Posterior Predictive Check
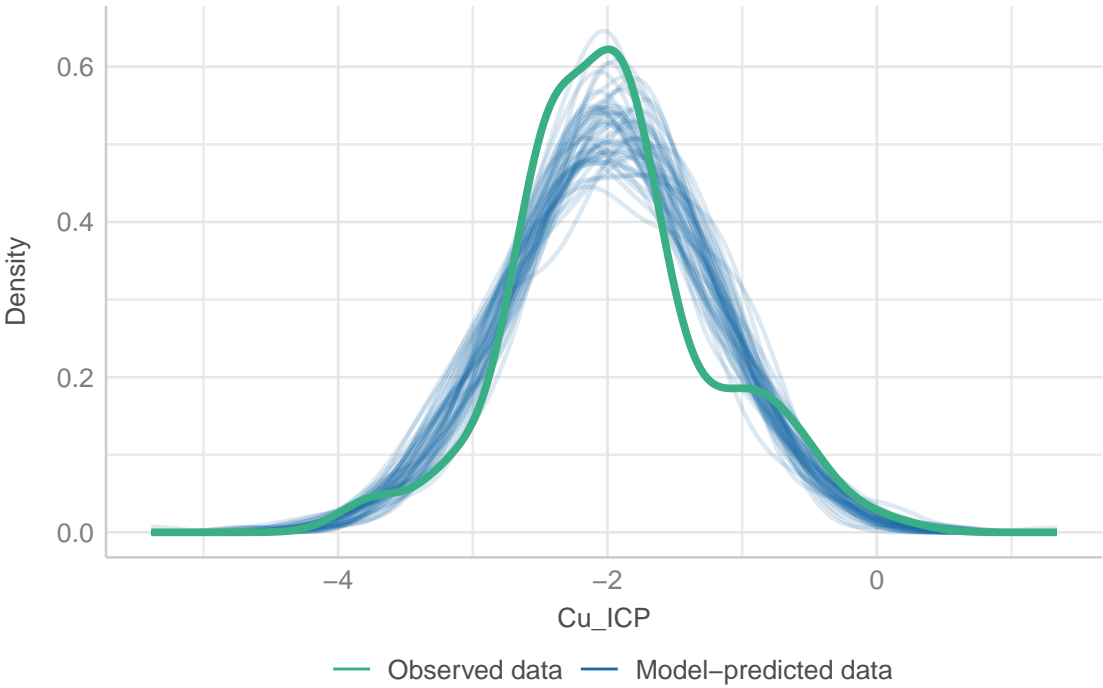Model−predicted lines should resemble observed data line

