

Results

Linear Regression

Model Fit Measures

Model	R	R ²	Overall Model Test			
			F	df1	df2	p
1	0.29207	0.08531	36.86937	3	1186	< .00001

Model Coefficients - log_VAR

Predictor	Estimate	SE	t	p
Intercept	-1.32294	0.04993	-26.49773	< .00001
EPS	-0.00428	0.00072	-5.96078	< .00001
SPS	-0.00267	0.00084	-3.18614	0.00148
GPS	0.00155	0.00063	2.45323	0.01430

Assumption Checks

Durbin–Watson Test for Autocorrelation

Autocorrelation	DW Statistic	p
0.01861	1.96257	0.53400

[3]

Collinearity Statistics

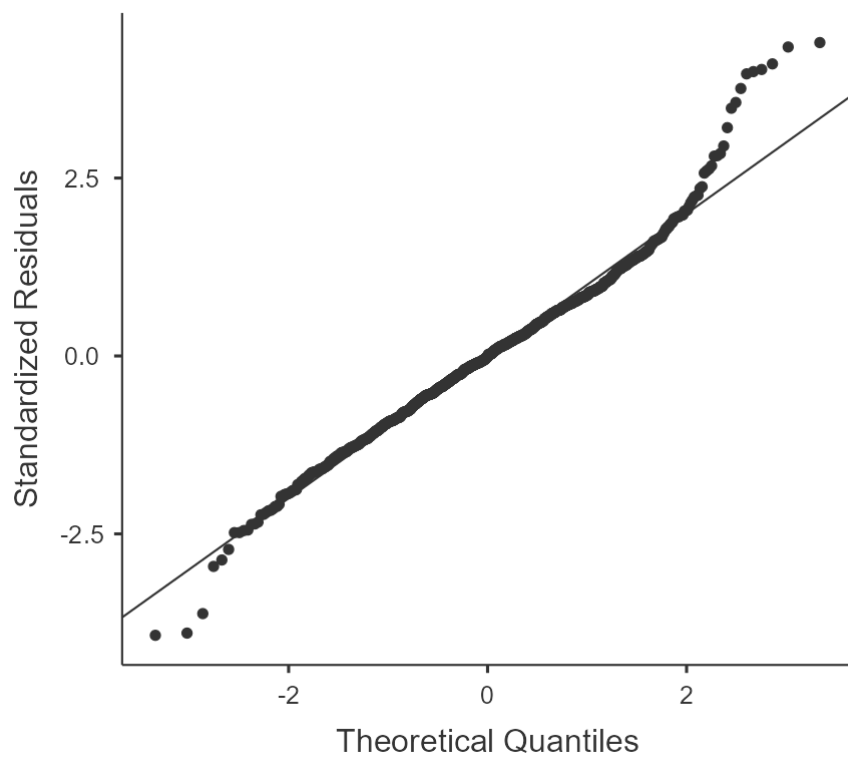
	VIF	Tolerance
EPS	1.74767	0.57219
SPS	1.76310	0.56718
GPS	1.12942	0.88541

[3]

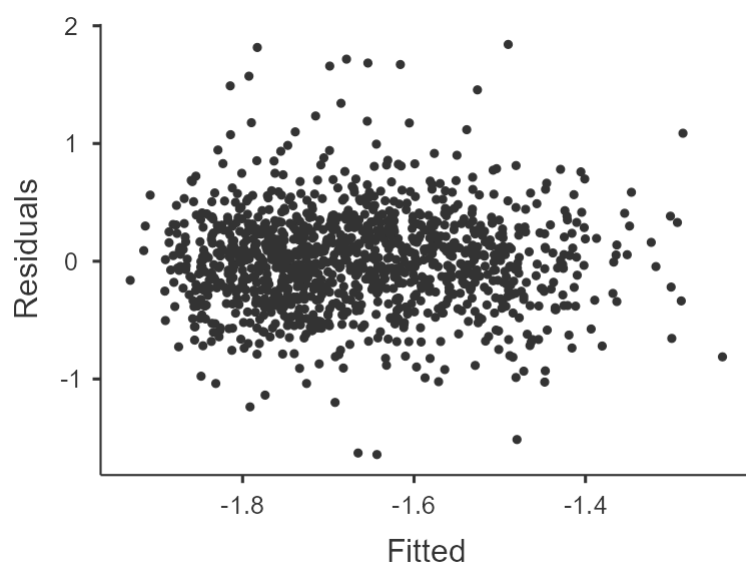
Normality Test (Shapiro-Wilk)

