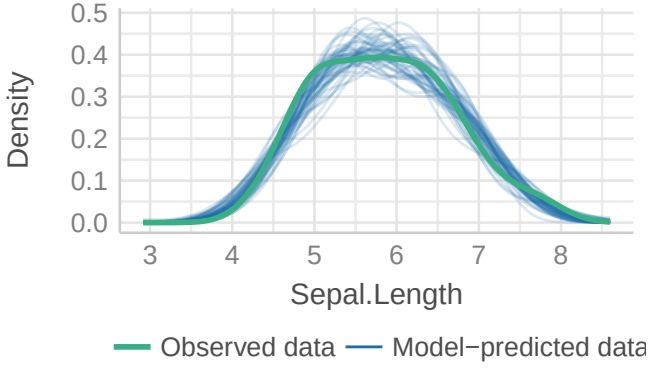
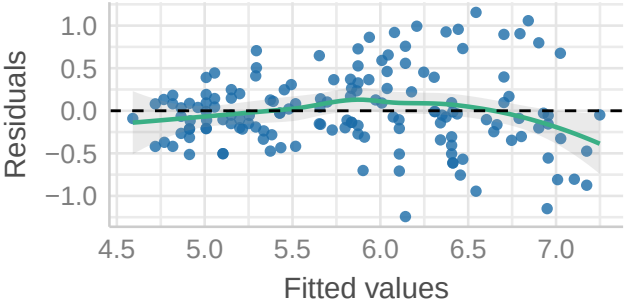
Posterior Predictive Check

Model−predicted lines should resemble observed data li



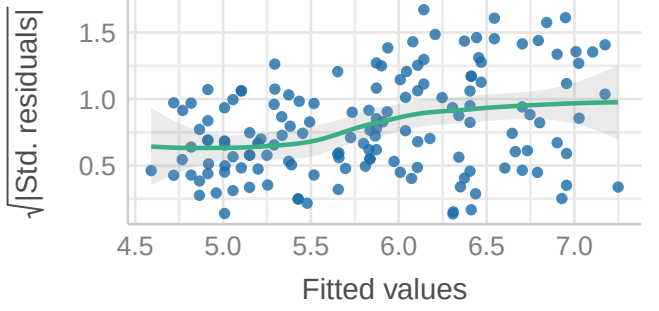
Linearity

Reference line should be flat and horizontal



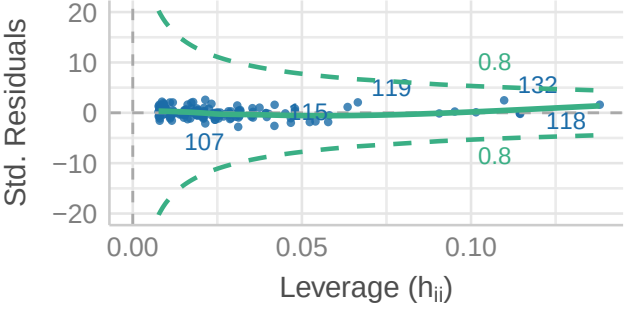
Homogeneity of Variance

Reference line should be flat and horizontal



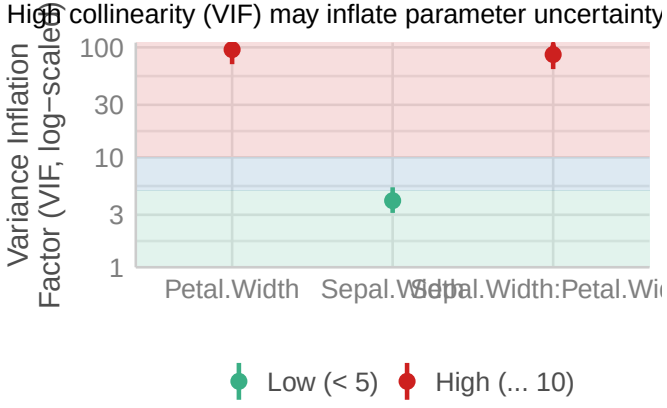
Influential Observations

Points should be inside the contour lines



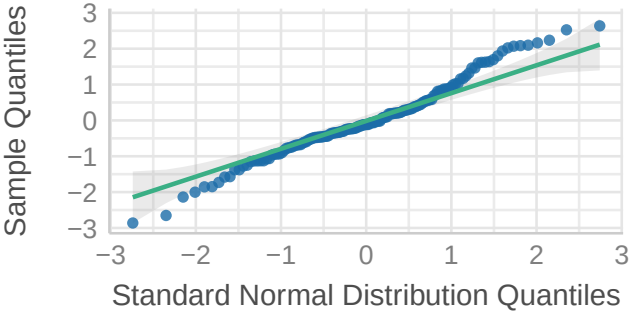
Collinearity

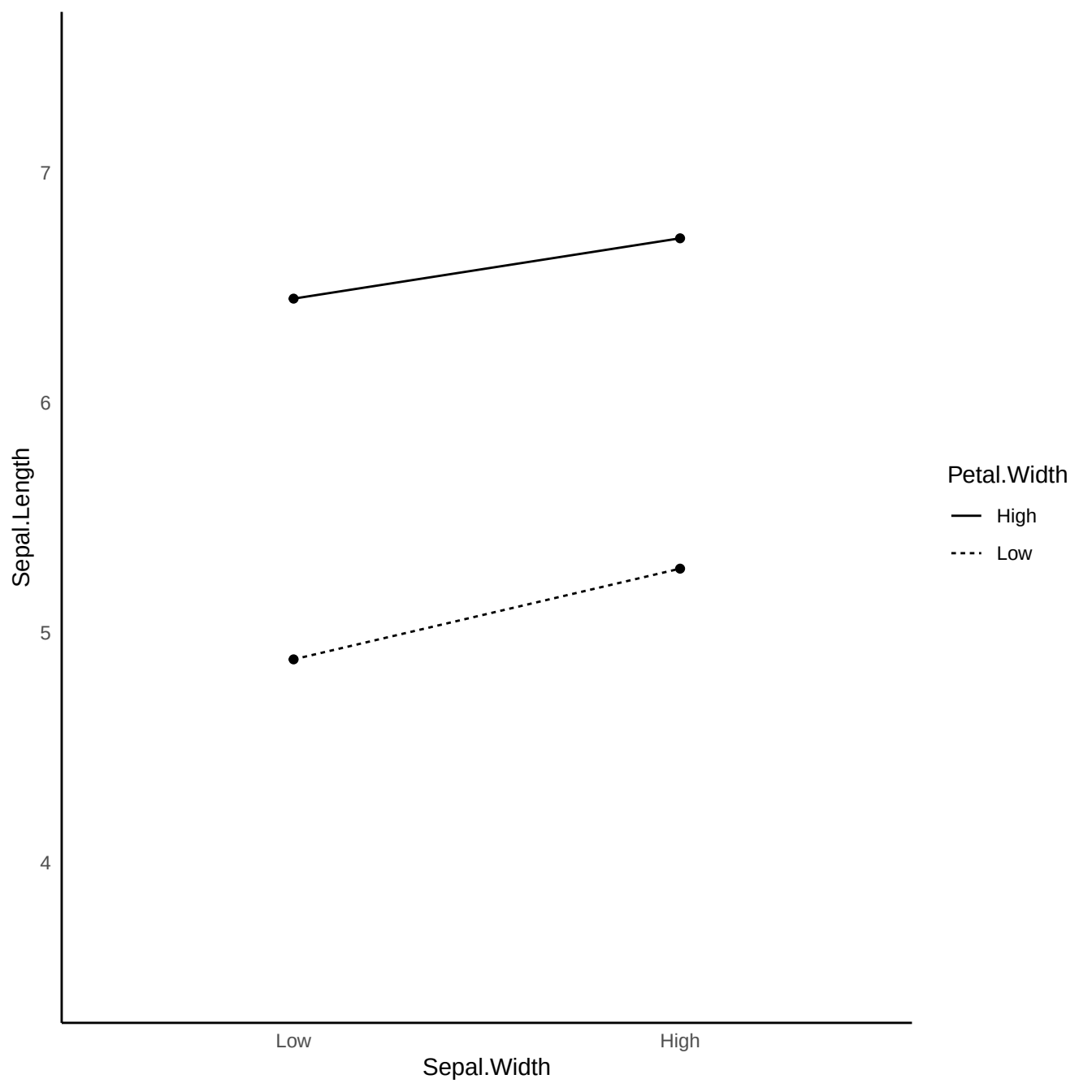
High collinearity (VIF) may inflate parameter uncertainty



