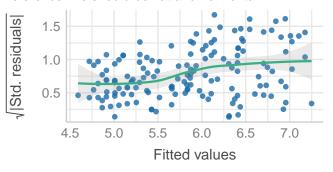
Posterior Predictive Check Linearity Model-predicted lines should resemble observed data li Reference line should be flat and horizontal 1.0 0.4 Residuals 0.5 Density 0.3 0.0 0.2 -0.50.1 -1.00.0 4.5 5.0 5.5 6.0 6.5 7.0 3

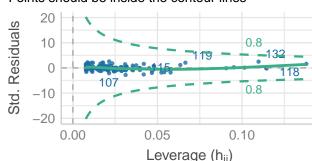
Homogeneity of Variance Reference line should be flat and horizontal



Sepal.Length

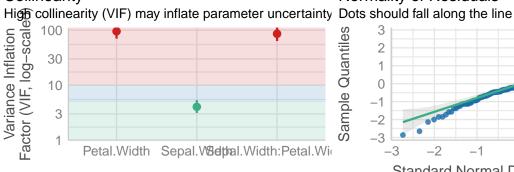
Observed data - Model-predicted data

Influential Observations Points should be inside the contour lines

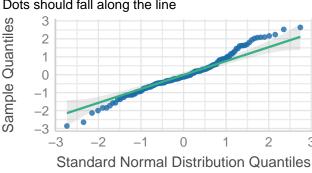


Fitted values

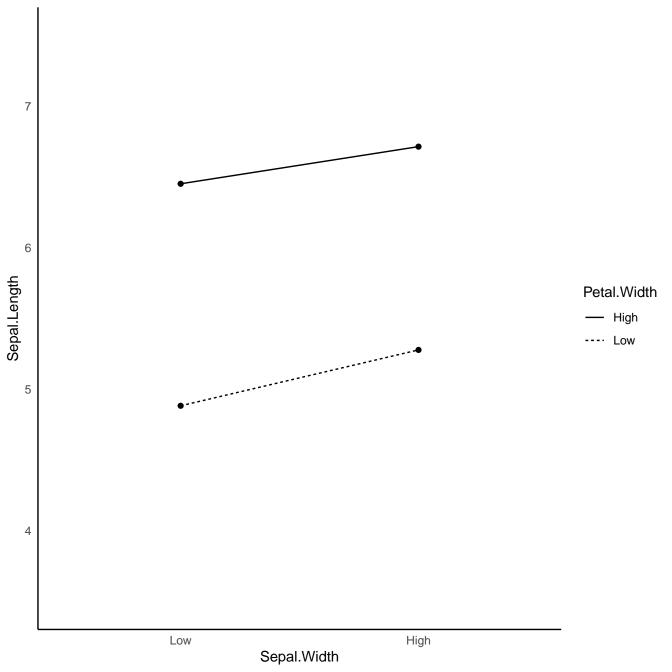
Collinearity

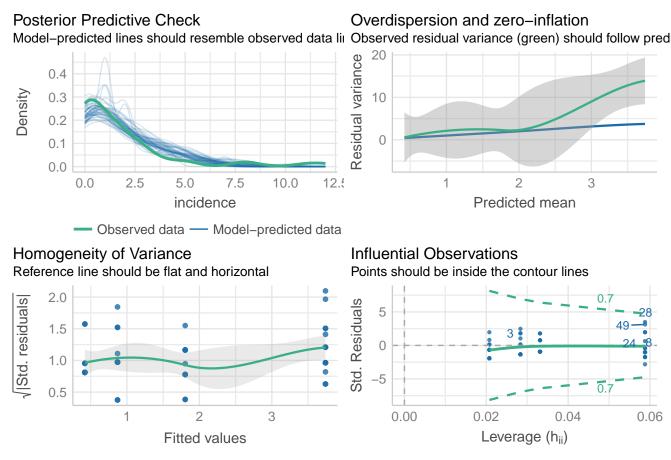


Normality of Residuals



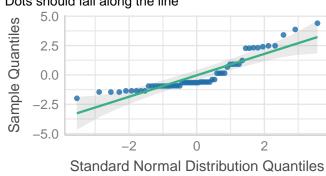
Low (< 5) High (... 10)



