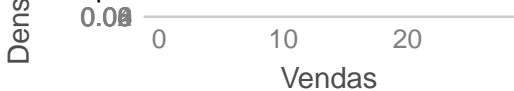


## Posterior Predictive Check

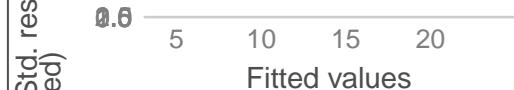
Model-predicted lines should resemble observed



— Observed data — Model-predict

## Homogeneity of Variance

Reference line should be flat and horizontal



## Linearity

High collinearity (VIF) may inflate parameter

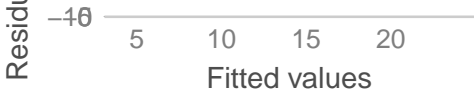


Variance Inflation Factor (VIF, log-scaled)

Low (< 5)

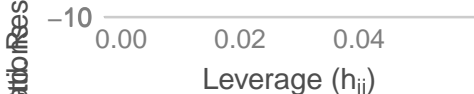
## Linearity

Reference line should be flat and horizontal



## Influential Observations

Points should be inside the contour lines



## Normality of Residuals

Points should fall along the line

