Results

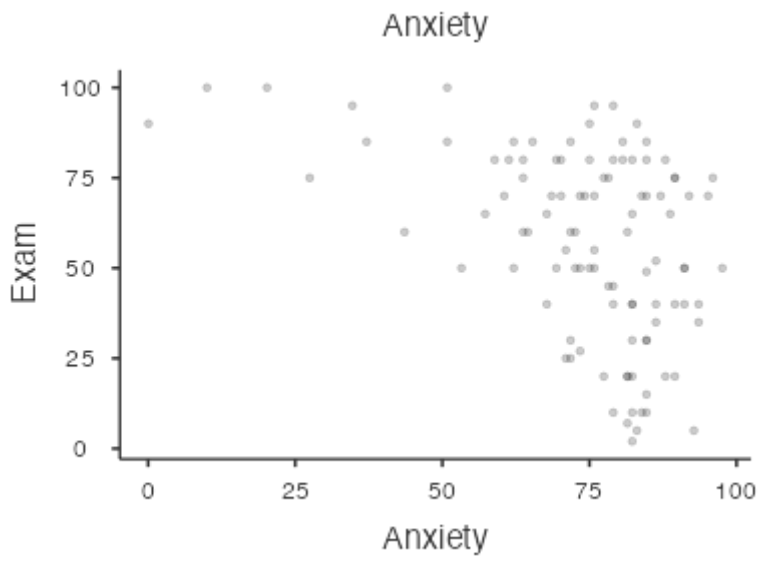
Relationships, Prediction, and Group Comparisons

You have entered a numeric variable for Variable 1 / Dependent Variable and a numeric variable for Variable 2 / Independent Variables. Hence, the Pearson correlation coefficient, which is a measure for the strength of the linear relationship between two variables, seems to be a good option for you! In order to run this analysis in jamovi, go to: Regression > Correlation Matrix

- Drop your two variables in the white box at the right
- Under Correlation Coefficients, select Pearson (selected by default)
- Under Hypothesis, select your alternative hypothesis

Alternatively, you could perform a linear regression analysis. The test outcomes of both methods will be equivalent. Click on the links to learn more about these methods!

Scatter Plots of Bivariate Relationships - Dependent/Independent Variables



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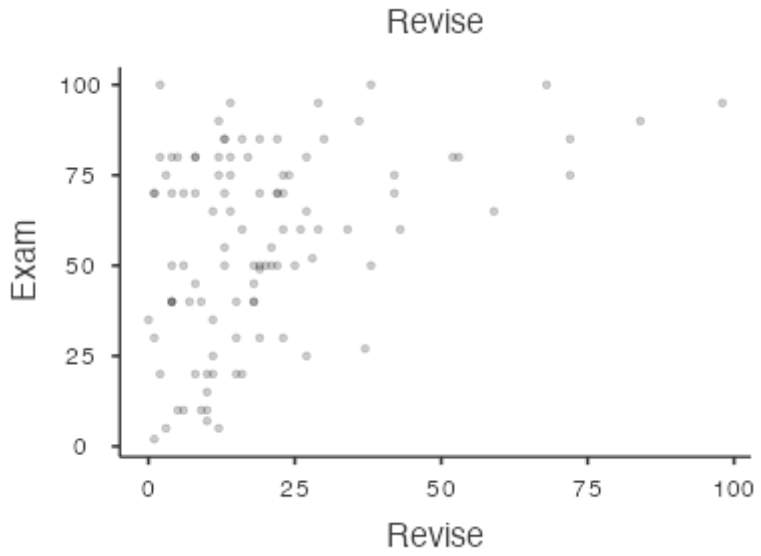