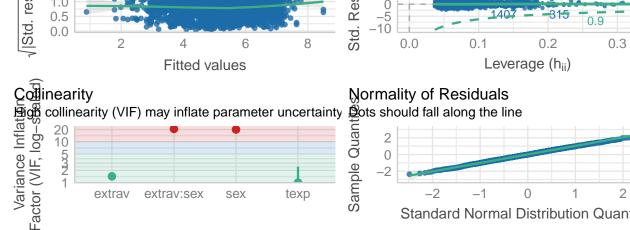


Normality of Residuals

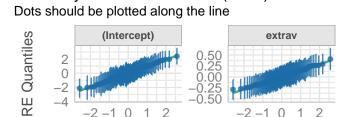
Dots should fall along the line



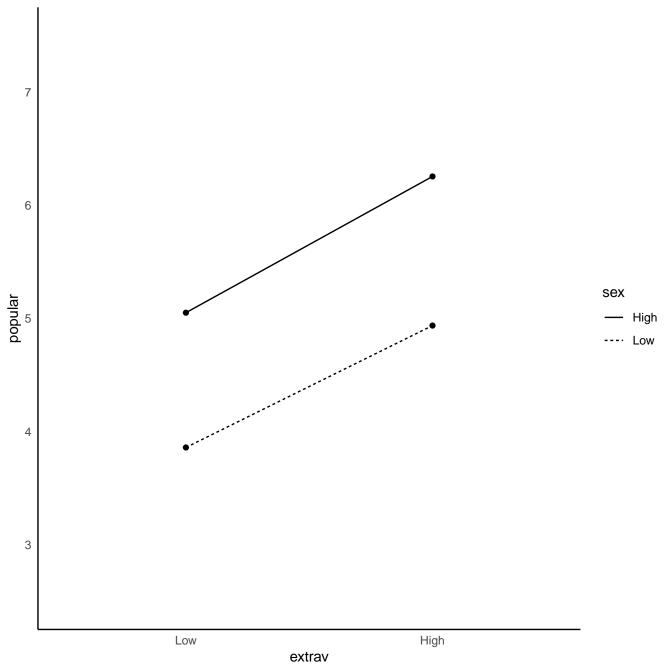
Posterior Predictive Check Linearity Model-predicted lines should resemble observed data li Reference line should be flat and horizontal 0.3 Residuals Density 0.2 0.1 0.0 0.0 2.5 5.0 7.5 10.0 2 popular Fitted values Observed data — Model-predicted data Homogeneity of Variance Influential Observations Reference line should be flat and horizontal 1.5 1.0 0.5 0.0 2 4 6 Points should be inside the contour lines 10 1345 527 868 27 1345 527 868 1407 315 0 0.0 0.1 0.2 0.9 0.3





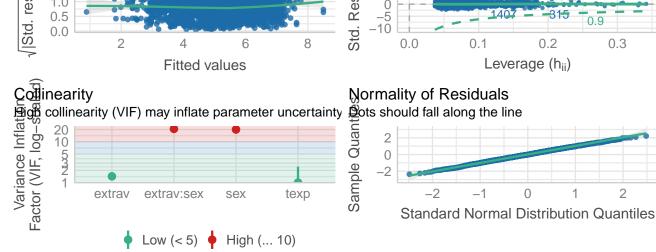


Theoretical Quantiles

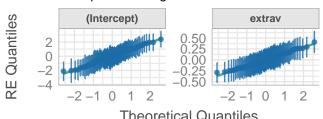


Posterior Predictive Check Linearity Model-predicted lines should resemble observed data li Reference line should be flat and horizontal 0.3 Residuals Density 0.2 0.1 0.0 0.0 2.5 5.0 7.5 10.0 2 popular Fitted values Observed data — Model-predicted data Homogeneity of Variance Influential Observations Reference line should be flat and horizontal 1.5 1.0 0.5 0.0 2 4 6 Points should be inside the contour lines 10 1345 527 868 27 1345 527 868 1407 315 0 0.0 0.1 0.2 0.9 0.3 Leverage (h_{ii})

