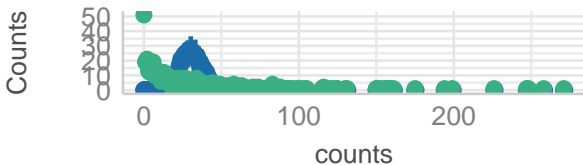


## Posterior Predictive Check

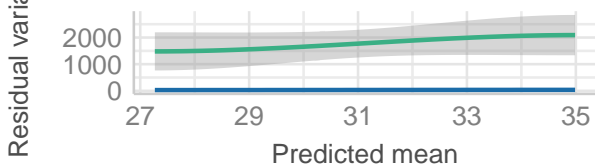
Model-predicted intervals should include observed data points



● Observed data ● Model-predicted data

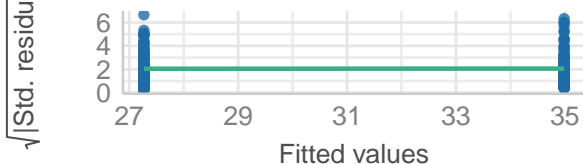
## Misspecified dispersion and zero-inflation

Observed residual variance (green) should follow predicted intervals



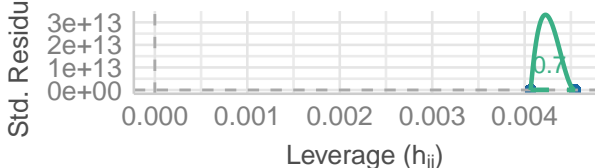
## Homogeneity of Variance

Reference line should be flat and horizontal



## Influential Observations

Points should be inside the contour lines



## Uniformity of Residuals

Points should fall along the line