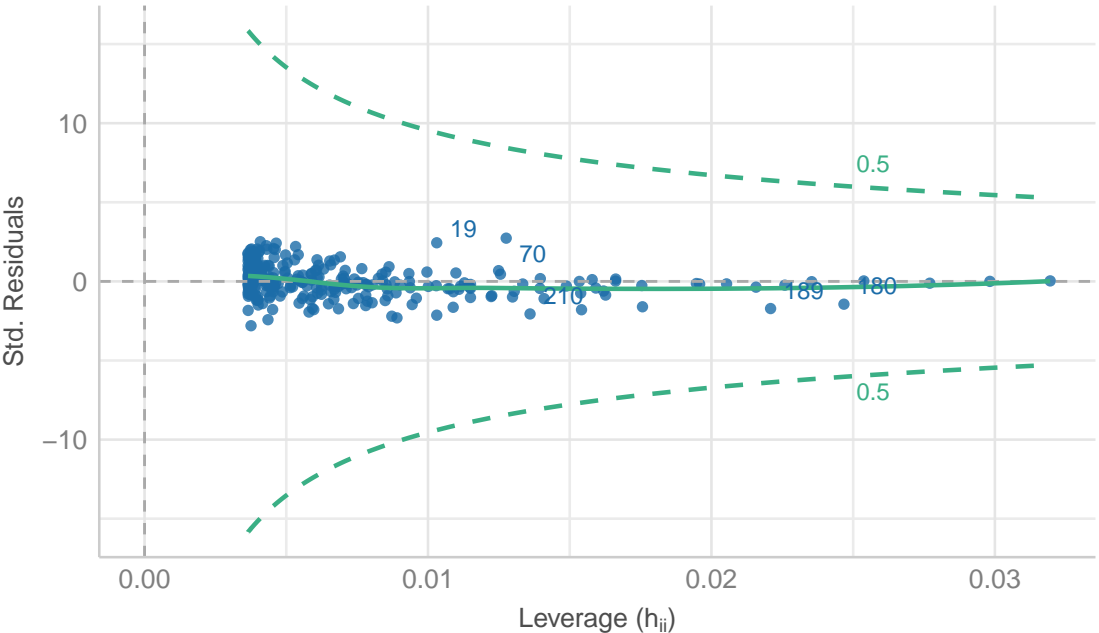Density vs Cu_ICP

— Observed data   — Model−predicted data

Linearity
Reference line should be flat and horizontal

Residuals vs Fitted values
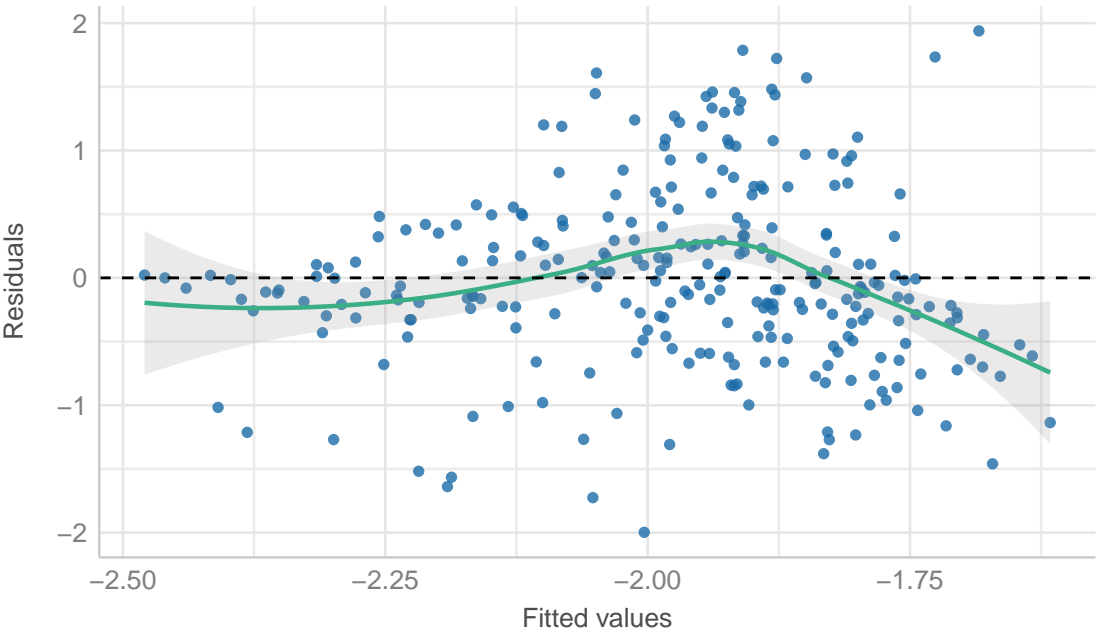
Homogeneity of Variance
Reference line should be flat and horizontal

$\sqrt{|\text{Std. residuals}|}$ vs Fitted values
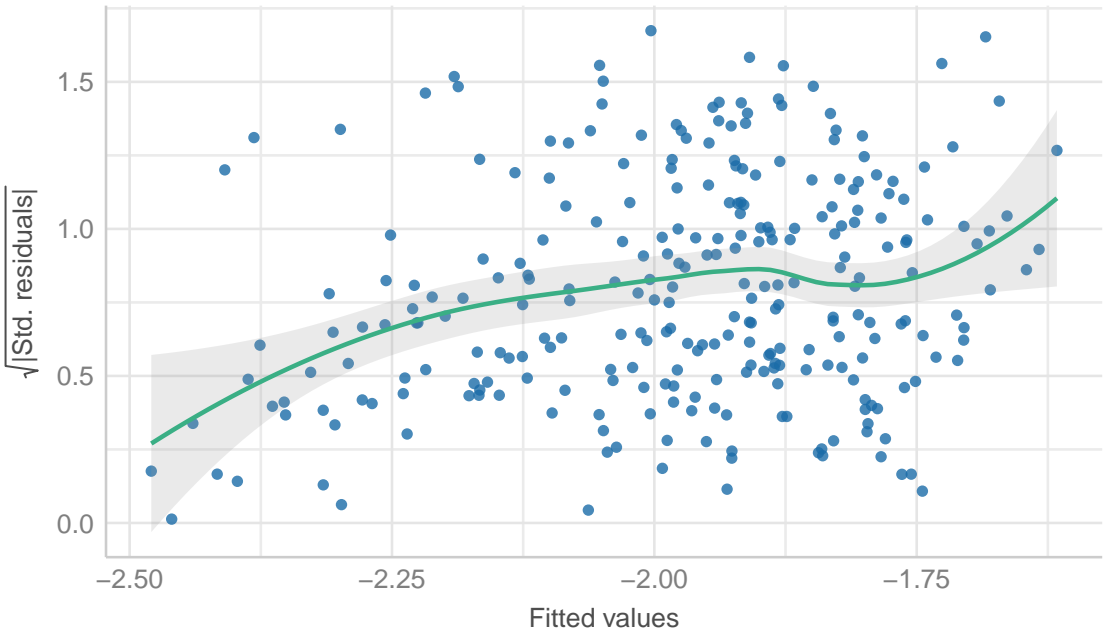
Influential Observations
Points should be inside the contour lines

Std. Residuals vs Leverage (h_{ii})

0.5

19
70
210
189 180

0.5

Normality of Residuals
Dots should fall along the line

Sample Quantile Deviations vs Standard Normal Distribution Quantiles