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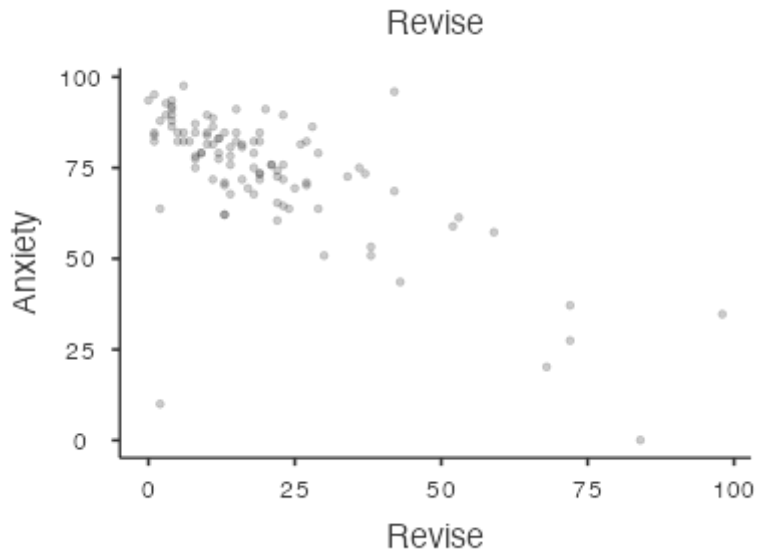
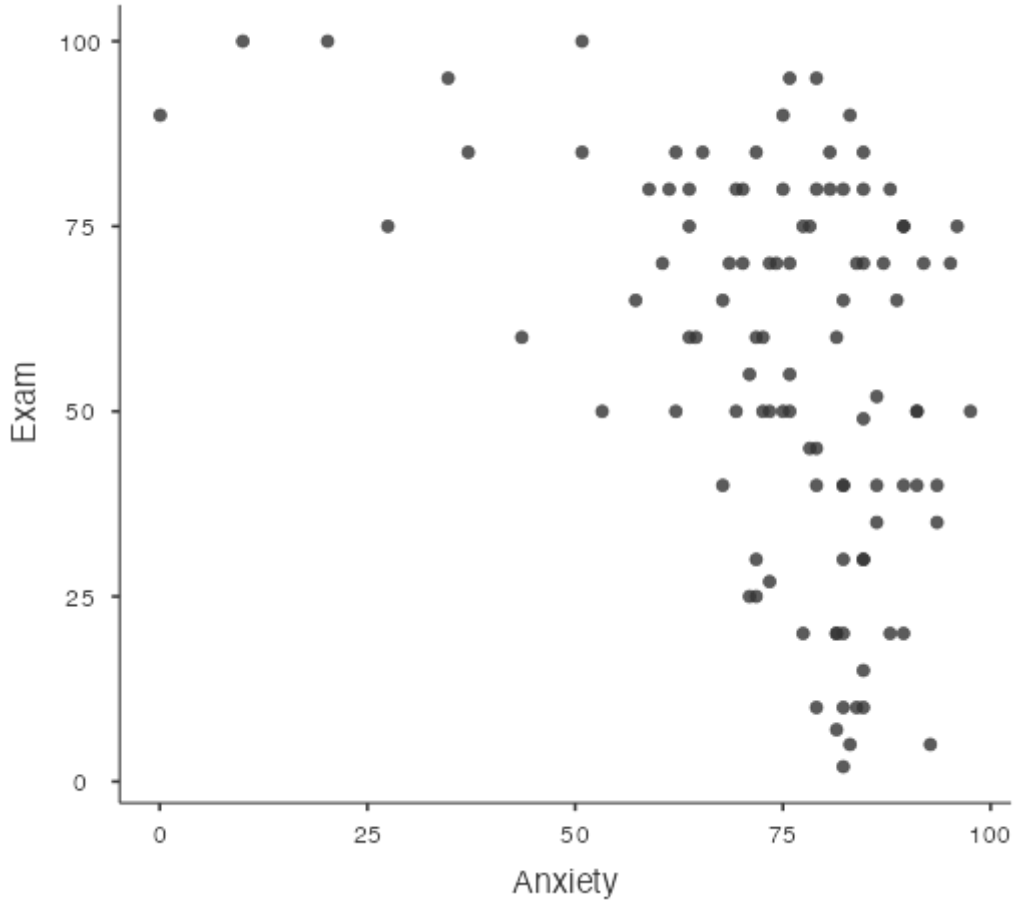


