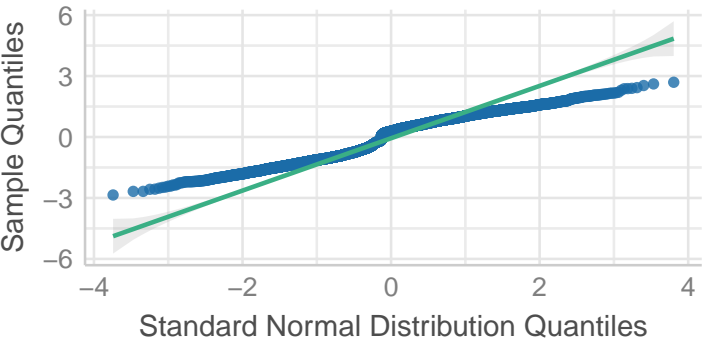
Normality of Random Effects (base)
Dots should be plotted along the line

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