Normality of Residuals

Dots should fall along the line




7
6
5
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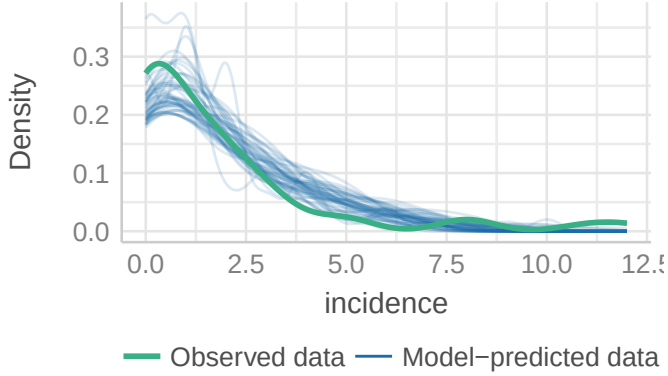
Sepal.Length
Low
High
Sepal.Width
Petal.Width
High
Low

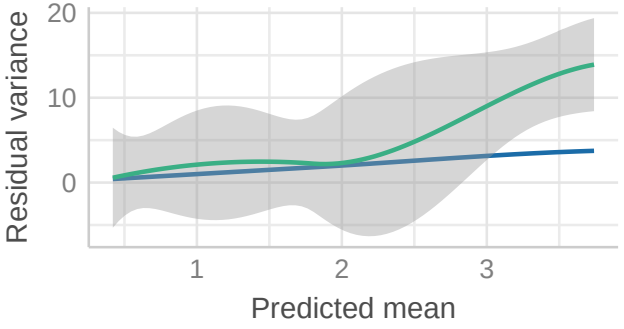
Posterior Predictive Check

Model−predicted lines should resemble observed data li



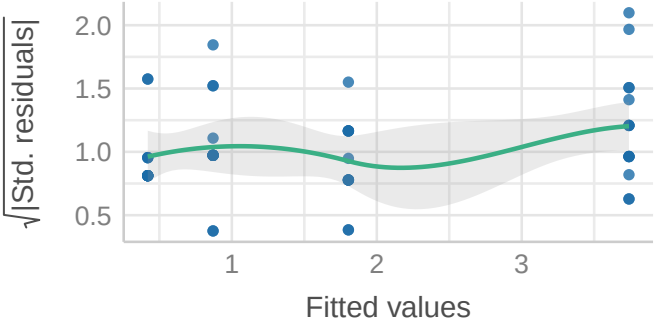
Overdispersion and zero−inflation

Observed residual variance (green) should follow pred



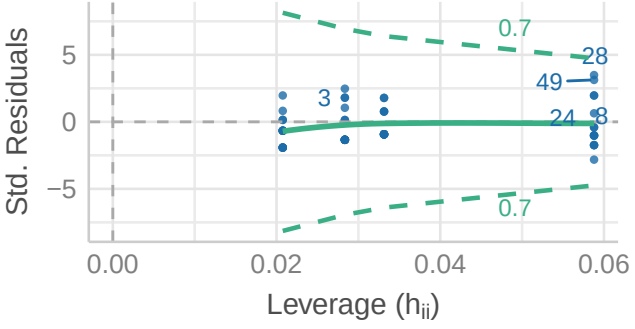
Homogeneity of Variance

Reference line should be flat and horizontal



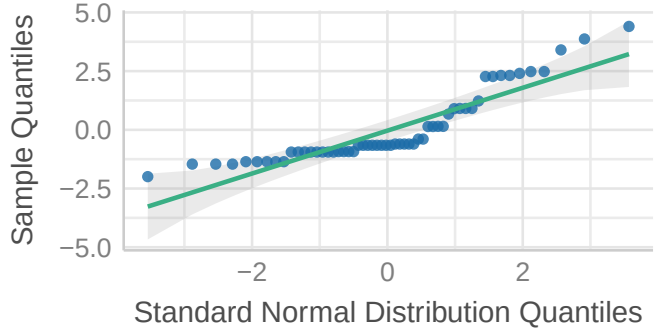
Influential Observations

Points should be inside the contour lines



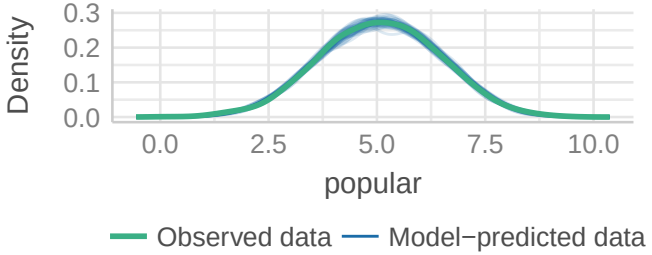
Normality of Residuals

Dots should fall along the line



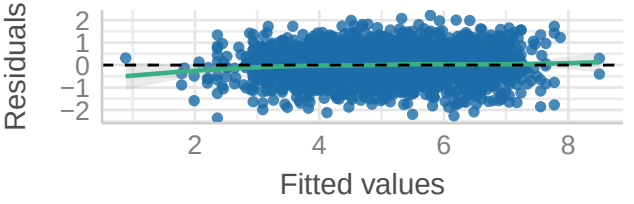
Posterior Predictive Check

Model−predicted lines should resemble observed data li



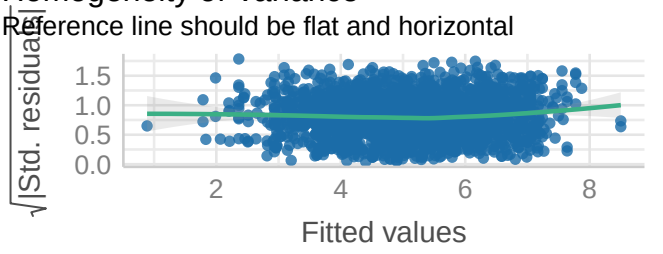
Linearity

Reference line should be flat and horizontal



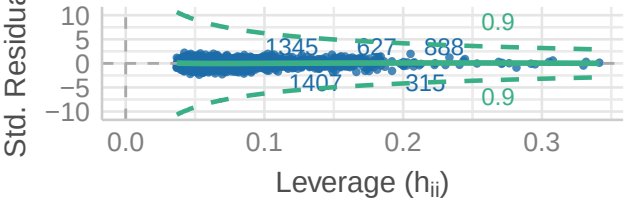
Homogeneity of Variance

Reference line should be flat and horizontal



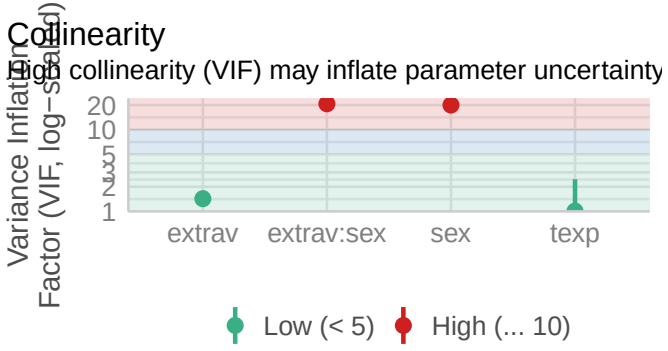