Scatterplot



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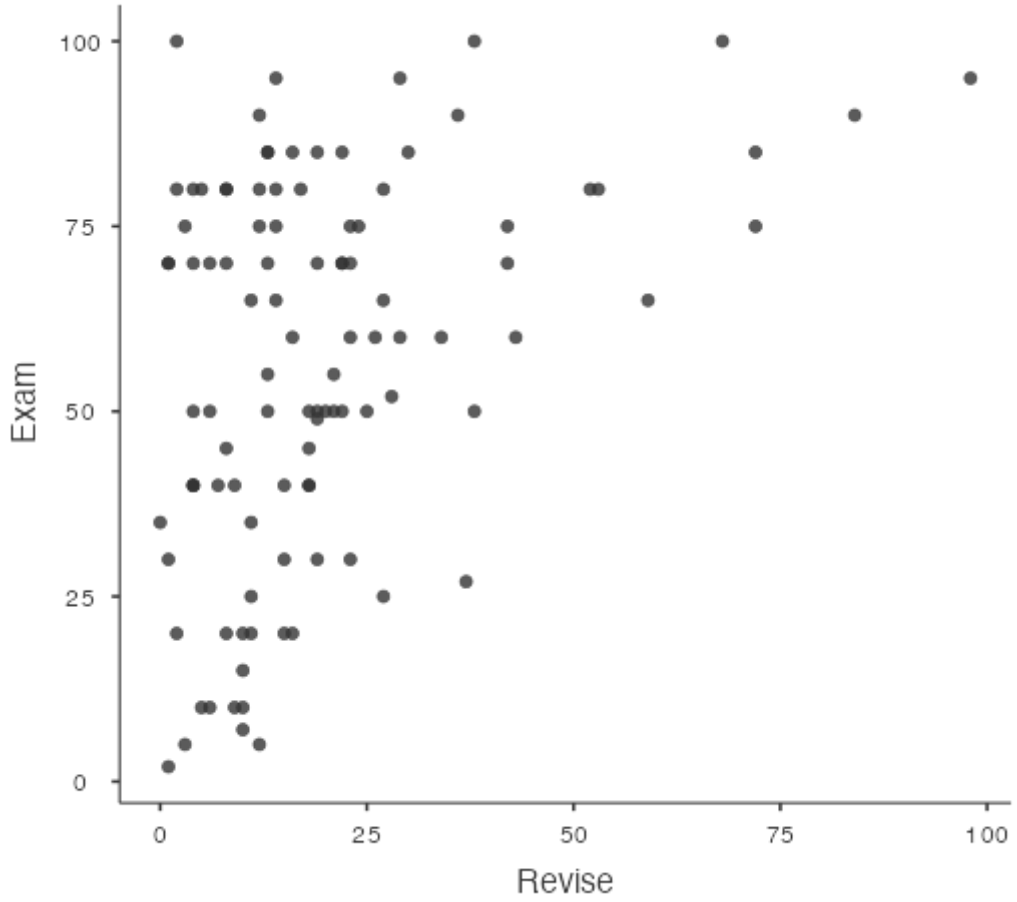

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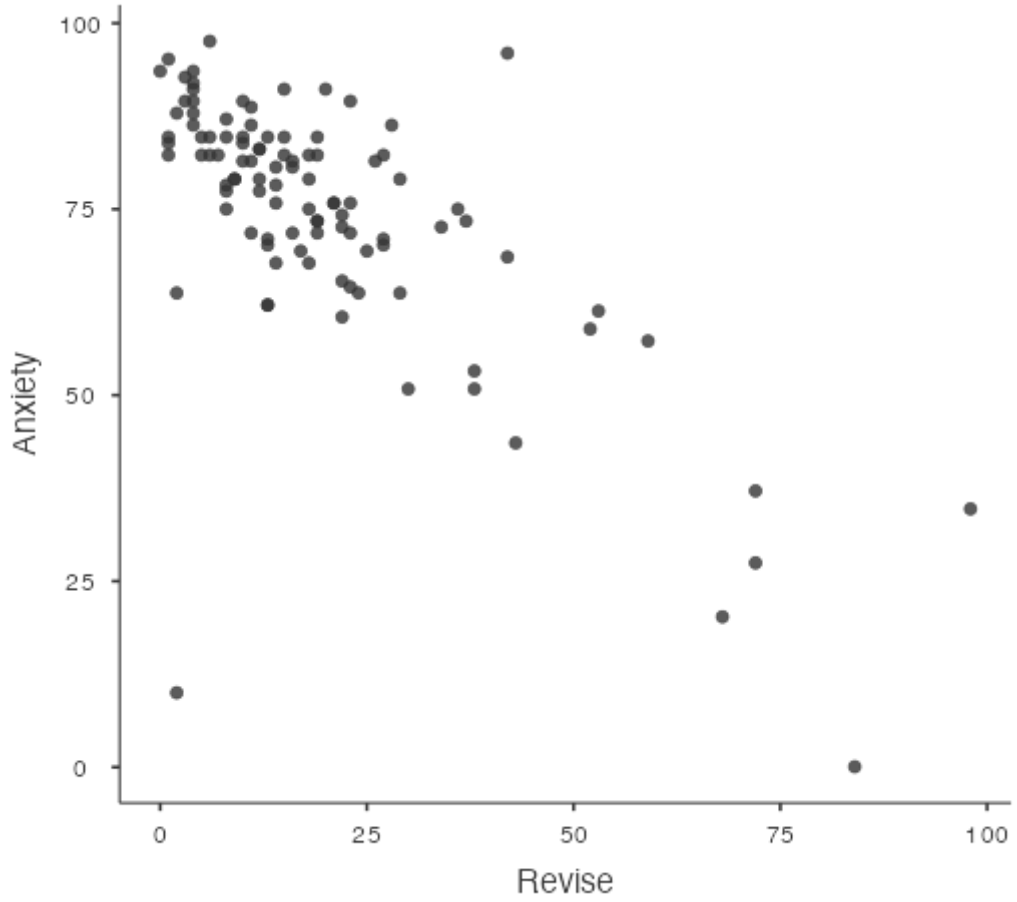


