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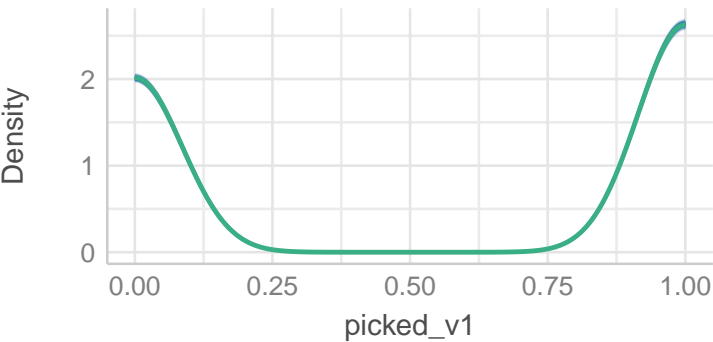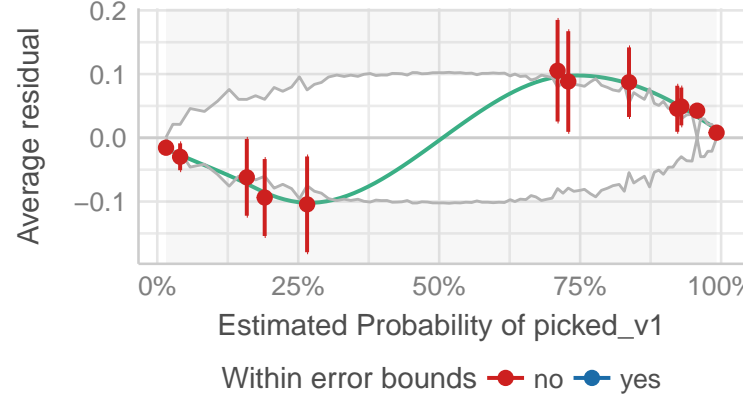
Posterior Predictive Check
Model−predicted lines should resemble observed data line
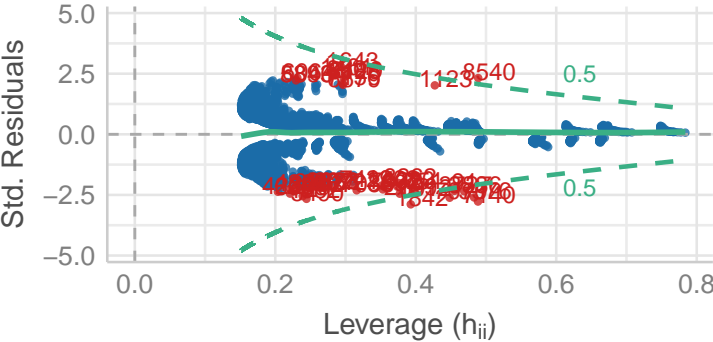

Binned Residuals
Points should be within error bounds

Within error bounds: no, yes

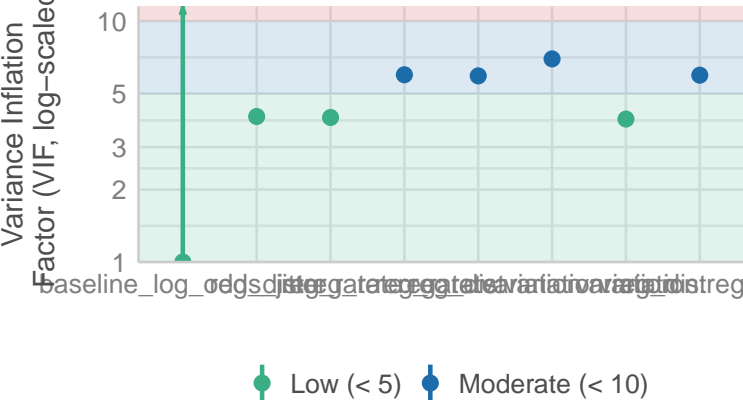## Influential Observations
Points should be inside the contour lines

Collinearity
High collinearity (VIF) may inflate parameter uncertainty

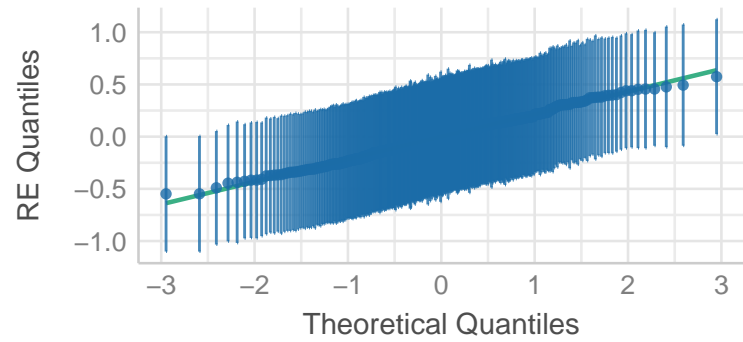
Low (< 5), Moderate (< 10)

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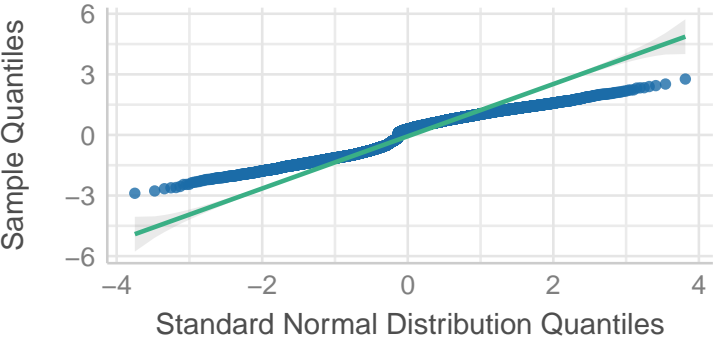
Normality of Random Effects (base)
Dots should be plotted along the line

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