

Results

Linear Regression

Model Fit Measures

Model	R	R ²	Overall Model Test			
			F	df1	df2	p
1	0.21201	0.04495	18.62187	3	1187	< .00001

Model Coefficients - log_VAR

Predictor	Estimate	SE	t	p
Intercept	-1.47845	0.04017	-36.80607	< .00001
EPS	-0.00217	0.00062	-3.48755	0.00051
SPS	-0.00171	0.00074	-2.29352	0.02199
GPS	0.00002	0.00057	0.02799	0.97767

Assumption Checks

Durbin–Watson Test for Autocorrelation

Autocorrelation	DW Statistic	p
0.02105	1.95773	0.49600

[3]

Collinearity Statistics

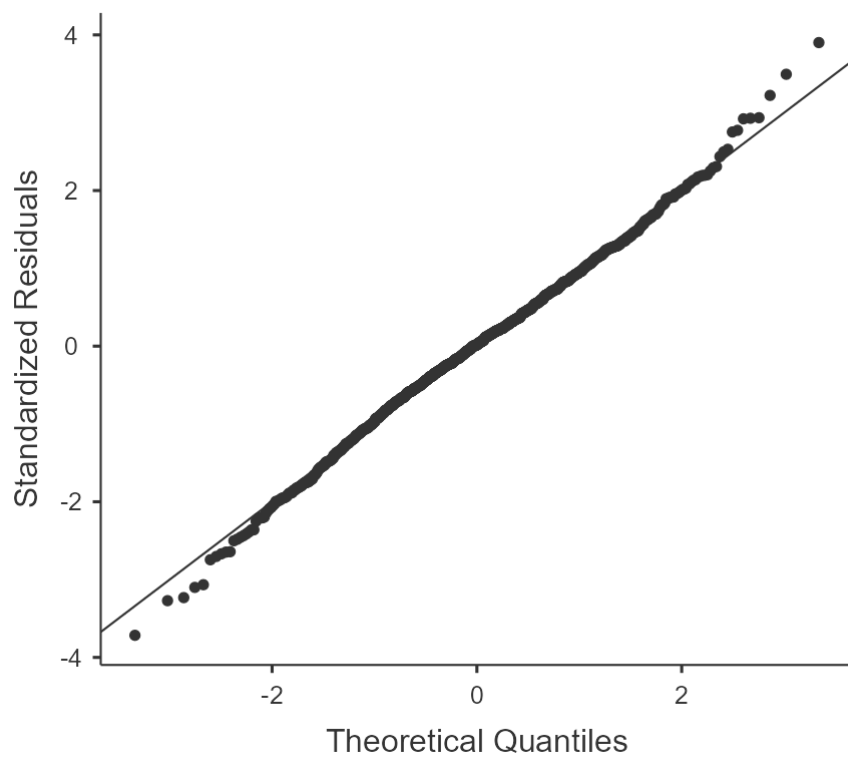
	VIF	Tolerance
EPS	1.95174	0.51236
SPS	1.99917	0.50021
GPS	1.21970	0.81987

[3]

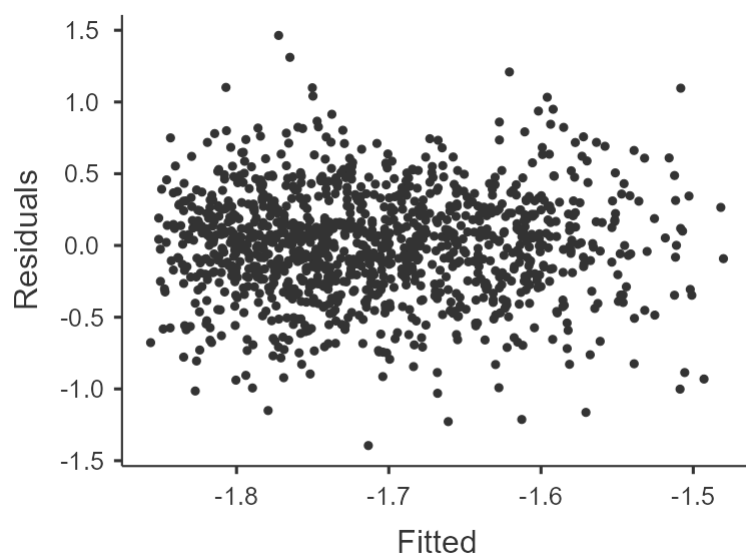
Normality Test (Shapiro-Wilk)