Influential Observations

Points should be inside the contour lines



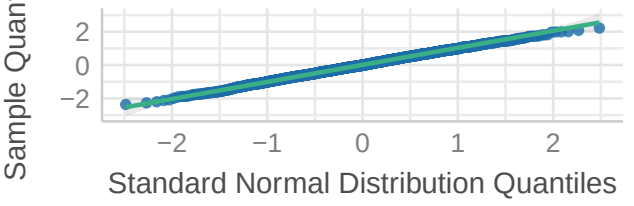
Collinearity

High collinearity (VIF) may inflate parameter uncertainty



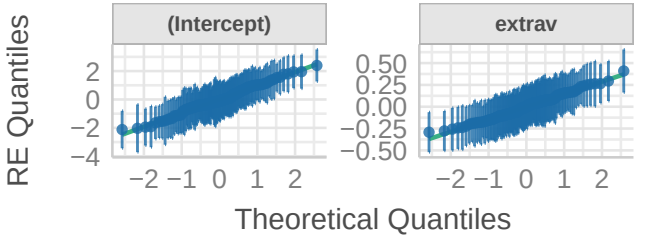
Normality of Residuals

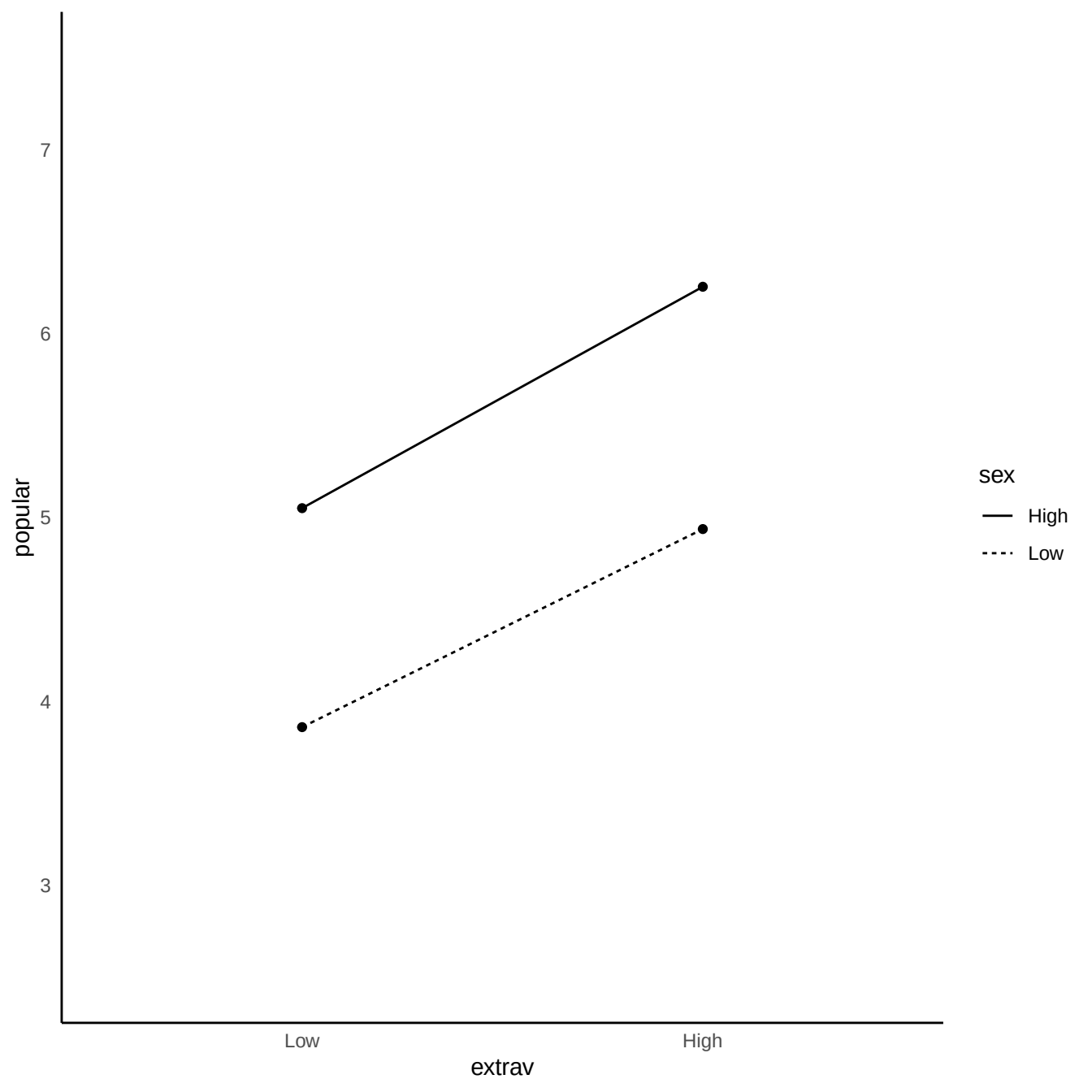
Dots should fall along the line



Normality of Random Effects (class)

Dots should be plotted along the line




7
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popular
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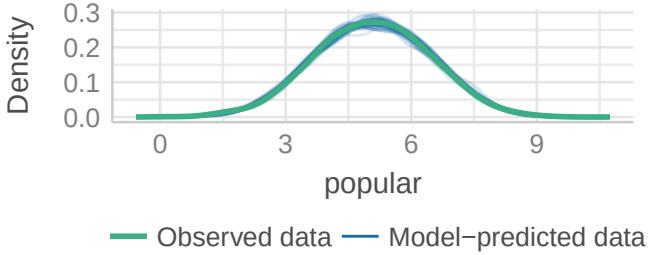
High
extrav
sex
High
Low

Posterior Predictive Check

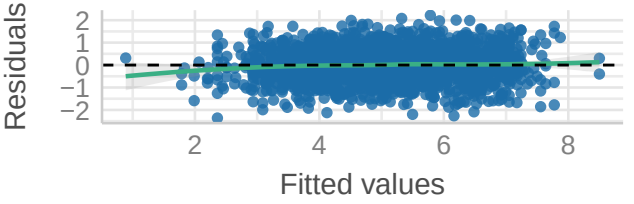
Model−predicted lines should resemble observed data li



Observed data Model−predicted data

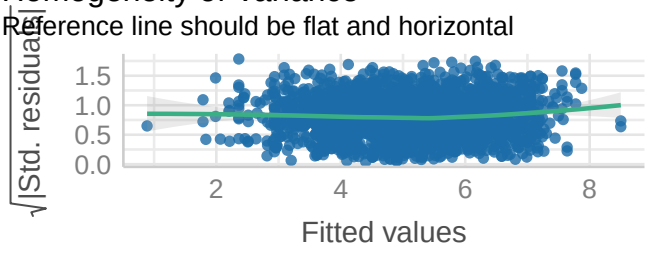
Linearity

Reference line should be flat and horizontal



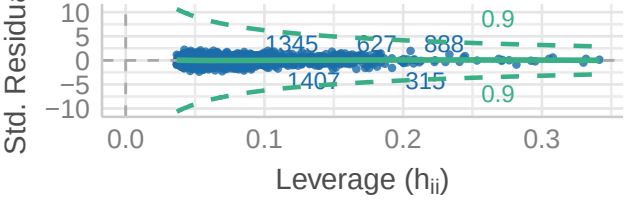
Homogeneity of Variance

Reference line should be flat and horizontal



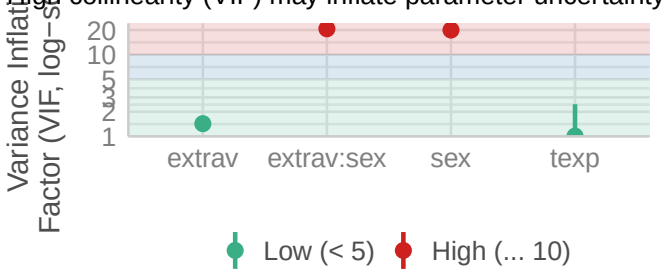
Influential Observations

Points should be inside the contour lines



Collinearity

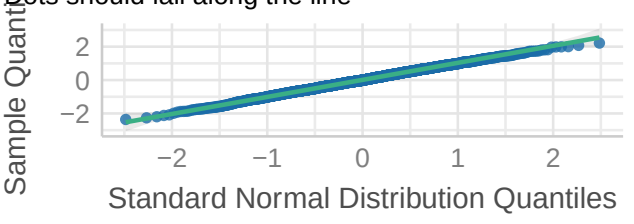
High collinearity (VIF) may inflate parameter uncertainty



