Posterior Predictive Check
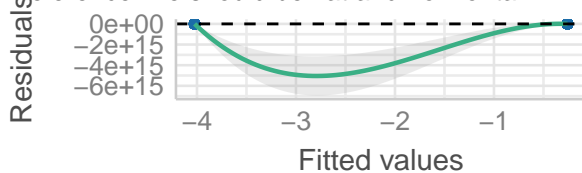Model-predicted lines should resemble observed d

Density — item_test_SCALED
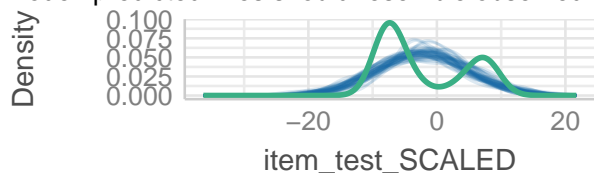
— Model-predicted data — Observed

Linearity
Reference line should be flat and horizontal

Residuals — Fitted values

Homogeneity of Variance
Reference line should be flat and horizontal

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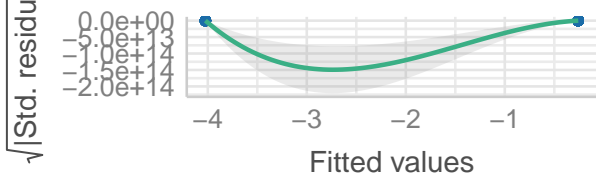
Influential Observations
Points should be inside the contour lines

Std. Residuals — Leverage (h_{ii})
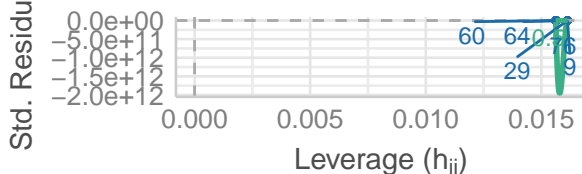
Normality of Residuals
Dots should fall along the line

Sample Quantiles — Standard Normal Distribution Quantiles