Posterior Predictive Check
Model–predicted lines should resemble observed data line
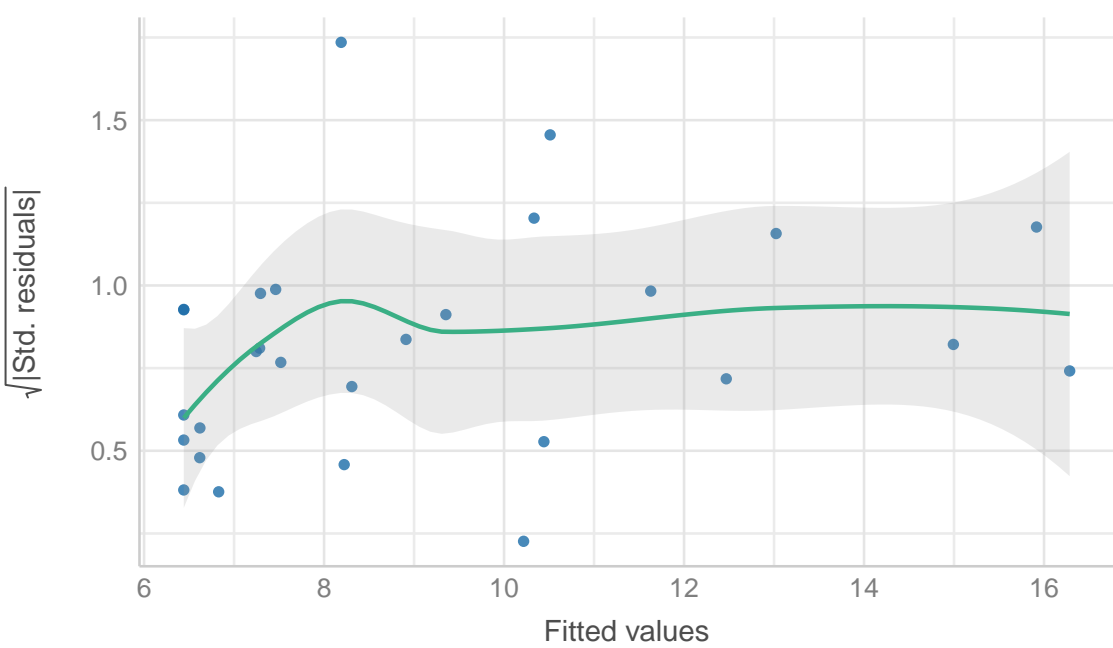
Linearity
Reference line should be flat and horizontal
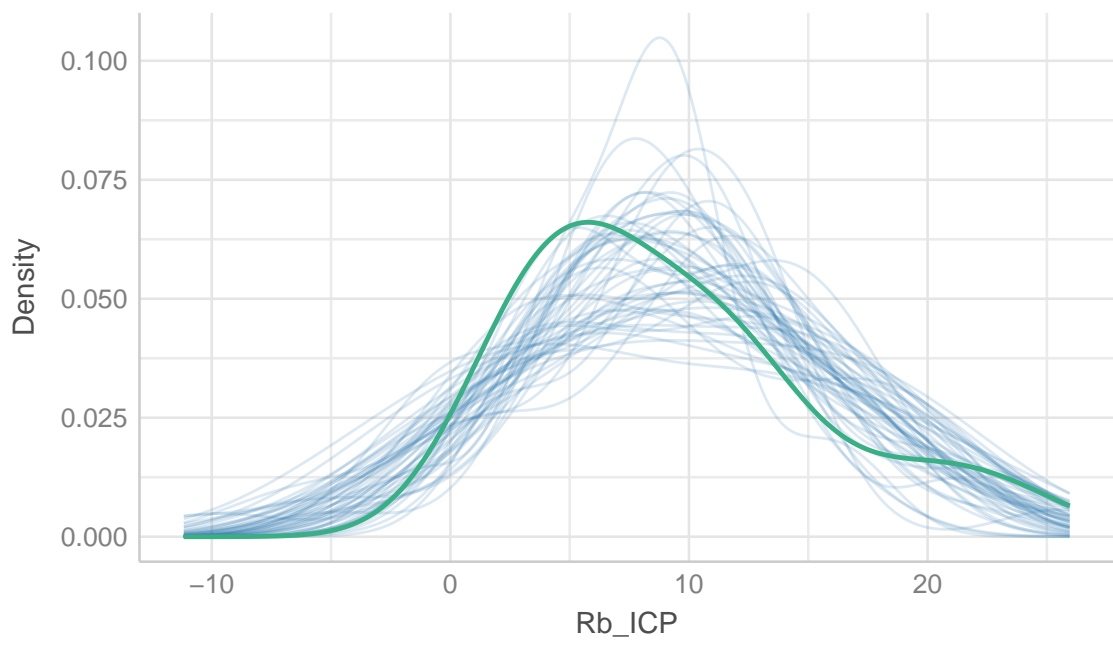
key — Model–predicted data — Observed data — Observed data — Model–predicted