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

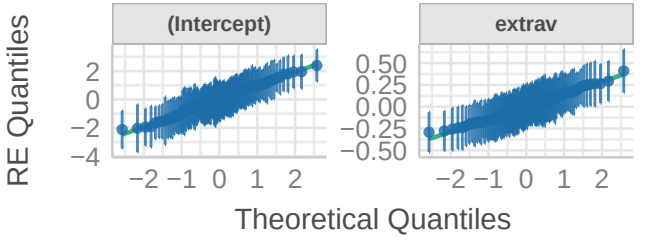
Normality of Residuals

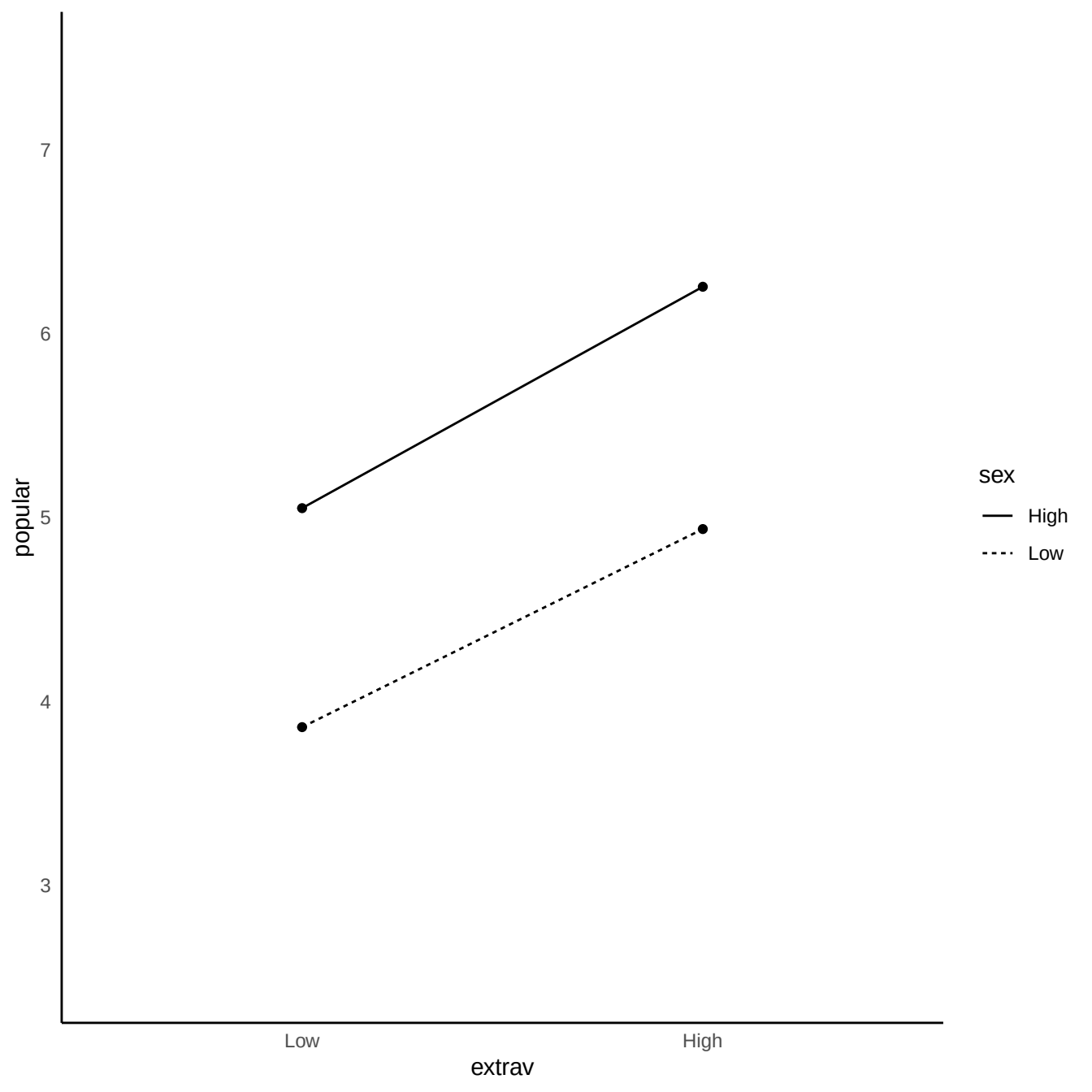
Dots should fall along the line



Normality of Random Effects (class)

Dots should be plotted along the line




7
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5
4
3
popular
Low
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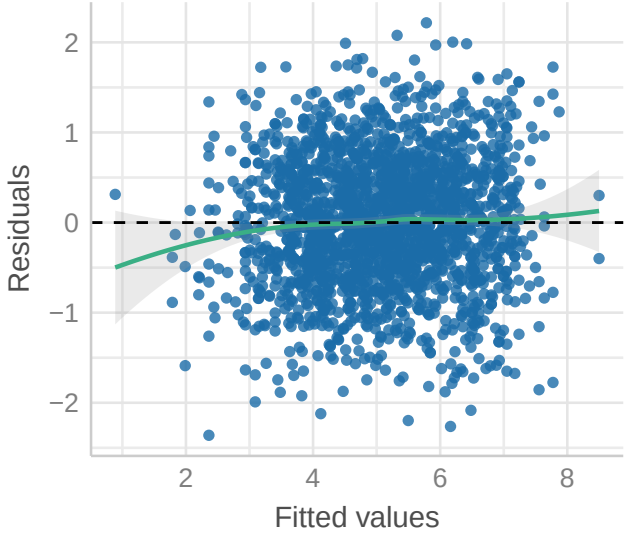
extrav
sex
High
Low