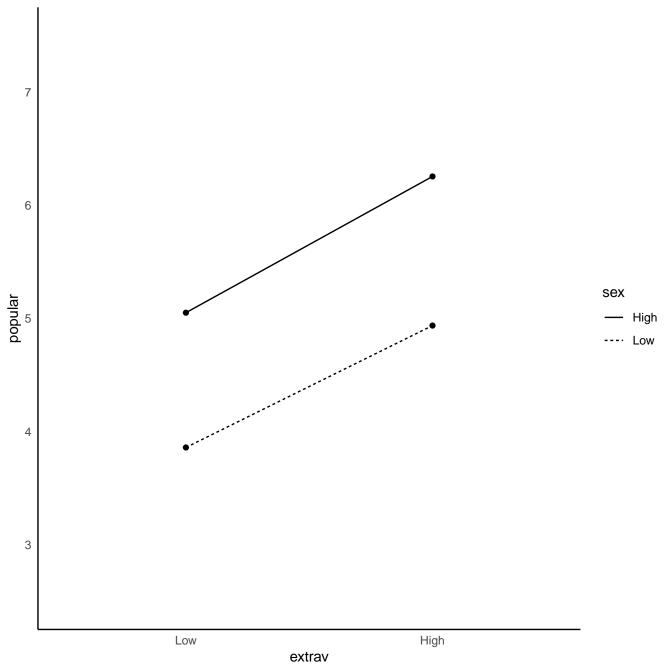
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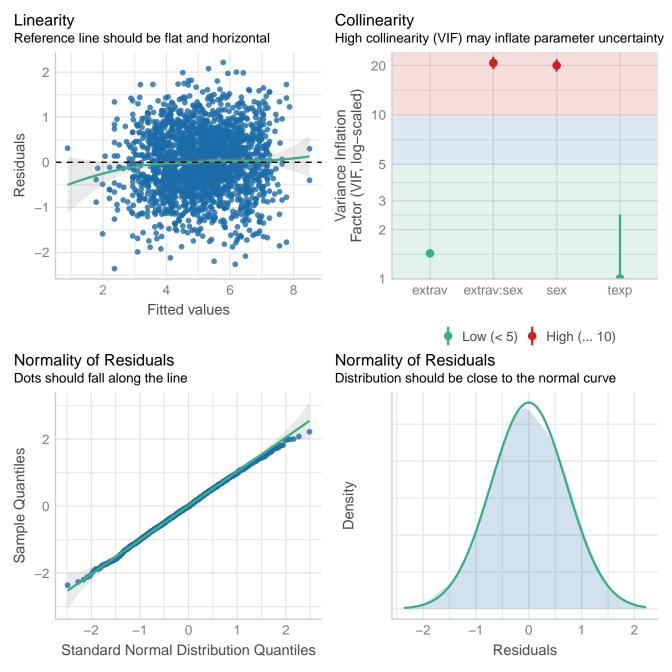


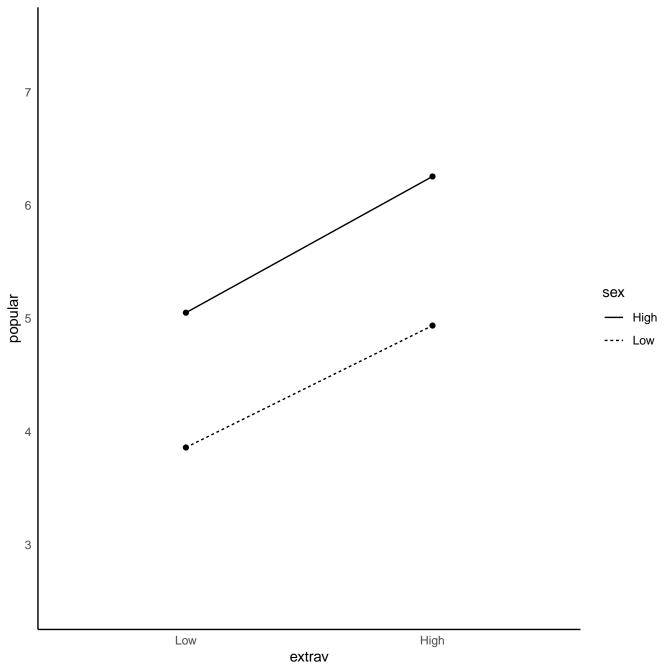
Normality of Random Effects (class) Dots should be plotted along the line



