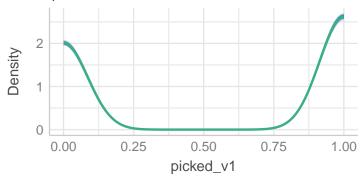
# reg\_rate \* variation \* baseline\_log\_odds\_jitter \* reg\_dist

#### Posterior Predictive Check

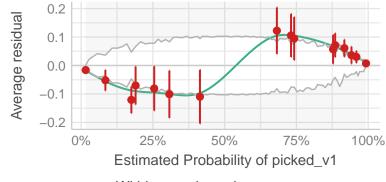
Model-predicted lines should resemble observed data line



el-predicted data — Observed data — Observed data — N

#### Binned Residuals

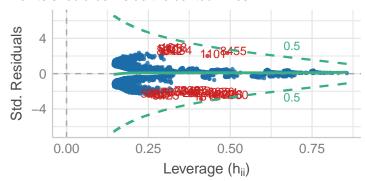
Points should be within error bounds



Within error bounds ← no ← yes

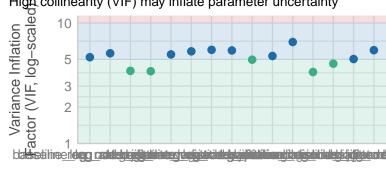
#### Influential Observations

Points should be inside the contour lines



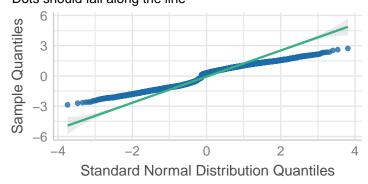
## Collinearity

High collinearity (VIF) may inflate parameter uncertainty



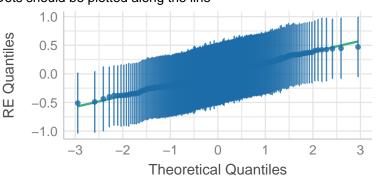
Low (< 5) ♦ Moderate (< 10)

### 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