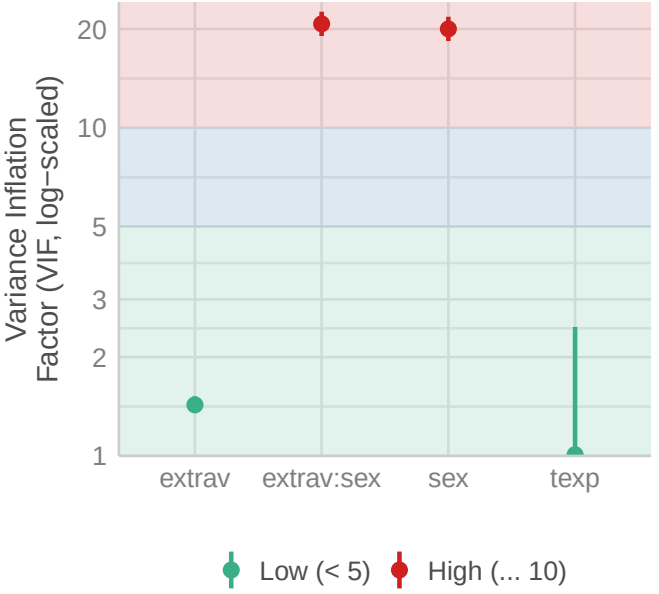
Linearity

Reference line should be flat and horizontal



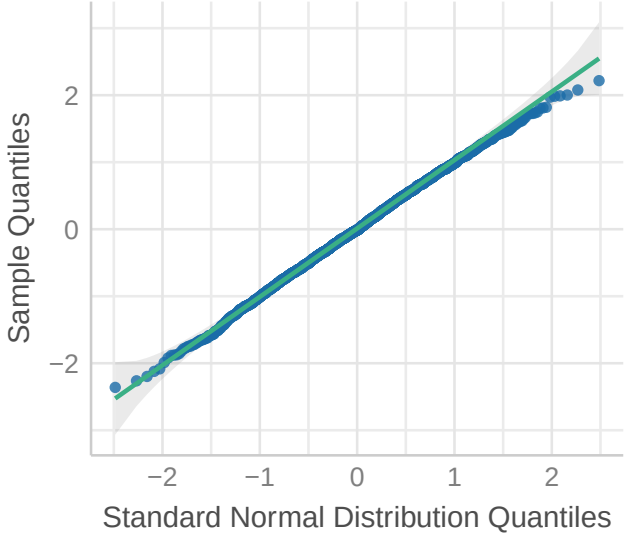
Collinearity

High collinearity (VIF) may inflate parameter uncertainty



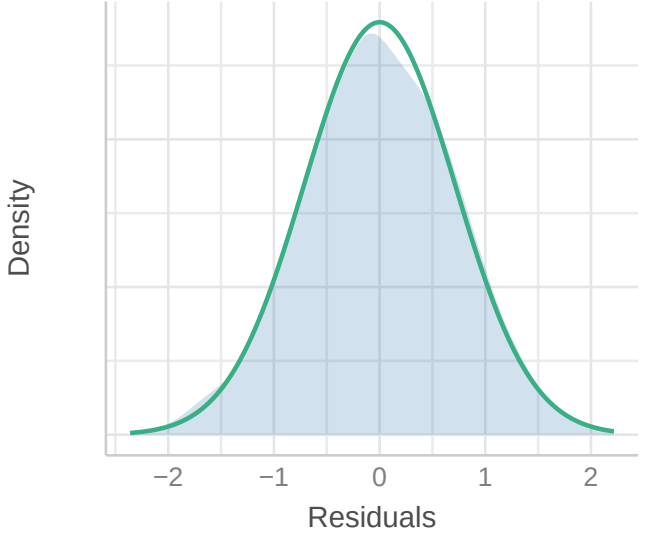
Normality of Residuals

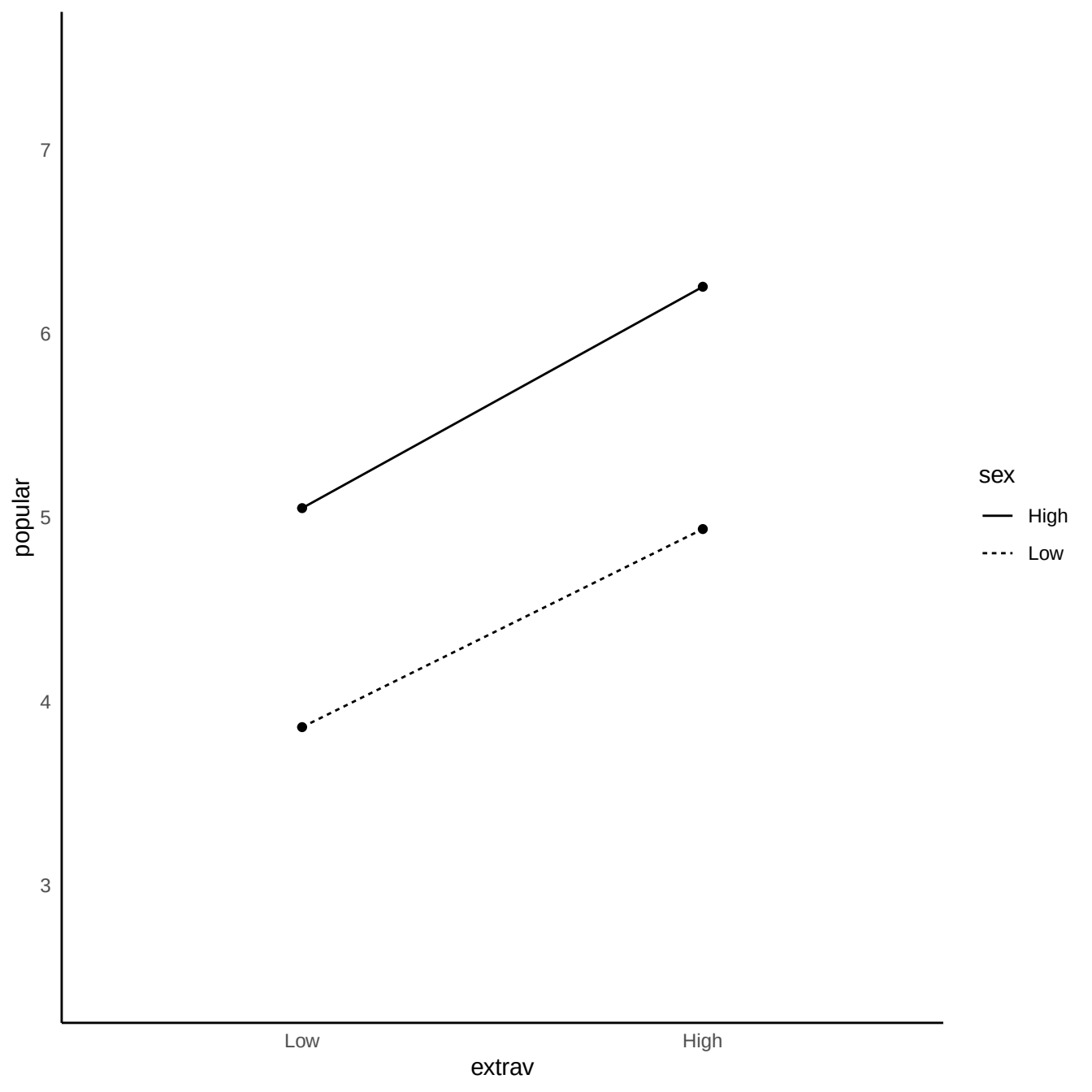
Dots should fall along the line



Normality of Residuals

Distribution should be close to the normal curve




7
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popular
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sex
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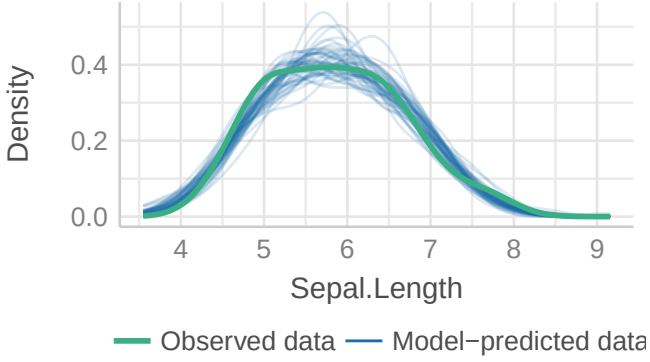
Low

