

Results

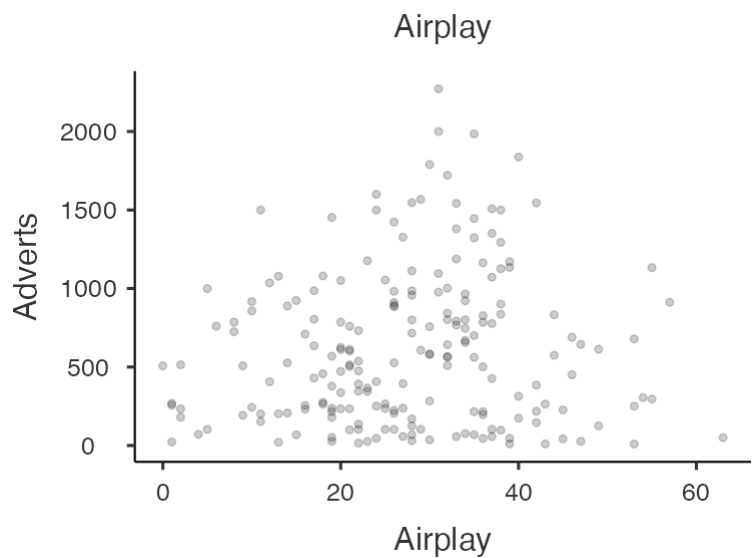
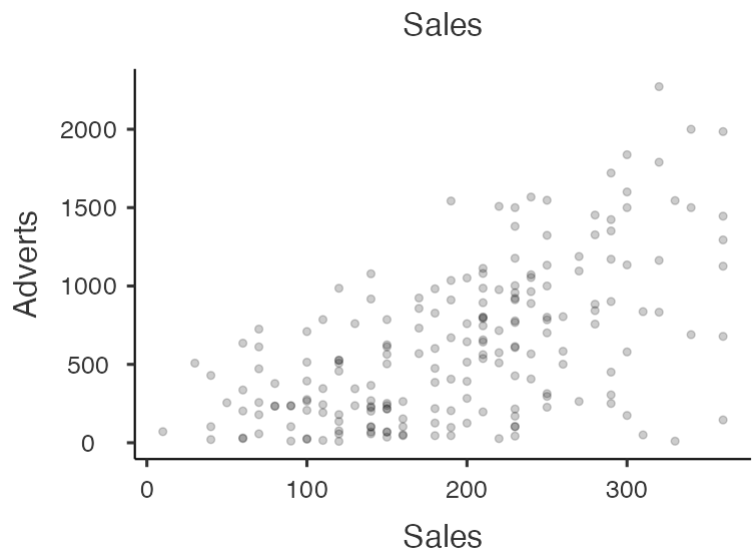
Relationships, Prediction, and Group Comparisons

You have entered a numeric dependent variable and several numeric independent variables. Hence, [linear regression analysis](#) seems to be a good option for you! In order to run this analysis in jamovi, go to: Regression > Linear Regression

- Drop your dependent variable in the box below Dependent Variable
- Drop your independent variables in the box below Covariates

Click on the link to learn more about this method!

Scatter Plots of Bivariate Relationships - Dependent/Independent Variables



Correlation Matrix

Correlation Matrix		
Adverts		
Adverts	Pearson's r	—
	p-value	—

Plot

Adverts

Adverts

Correlation Matrix

Correlation Matrix		
		Sales
Sales	Pearson's r	—
	p-value	—

Linear Regression

Model Fit Measures							
Model	R	R²	Adjusted R²	Overall Model Test			
				F	df1	df2	p
1	0.578	0.335	0.331	99.6	1	198	< .001
2	0.815	0.665	0.660	129.5	3	196	< .001

Model Comparisons

Comparison		ΔR^2	F	df1	df2	p
Model	Model					
1	- 2	0.330	96.4	2	196	< .001

Model Specific ResultsModel 1Model 2

Omnibus ANOVA Test

	Sum of Squares	df	Mean Square	F	p
Adverts	433688	1	433688	99.6	< .001
Residuals	862264	198	4355		