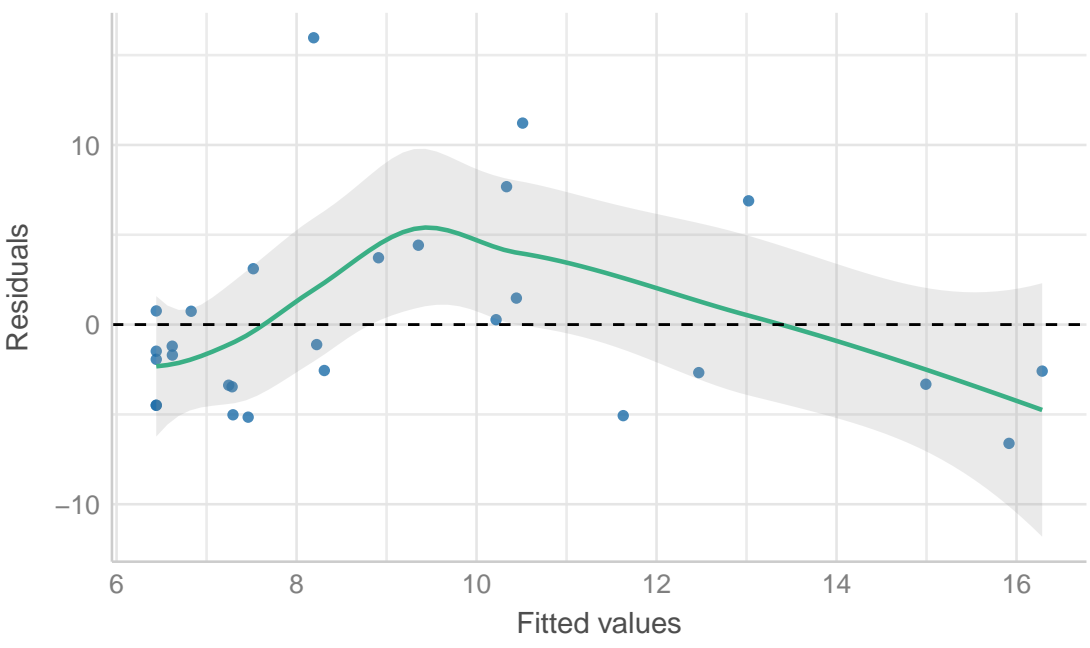
Homogeneity of Variance
Reference line should be flat and horizontal

Influential Observations
Points should be inside the contour lines
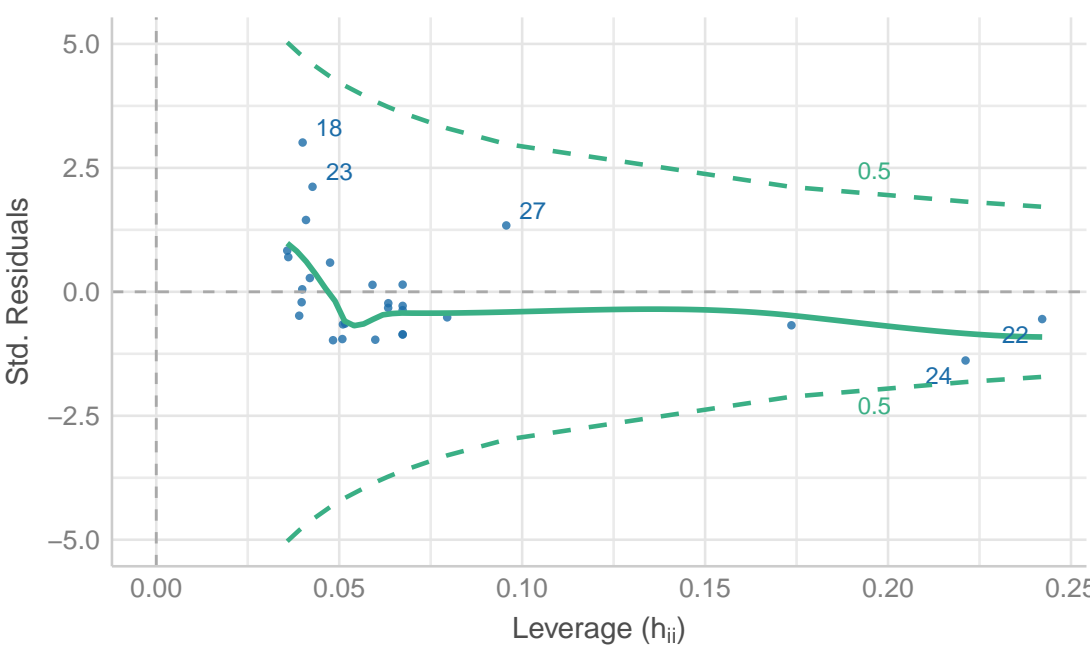
Normality of Residuals
Dots should fall along the line