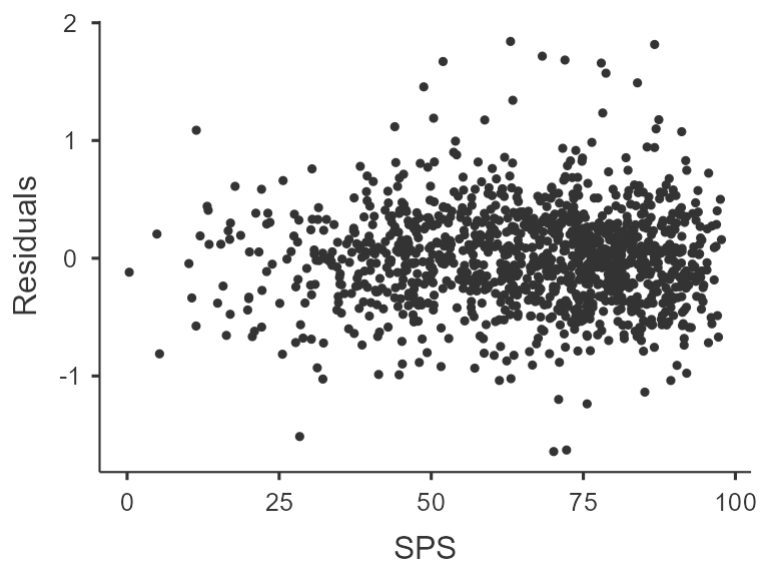
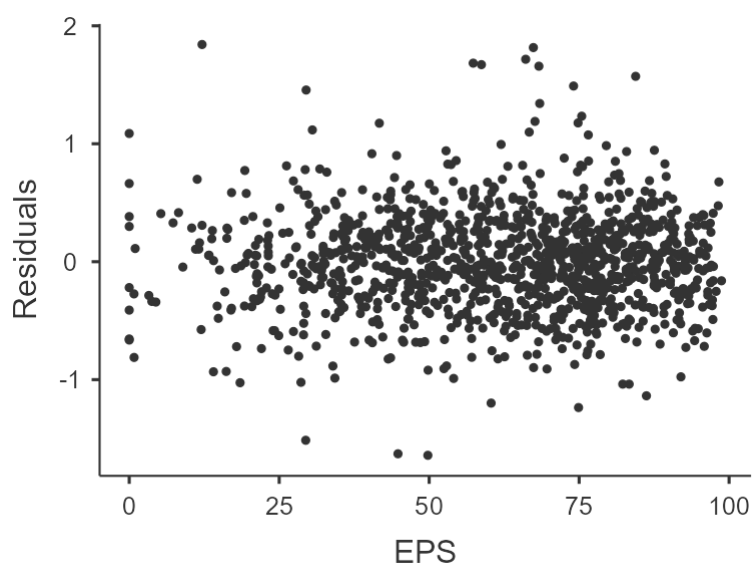
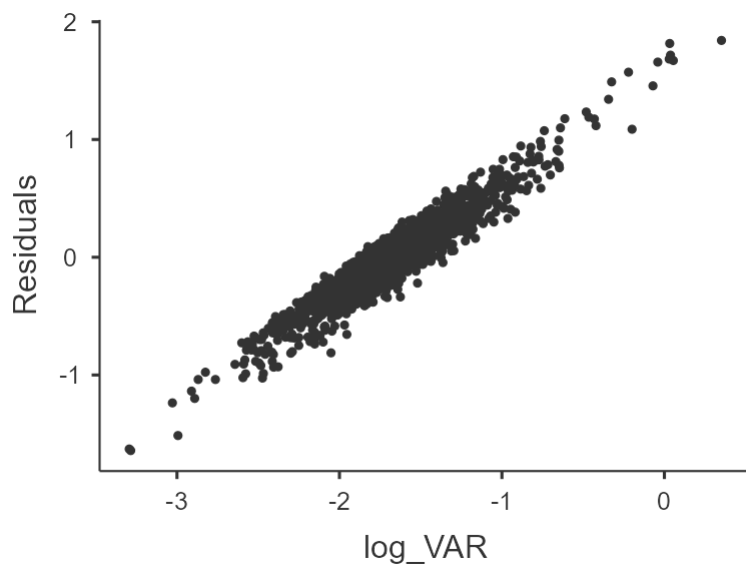
Statistic	p
0.98071	< .00001

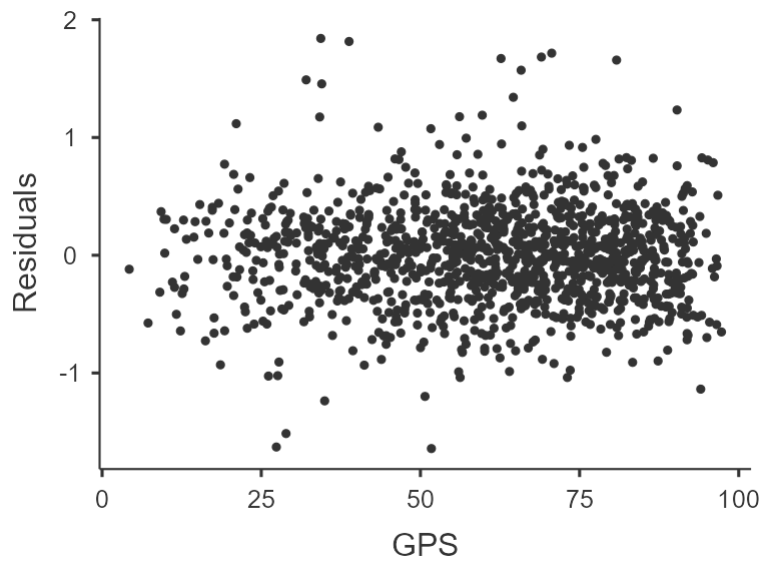
Q-Q Plot



Residuals Plots







References

- [1] The jamovi project (2022). *jamovi*. (Version 2.3) [Computer Software]. Retrieved from <https://www.jamovi.org>.
- [2] R Core Team (2021). *R: A Language and environment for statistical computing*. (Version 4.1) [Computer software]. Retrieved from <https://cran.r-project.org>. (R packages retrieved from MRAN snapshot 2022-01-01).
- [3] Fox, J., & Weisberg, S. (2020). *car: Companion to Applied Regression*. [R package]. Retrieved from <https://cran.r-project.org/package=car>.