Note. Type 3 sum of squares

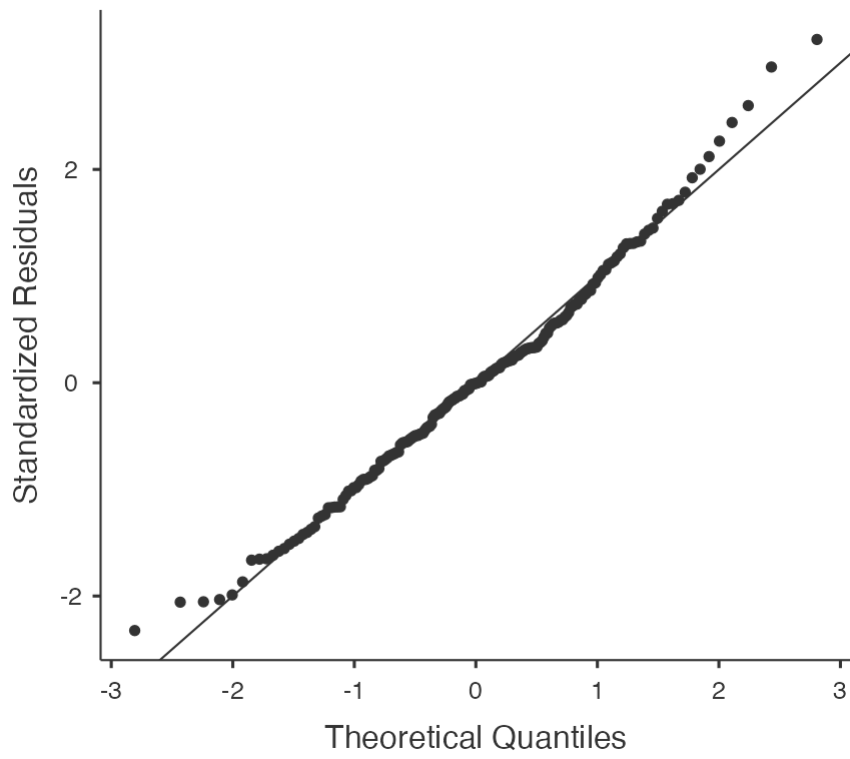
[3]

Model Coefficients - Sales

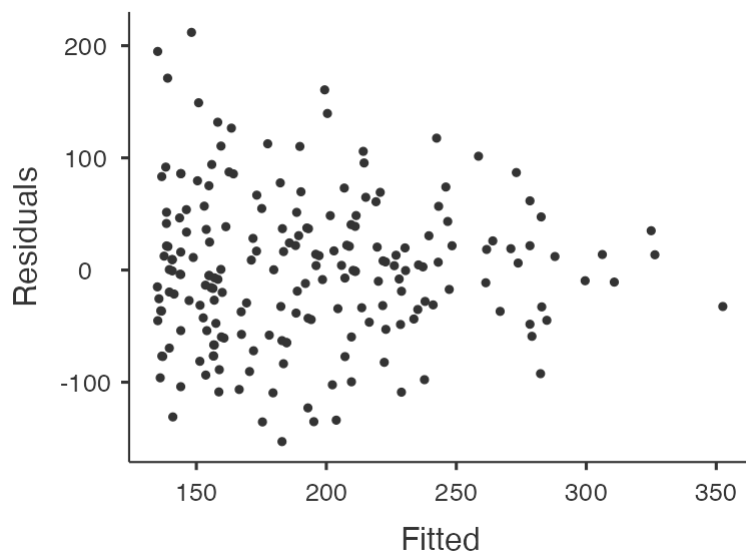
Predictor	Estimate	SE	95% Confidence Interval		t	p	Stand. Estimate	95% Confidence Interval	
			Lower	Upper				Lower	Upper
Intercept	134.1399	7.53657	119.2777	149.002	17.80	< .001			
Adverts	0.0961	0.00963	0.0771	0.115	9.98	< .001	0.578	0.464	0.693

