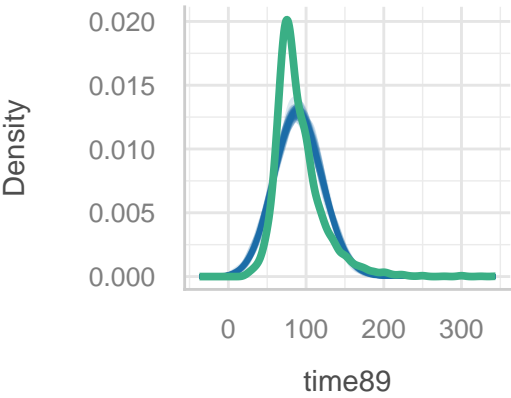


Posterior Predictive Check

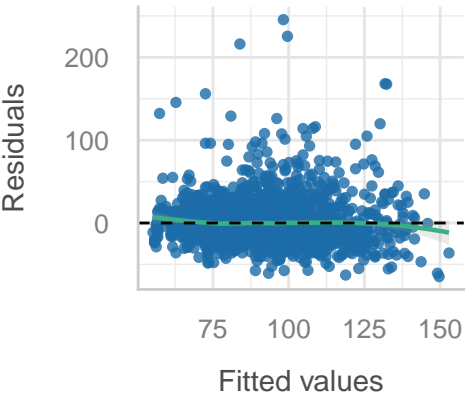
Model-predicted lines should resemble observed data lines



Observed data    Model-predicted data

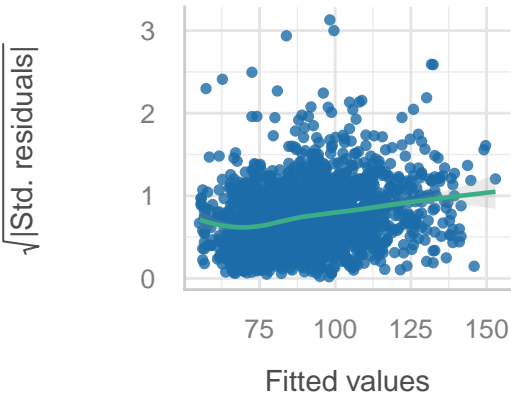
Linearity

Residuals should be flat and horizontal



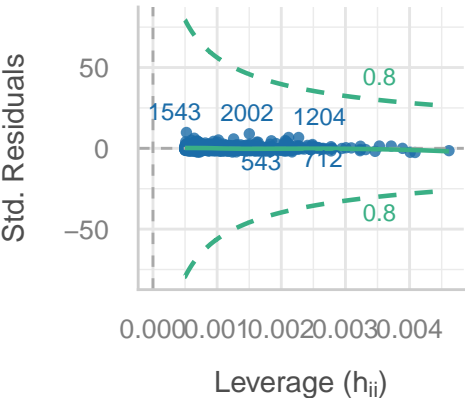
Homogeneity of Variance

Reference line should be flat and horizontal



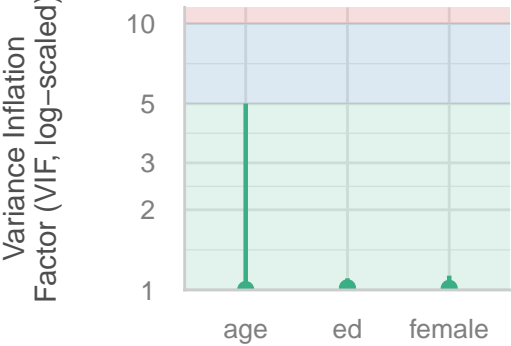
Influential Observations

Points should be inside the contour lines



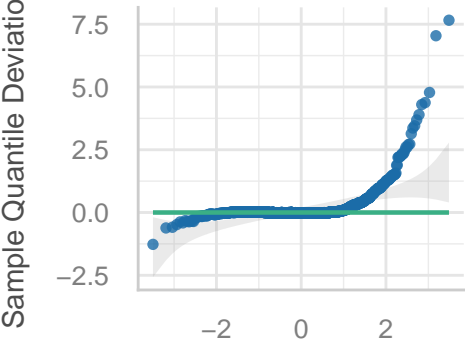
Collinearity

High collinearity (VIF) may inflate parameter estimates



Normality of Residuals

Points should all along the line



Low (< 5)