**Posterior Predictive Check**
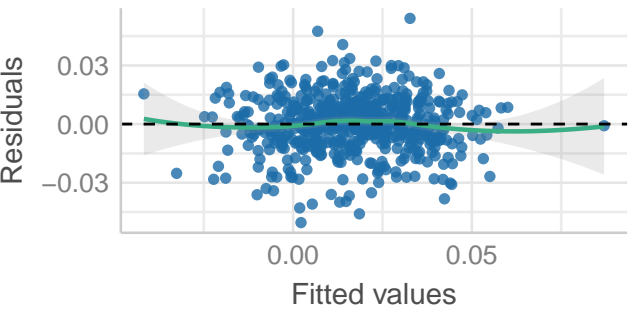Model–predicted lines should resemble observed data

**Linearity**
Reference line should be flat and horizontal
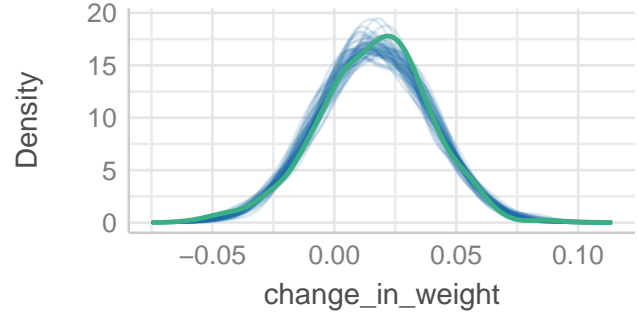
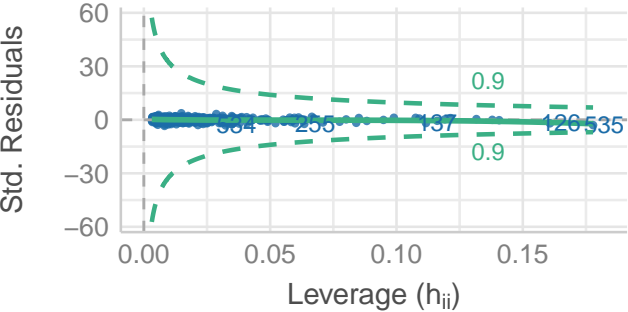el–predicted data ━ Observed data ━ Observed data

**Homogeneity of Variance**
Reference line should be flat and horizontal
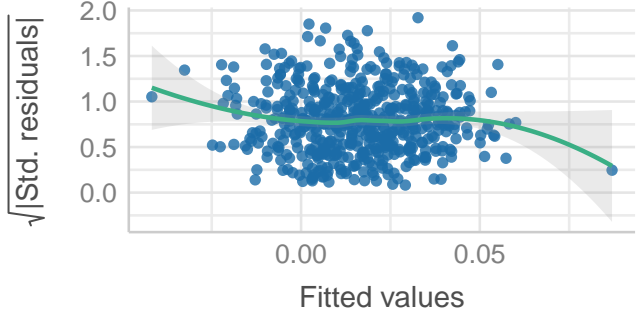
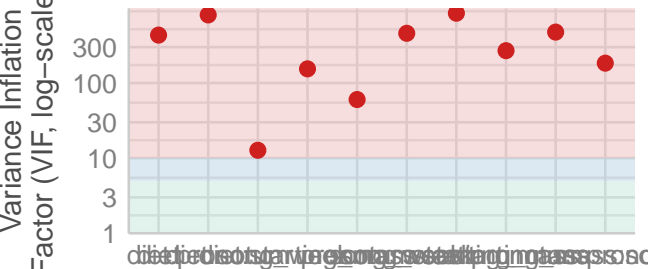**Influential Observations**
Points should be inside the contour lines

**Collinearity**
High collinearity (VIF) may inflate parameter uncertainty

**Normality of Residuals**
Dots should fall along the line

High (... 10)