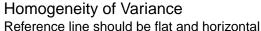
Theoretical Quantiles

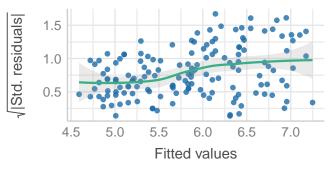




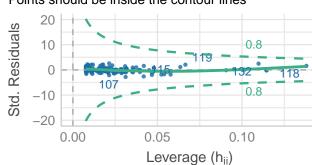


Posterior Predictive Check Linearity Model-predicted lines should resemble observed data li Reference line should be flat and horizontal 0.5 1.0 0.4 Residuals 0.5 Density 0.3 0.0 0.2 -0.50.1 -1.00.0 4.5 5.0 5.5 6.0 6.5 7.0 3 Sepal.Length Fitted values Observed data — Model-predicted data

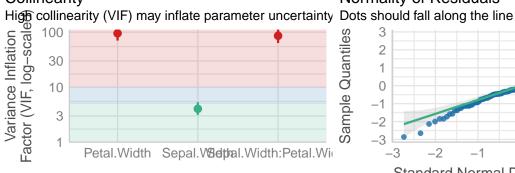




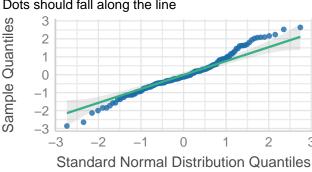
Influential Observations Points should be inside the contour lines



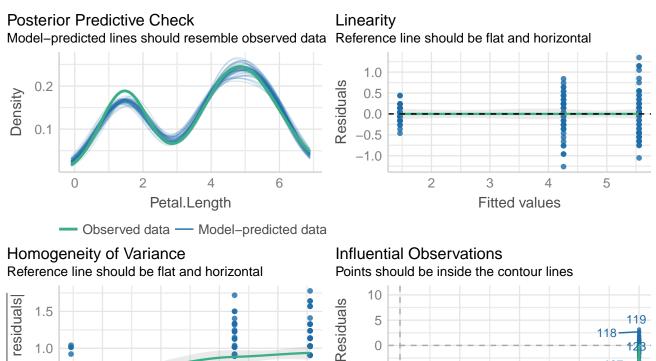
Collinearity

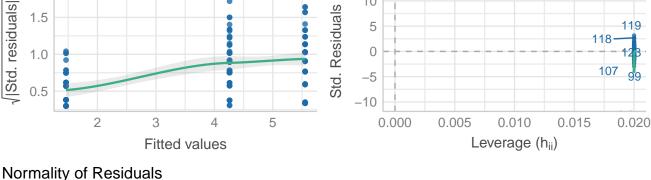


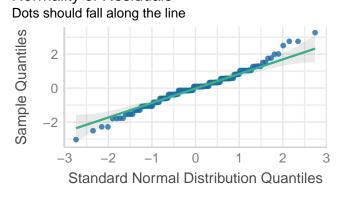
Normality of Residuals

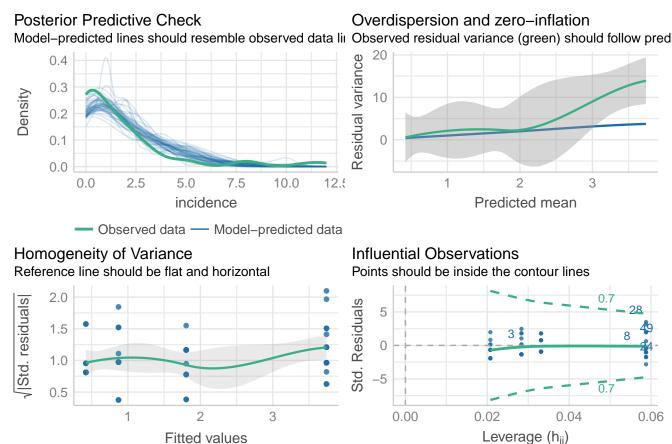


Low (< 5) High (... 10)

