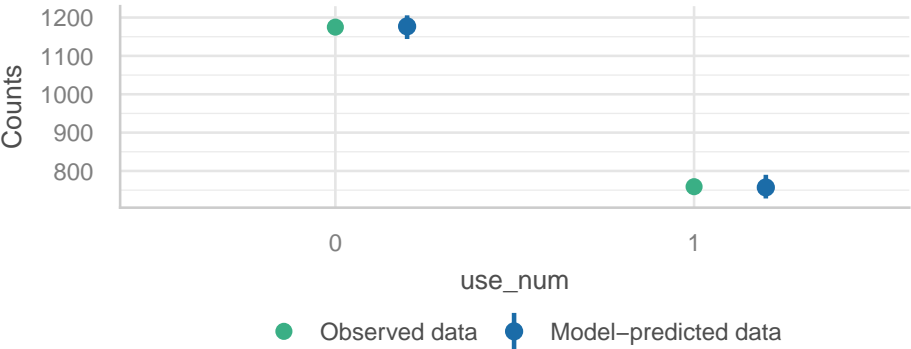


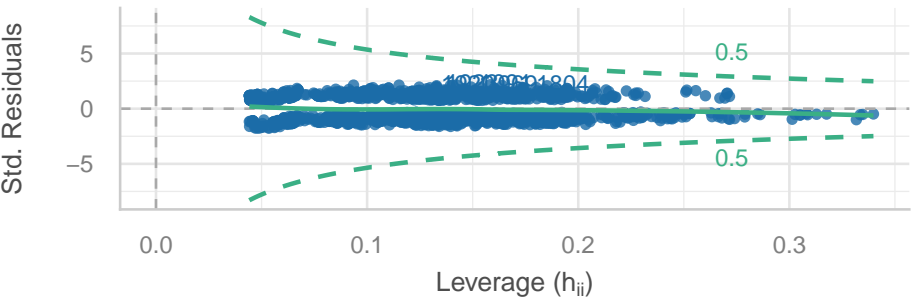
Posterior Predictive Check

Model-predicted intervals should include observed data points



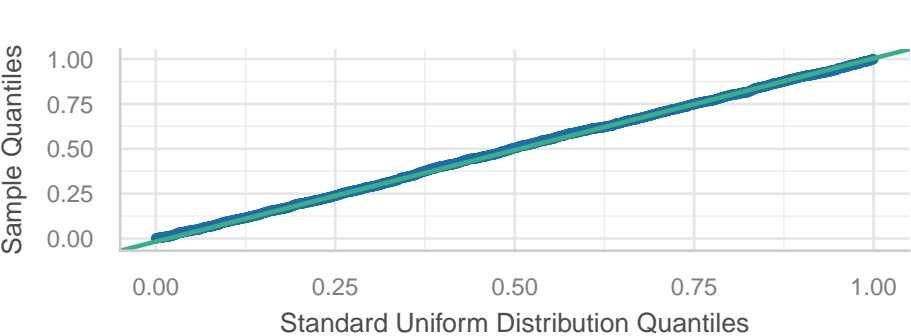
Influential Observations

Points should be inside the contour lines



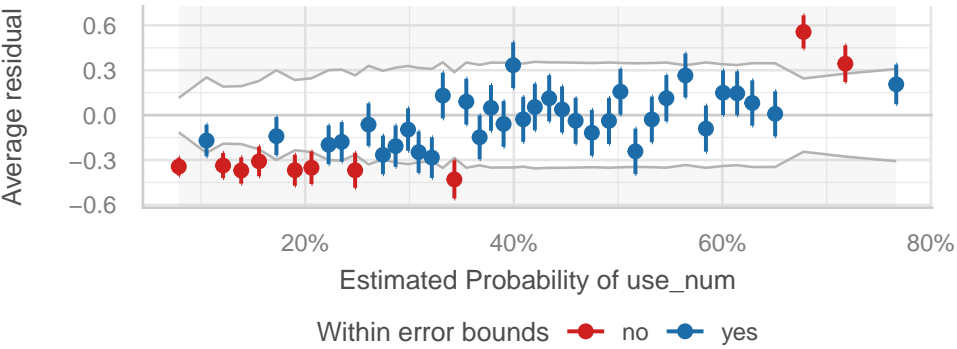
Distribution of Quantile Residuals

Dots should fall along the line



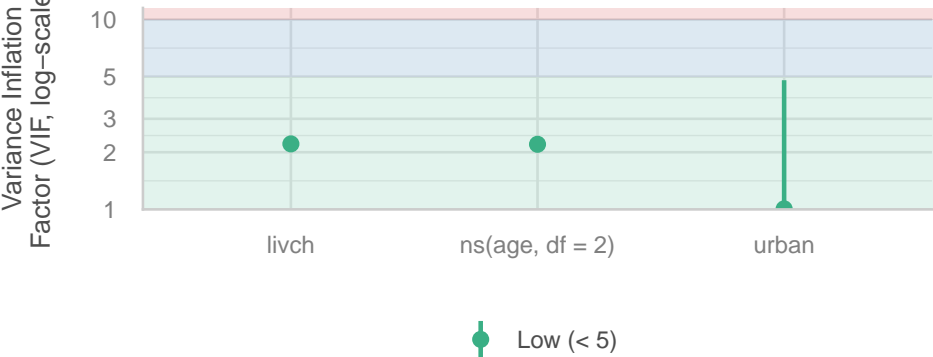
Binned Residuals

Points should be within error bounds



Collinearity

High collinearity (VIF) may inflate parameter uncertainty



Normality of Random Effects (district)

Dots should be plotted along the line