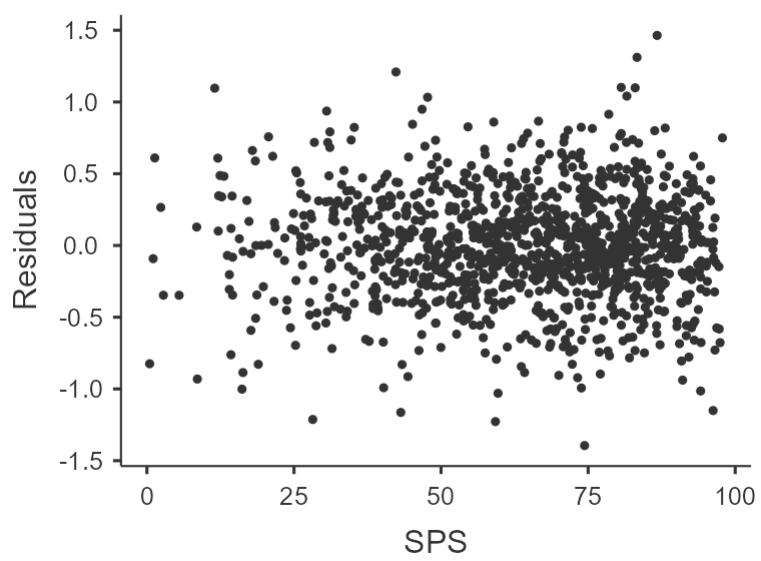
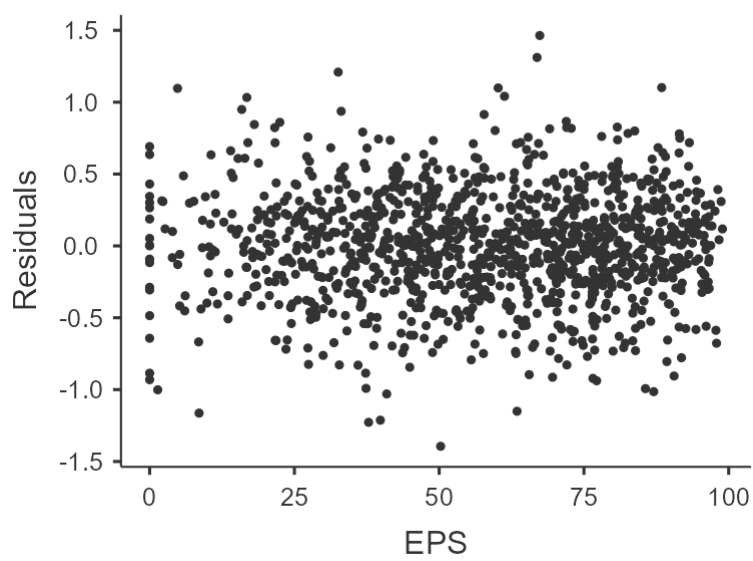
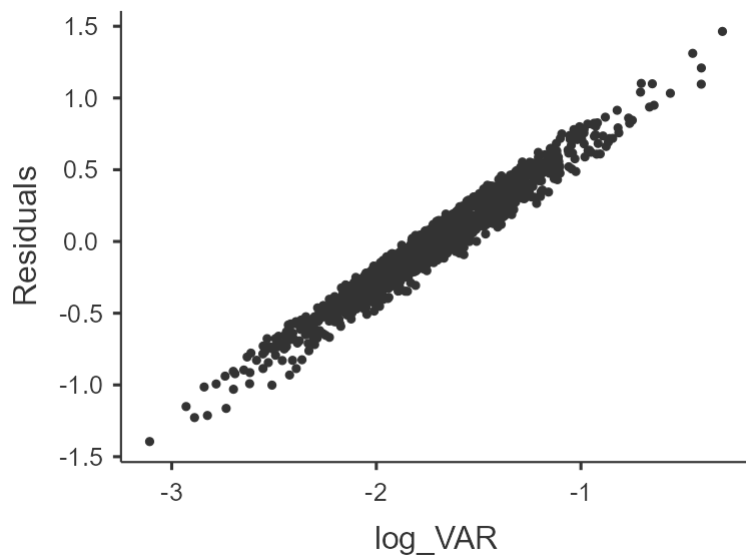
Statistic	p
0.99656	0.00993

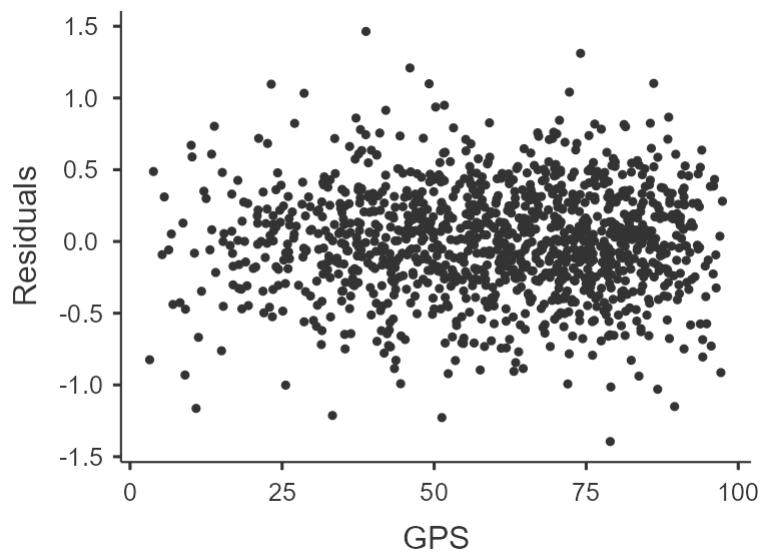
Q-Q Plot



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>.