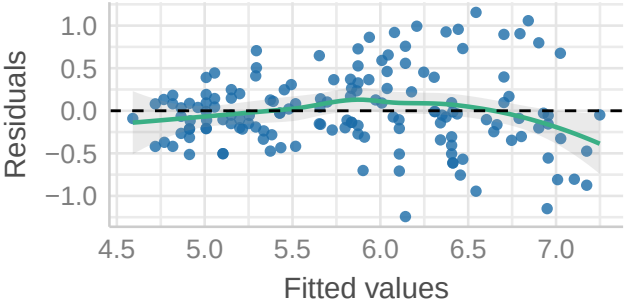
Posterior Predictive Check

Model−predicted lines should resemble observed data li



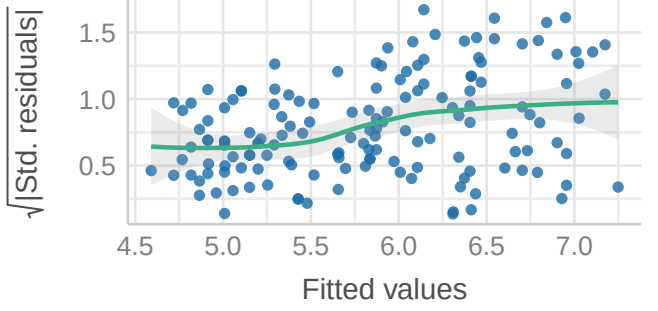
Linearity

Reference line should be flat and horizontal



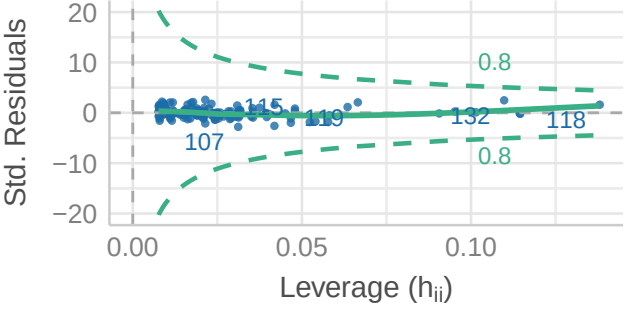
Homogeneity of Variance

Reference line should be flat and horizontal



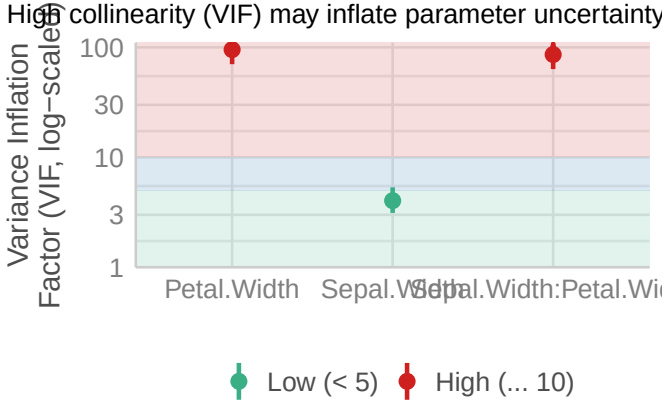
Influential Observations

Points should be inside the contour lines



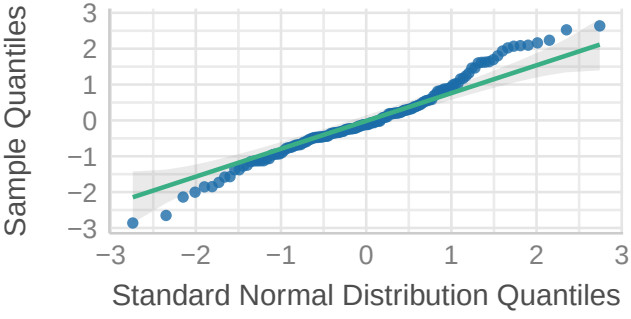
Collinearity

High collinearity (VIF) may inflate parameter uncertainty



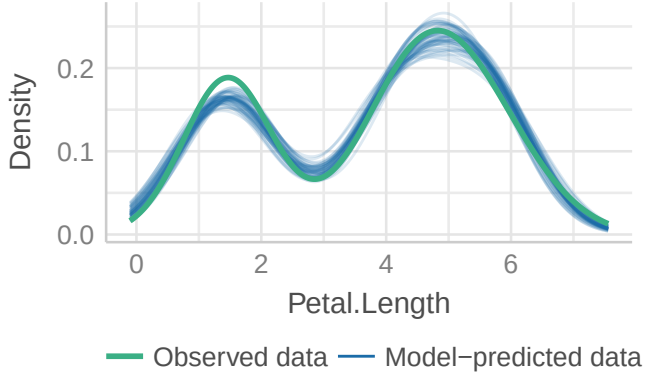
Normality of Residuals

Dots should fall along the line



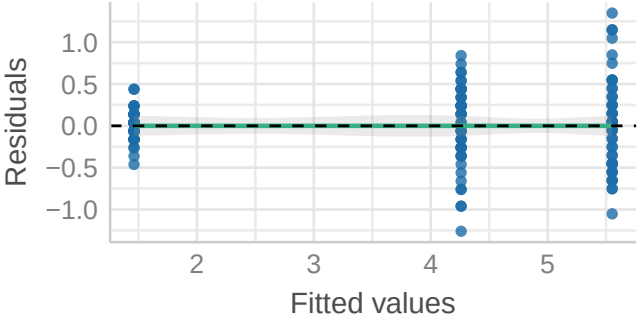
Posterior Predictive Check

Model−predicted lines should resemble observed data



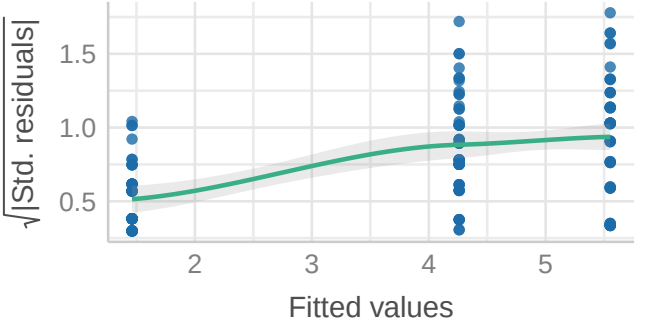
Linearity

Reference line should be flat and horizontal



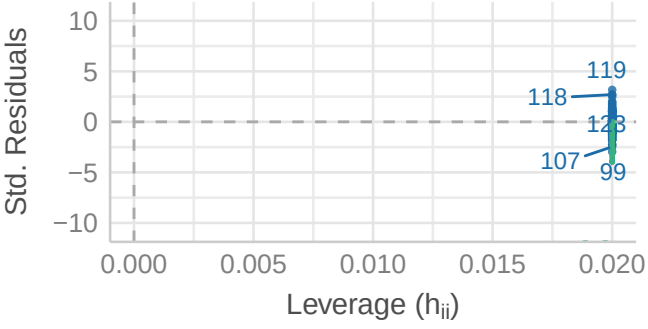
Homogeneity of Variance

Reference line should be flat and horizontal



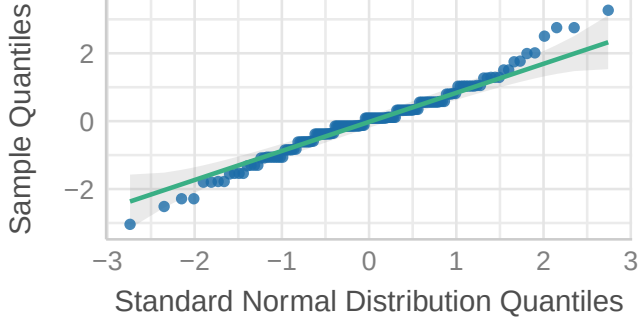
Influential Observations

Points should be inside the contour lines



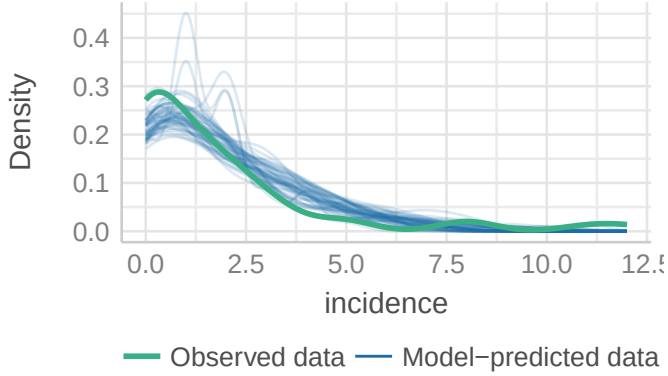
Normality of Residuals

Dots should fall along the line



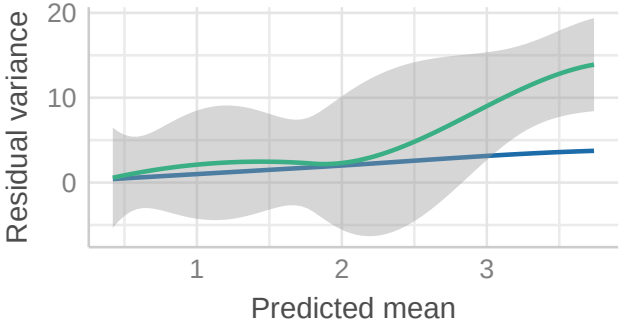