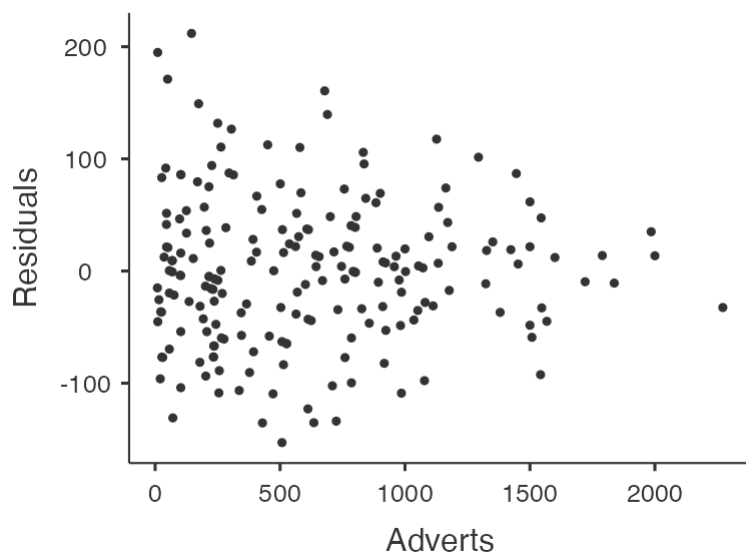
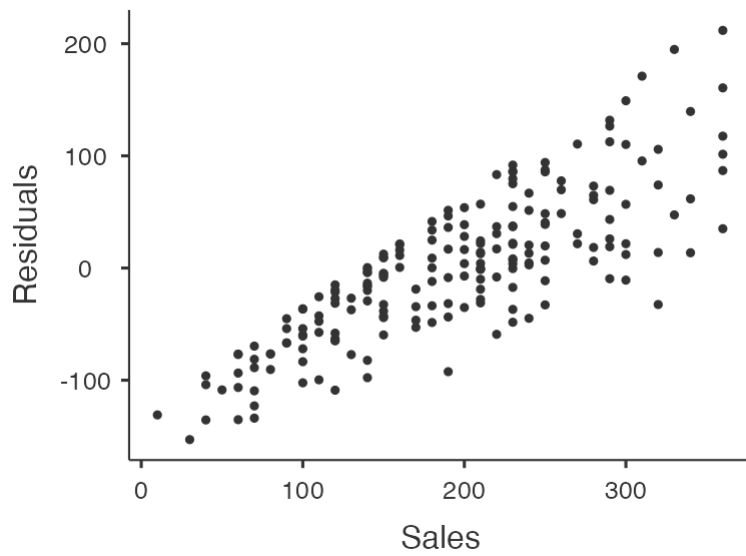
Assumption Checks

Q-Q Plot



Residuals Plots





Omnibus ANOVA Test

	Sum of Squares	df	Mean Square	F	p
Adverts	333332	1	333332	150.3	< .001
Airplay	325860	1	325860	147.0	< .001
Image	45853	1	45853	20.7	< .001
Residuals	434575	196	2217		

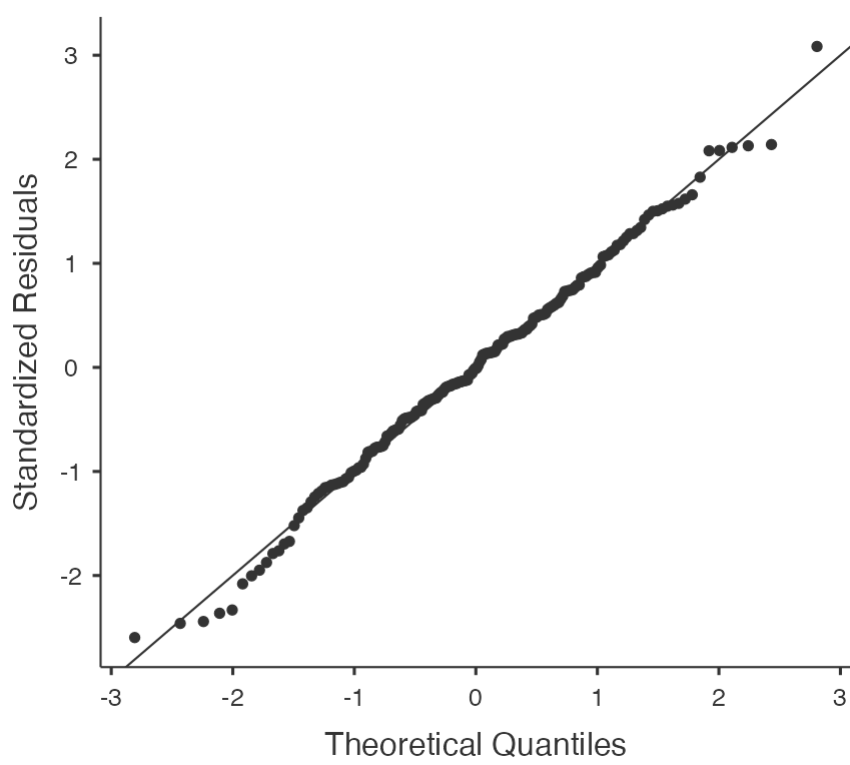
Note. Type 3 sum of squares

[3]

