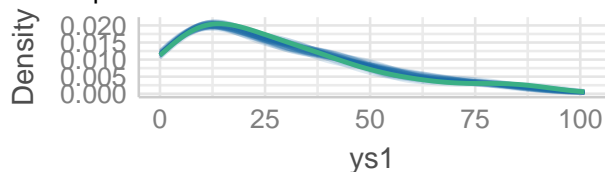


## Posterior Predictive Check

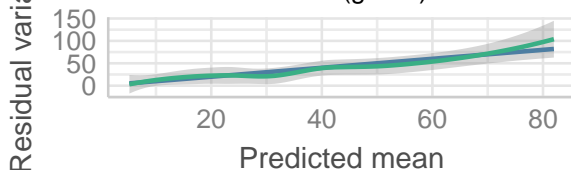
Model-predicted lines should resemble observed data



— Observed data — Model-predicted data

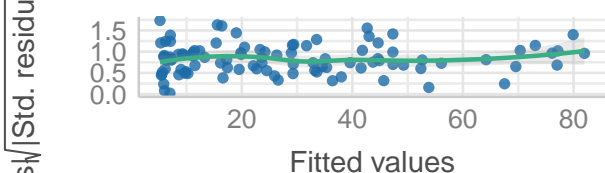
## Overdispersion and zero-inflation

Observed residual variance (green) should follow predicted



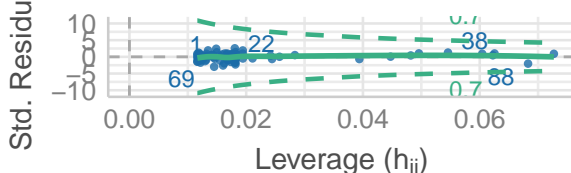
## Homogeneity of Variance

Reference line should be flat and horizontal



## Influential Observations

Points should be inside the contour lines



## Normality of Residuals

Dots should fall along the line