Posterior Predictive Check

Model−predicted lines should resemble observed data li



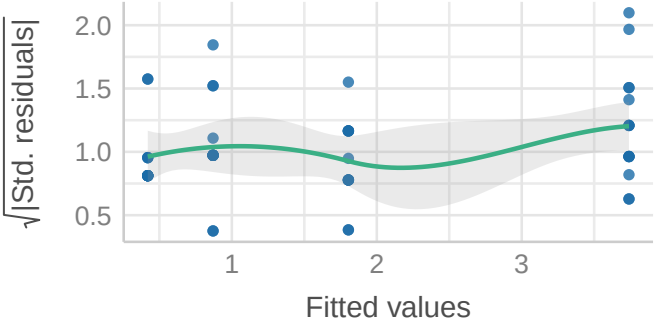
Overdispersion and zero−inflation

Observed residual variance (green) should follow pred



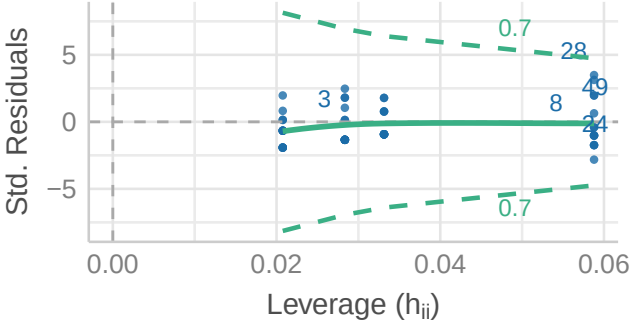
Homogeneity of Variance

Reference line should be flat and horizontal



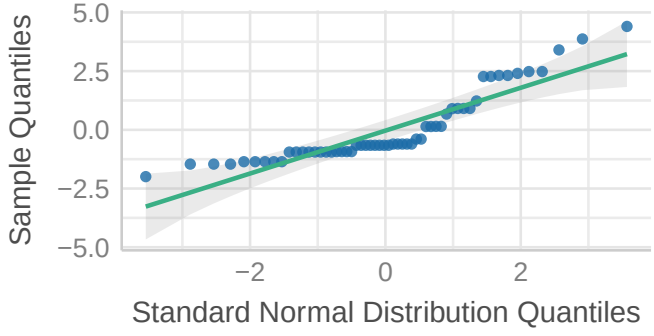
Influential Observations

Points should be inside the contour lines



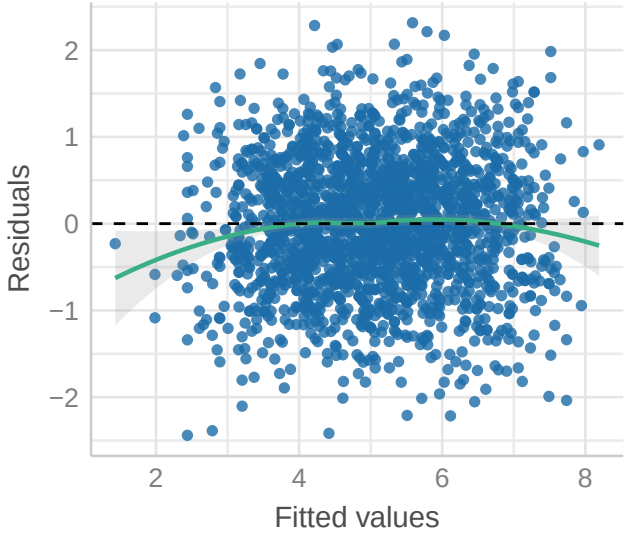
Normality of Residuals

Dots should fall along the line



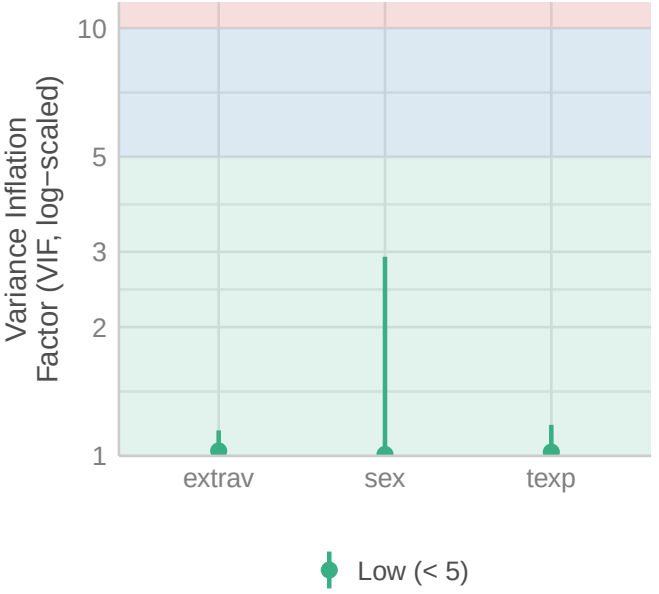
Linearity

Reference line should be flat and horizontal



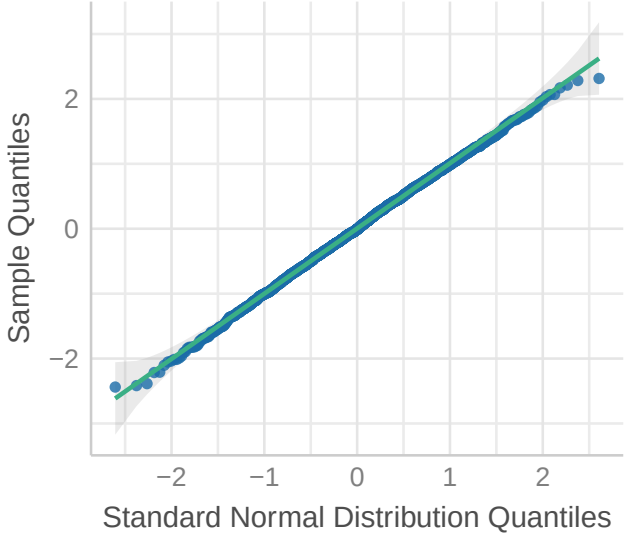
Collinearity

High collinearity (VIF) may inflate parameter uncertainty



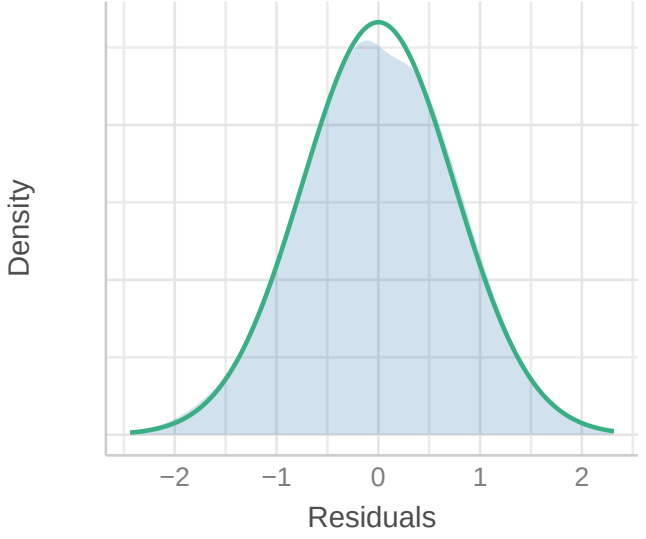
Normality of Residuals

Dots should fall along the line



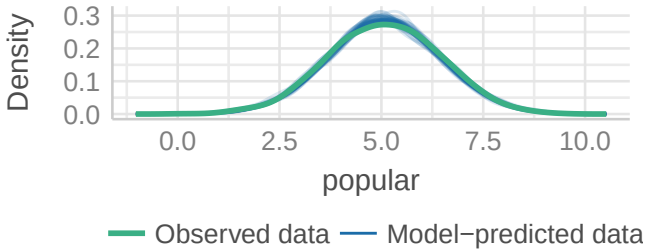
Normality of Residuals

Distribution should be close to the normal curve



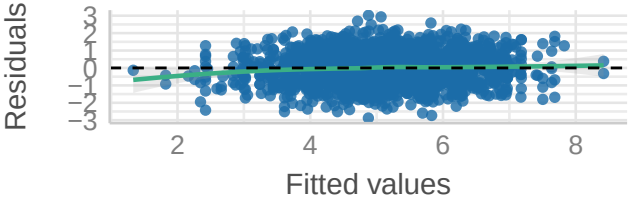
Posterior Predictive Check

Model−predicted lines should resemble observed data l



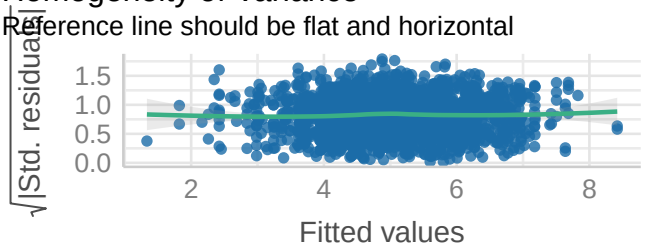
Linearity

Reference line should be flat and horizontal



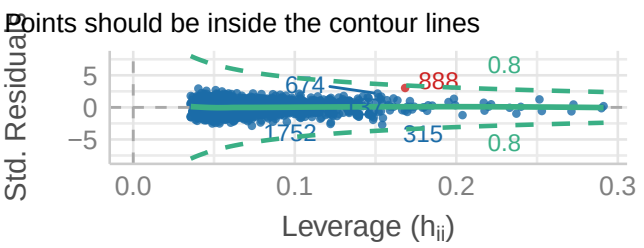