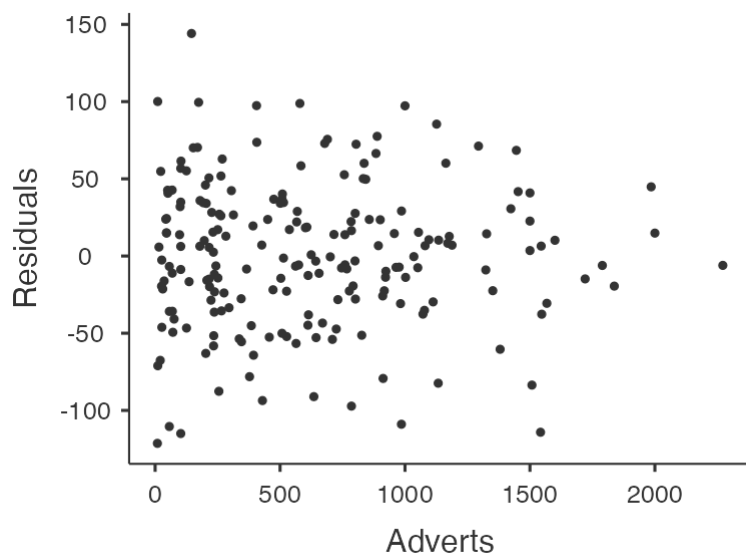
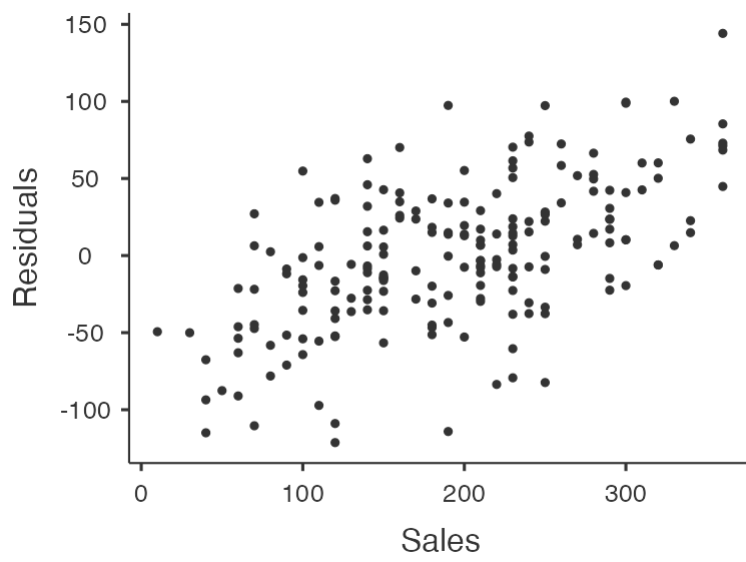
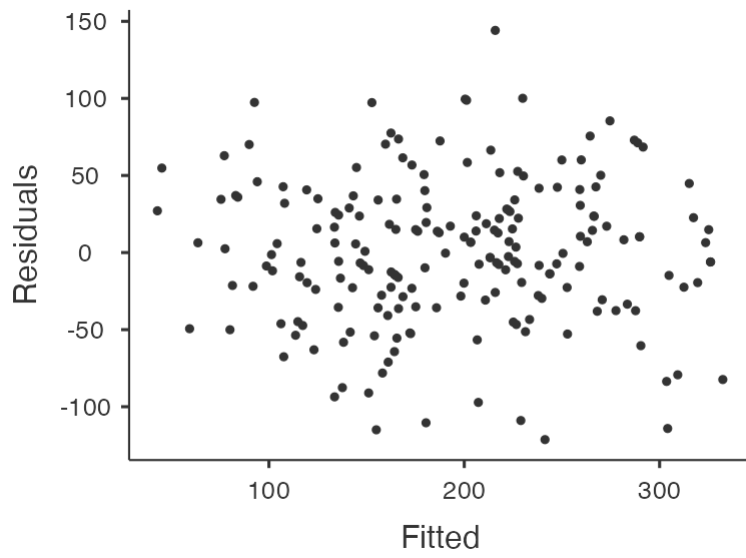
Predictor	Estimate	SE	95% Confidence Interval		t	p	Stand. Estimate	95% Confidence Interval	
			Lower	Upper				Lower	Upper
Intercept	-26.6130	17.35000	-60.8296	7.6037	-1.53	0.127			
Adverts	0.0849	0.00692	0.0712	0.0985	12.26	< .001	0.511	0.429	0.593
Airplay	3.3674	0.27777	2.8196	3.9152	12.12	< .001	0.512	0.429	0.595
Image	11.0863	2.43785	6.2786	15.8941	4.55	< .001	0.192	0.109	0.275