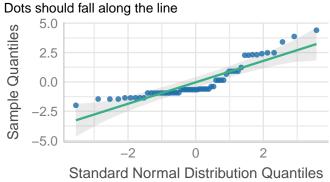


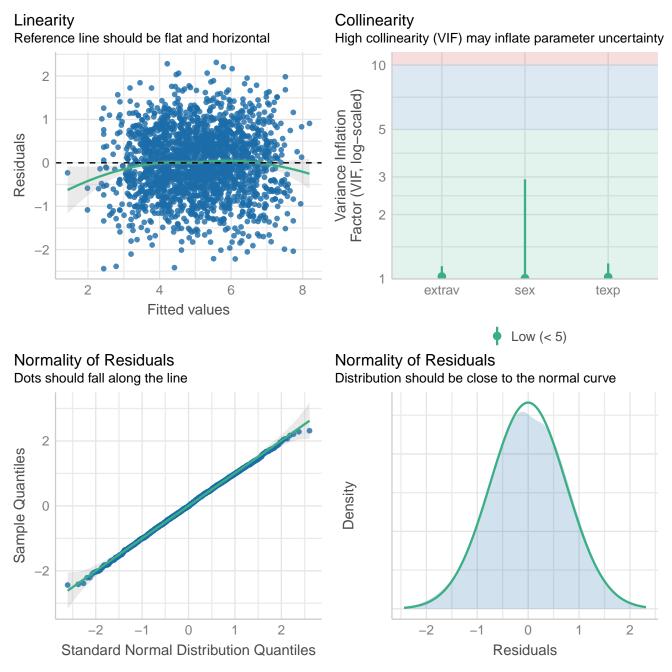




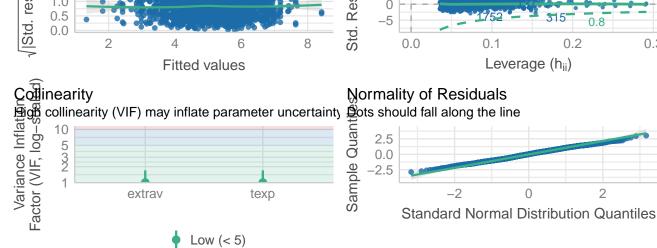


Normality of Residuals

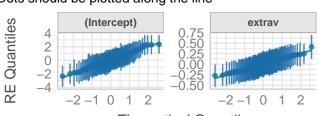




Posterior Predictive Check Linearity Model-predicted lines should resemble observed data I Reference line should be flat and horizontal Residuals 0.3 Density 0.2 0.1 0.0 Fitted values popular Observed data — Model-predicted data Homogeneity of Variance Influential Observations Reference line should be flat and horizontal 1.5 1.0 0.5 0.0 2 4 6 0.3 Leverage (h_{ii})



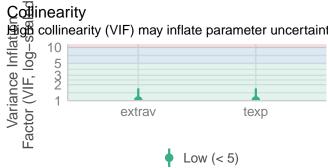
Normality of Random Effects (class) Dots should be plotted along the line



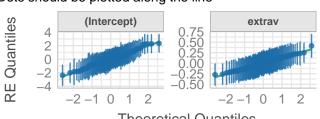
Theoretical Quantiles

Posterior Predictive Check Linearity Model-predicted lines should resemble observed data I Reference line should be flat and horizontal Residuals 0.3 Density 0.2 0.1 0.0 Fitted values popular Observed data — Model-predicted data Homogeneity of Variance Influential Observations Reference line should be flat and horizontal 1.5 1.0 0.5 0.0 2 4 6 Region Collinearity Solution Collinearity Solution Collinearity Solution Collinearity Solution Collinearity Englinearity Solution Collinearity Solution Collinearity Englinearity Englinearity Solution Collinearity Englinearity Englinea 0.3 Leverage (h_{ii})

Standard Normal Distribution Quantiles



Normality of Random Effects (class) Dots should be plotted along the line



Theoretical Quantiles