Homogeneity of Variance

Reference line should be flat and horizontal



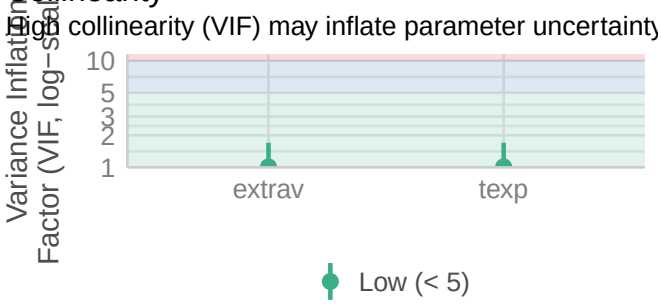
Influential Observations

Points should be inside the contour lines



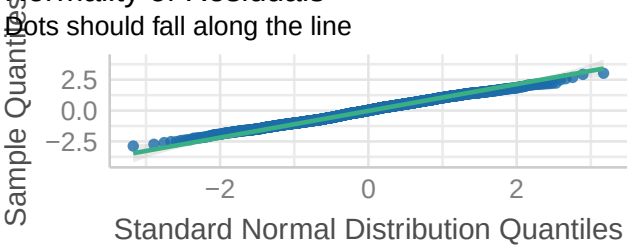
Collinearity

High collinearity (VIF) may inflate parameter uncertainty



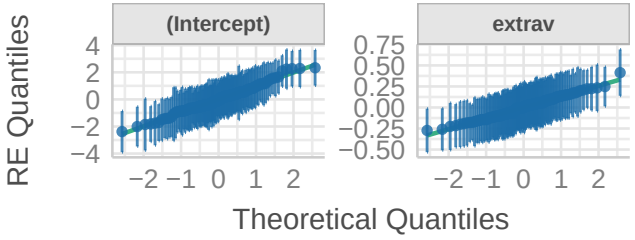
Normality of Residuals

Dots should fall along the line



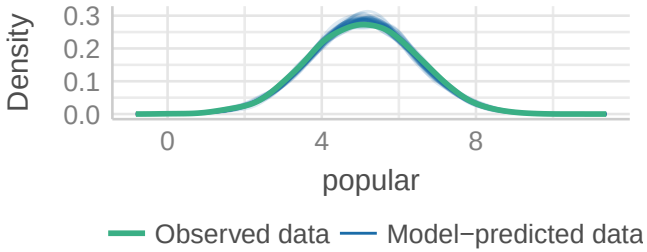
Normality of Random Effects (class)

Dots should be plotted along the line



Posterior Predictive Check

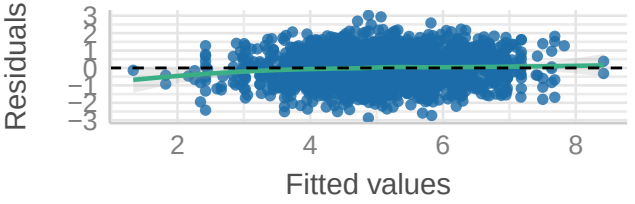
Model−predicted lines should resemble observed data l



Observed data Model−predicted data

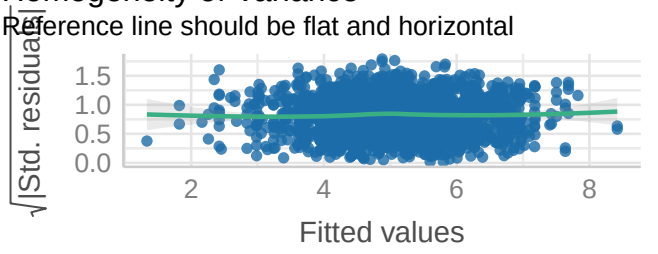
Linearity

Reference line should be flat and horizontal



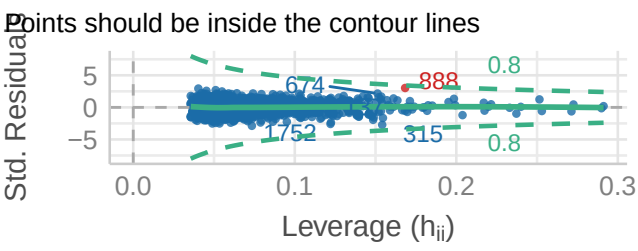
Homogeneity of Variance

Reference line should be flat and horizontal



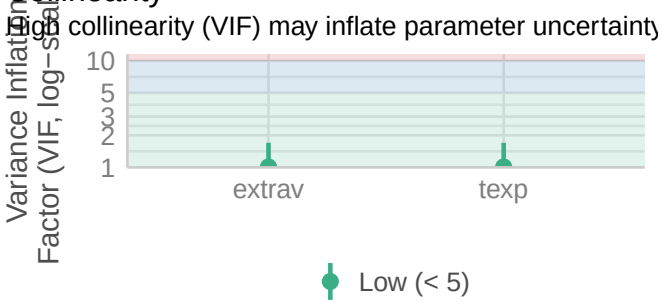
Influential Observations

Points should be inside the contour lines



Collinearity

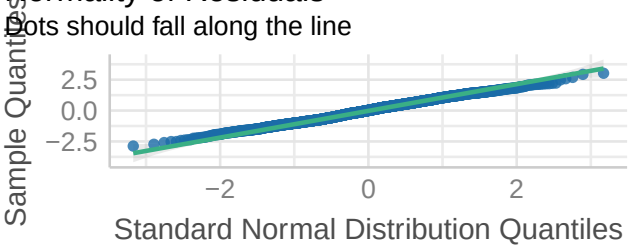
High collinearity (VIF) may inflate parameter uncertainty



Low (< 5)

Normality of Residuals

Dots should fall along the line



Normality of Random Effects (class)

Dots should be plotted along the line