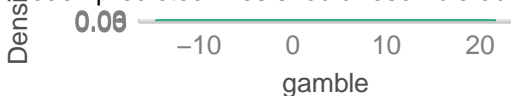


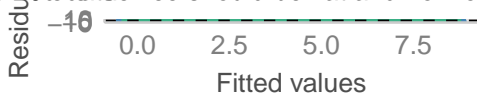
Posterior Predictive Check

Model-predicted lines should resemble observed data and line should be flat and horizontal



Linearity

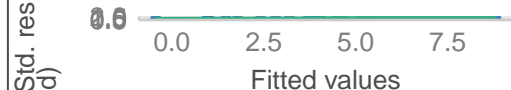
Reference line should be flat and horizontal



— Observed data — Model-predicted data

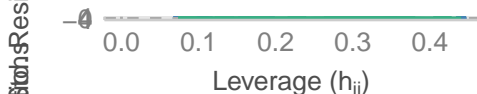
Homogeneity of Variance

Reference line should be flat and horizontal



Influential Observations

Points should be inside the contour lines



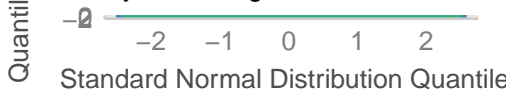
Collinearity

High collinearity (VIF) may inflate parameter estimates



Normality of Residuals

Points should fall along the line



Variance Inflation Factor (VIF, log-scaled)

● Low (< 5)