Correlation Matrix

Correlation Matrix

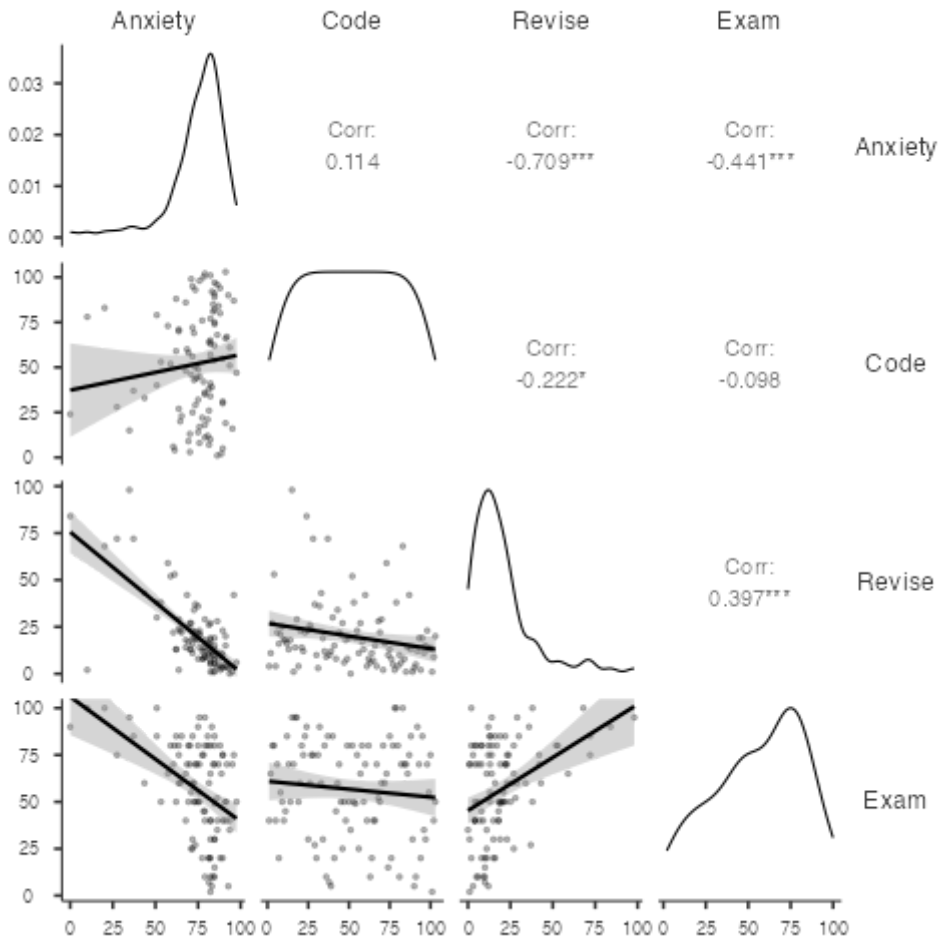
Correlation Matrix

Correlation Matrix

		Anxiety	Code	Revise	Exam
Anxiety	**Pearson's r**	—			
	df	—			
	p-value	—			
	95% CI Upper	—			
	95% CI Lower	—			
	N	—			
Code	**Pearson's r**	0.114	—		
	df	101	—		
	p-value	0.253	—		
	95% CI Upper	0.300	—		
	95% CI Lower	-0.082	—		
	N	103	—		
Revise	**Pearson's r**	-0.709***	-0.222*	—	
	df	101	101	—	
	p-value	<.001	0.024	—	
	95% CI Upper	-0.598	-0.030	—	
	95% CI Lower	-0.794	-0.398	—	
	N	103	103	—	
Exam	**Pearson's r**	-0.441***	-0.098	0.397***	—
	df	101	101	101	—
	p-value	<.001	0.326	<.001	—
	95% CI Upper	-0.271	0.098	0.548	—
	95% CI Lower	-0.585	-0.286	0.220	—
	N	103	103	103	—

Note. * p < .05, ** p < .01, *** p < .001

Plot



References

[1] The jamovi project (2024). *jamovi*. (Version 2.6) [Computer Software]. Retrieved from https://www.jamovi.org.

[2] R Core Team (2024). *R: A Language and environment for statistical computing*. (Version 4.4) [Computer software]. Retrieved from https://cran.r-project.org. (R packages retrieved from CRAN snapshot 2024-08-07).