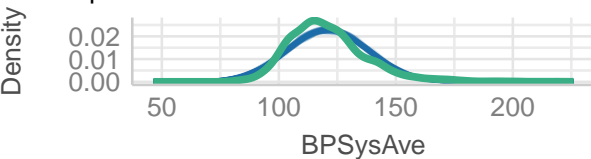


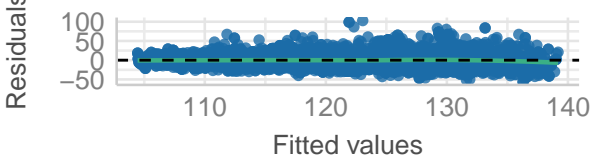
## Posterior Predictive Check

Model-predicted lines should resemble observed data



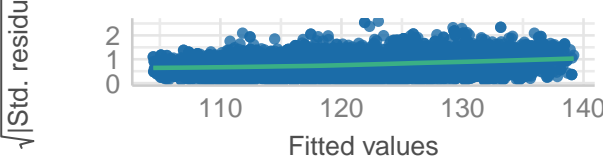
## Linearity

Reference line should be flat and horizontal



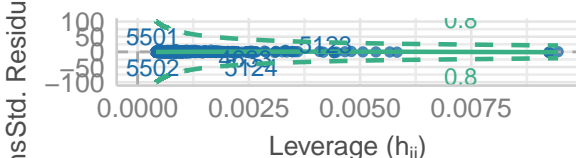
## Homogeneity of Variance

Reference line should be flat and horizontal



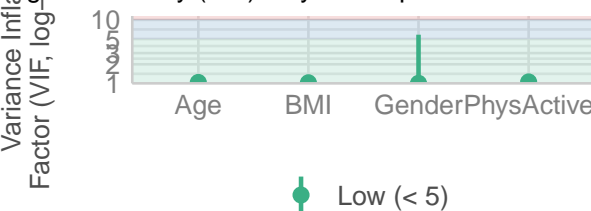
## Influential Observations

Points should be inside the contour lines



## Collinearity

High collinearity (VIF) may inflate parameter uncertainty



## Normality of Residuals

Points should fall along the line

