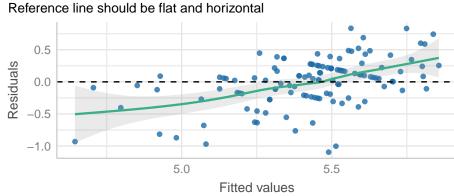
## Posterior Predictive Check Model-predicted lines should resemble observed data line 0.004 Density 0.003 0.002 0.001 0.000 250 500 750 1000 1250 log1p(evs\_score) Observed data — Model-predicted data Homogeneity of Variance Reference line should be flat and horizontal 1.6 √|Std. residuals 1.2 8.0 0.4 5.0 5.5 Fitted values Collinearity High collinearity (VIF) may inflate parameter uncertainty Variance Inflation Factor (VIF, log-scaled) 10 allocation\_group allocation\_group:visit visit Low (< 5) Moderate (< 10) Normality of Random Effects (record\_id) Dots should be plotted along the line 0.5 RE Quantiles 0.0 -0.5

0 Theoretical Quantiles

-1.0

-2



Linearity

0.0

## Influential Observations Points should be inside the contour lines State of the contour lines of the contour line

0.2

Leverage (h<sub>ii</sub>)

0.3

0.1