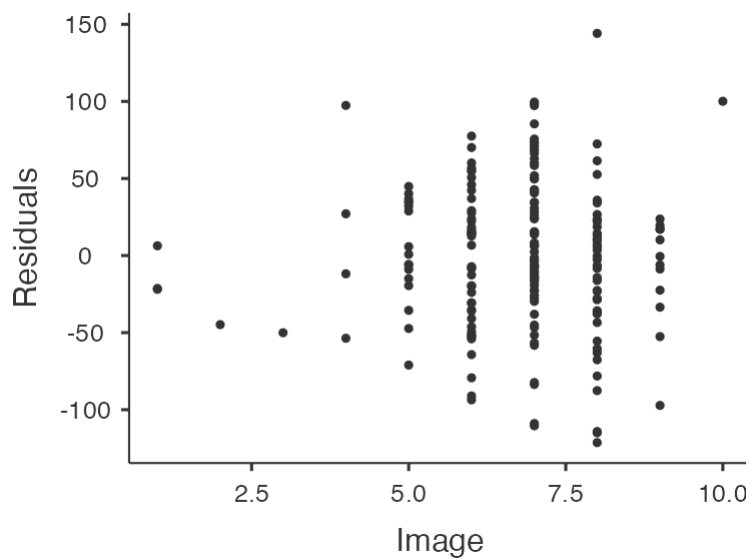
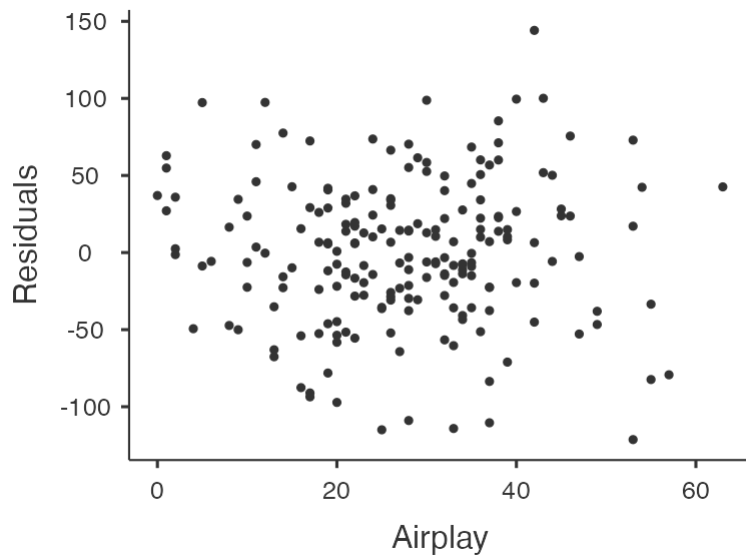
Assumption Checks

Q-Q Plot



Residuals Plots





References

- [1] The jamovi project (2021). *jamovi*. (Version 2.2) [Computer Software]. Retrieved from <https://www.jamovi.org>.
- [2] R Core Team (2021). *R: A Language and environment for statistical computing*. (Version 4.0) [Computer software]. Retrieved from <https://cran.r-project.org>. (R packages retrieved from MRAN snapshot 2021-04-01).
- [3] Fox, J., & Weisberg, S. (2020). *car: Companion to Applied Regression*. [R package]. Retrieved from <https://cran.r-project.org/package=car>.