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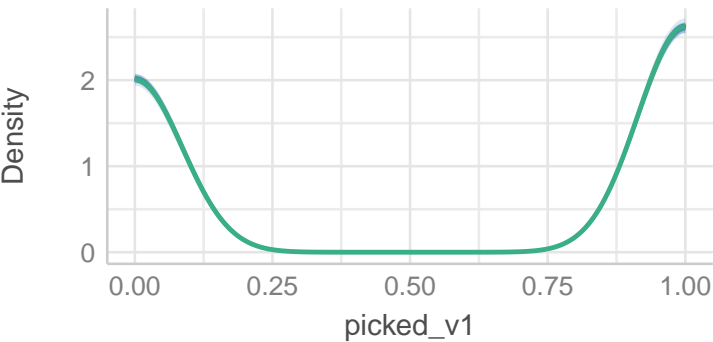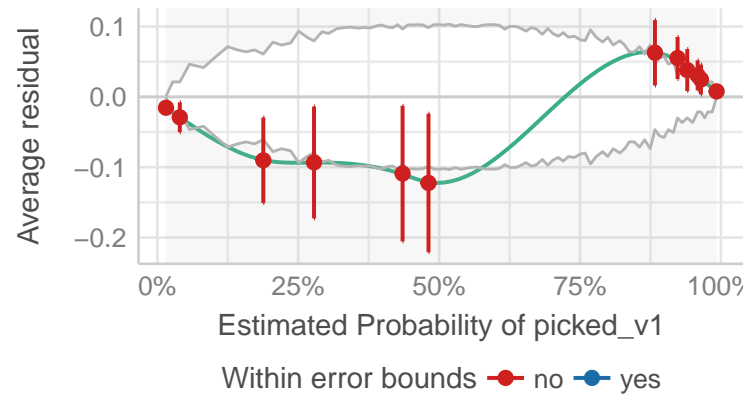
## Posterior Predictive Check
Model−predicted lines should resemble observed data line
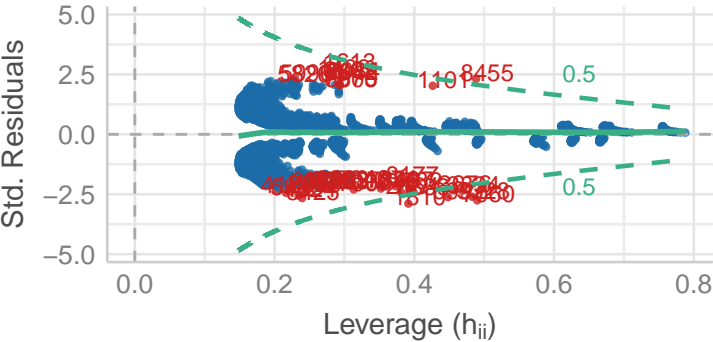


## Binned Residuals
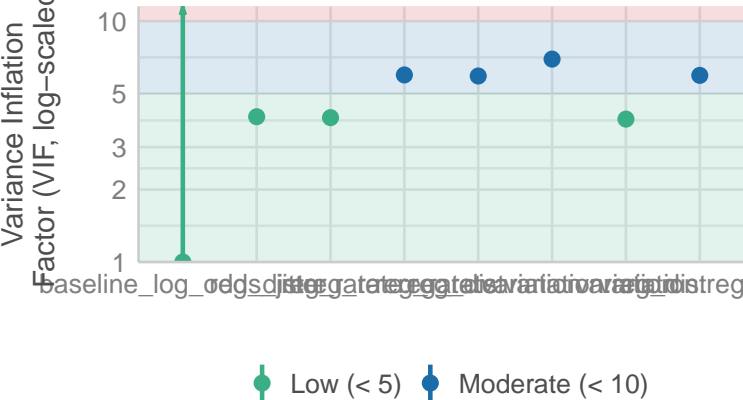Points should be within error bounds



Within error bounds ● no ● yes

## Influential Observations
Points should be inside the contour lines



## Collinearity
High collinearity (VIF) may inflate parameter uncertainty
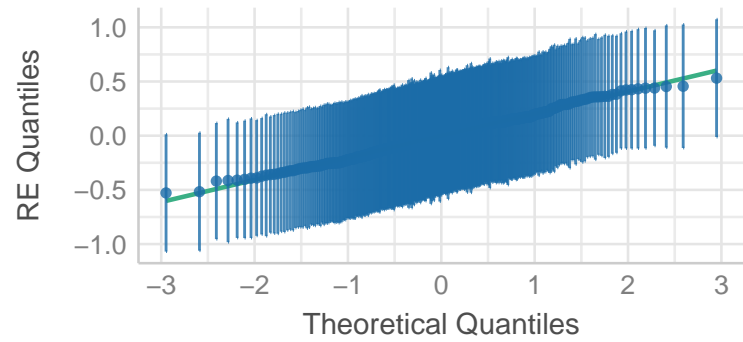


Low (< 5) ● Moderate (< 10)

## Normality of Residuals
Dots should fall along the line
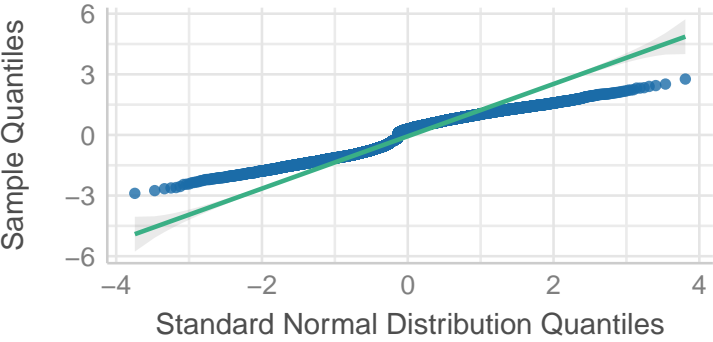


## Normality of Random Effects (base)
Dots should be plotted along the line



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