

Results

Linear Regression

Model Fit Measures

Model	R	R ²	Overall Model Test			
			F	df1	df2	p
1	0.15850	0.02512	10.21277	3	1189	< .00001

Model Coefficients - log_VAR

Predictor	Estimate	SE	t	p
Intercept	-1.33657	0.03738	-35.75606	< .00001
EPS	-0.00195	0.00062	-3.14813	0.00168
SPS	-0.00105	0.00075	-1.40617	0.15993
GPS	0.00124	0.00058	2.15494	0.03137

Assumption Checks

Durbin–Watson Test for Autocorrelation

Autocorrelation	DW Statistic	p
-0.01741	2.03470	0.60200

[3]

Collinearity Statistics

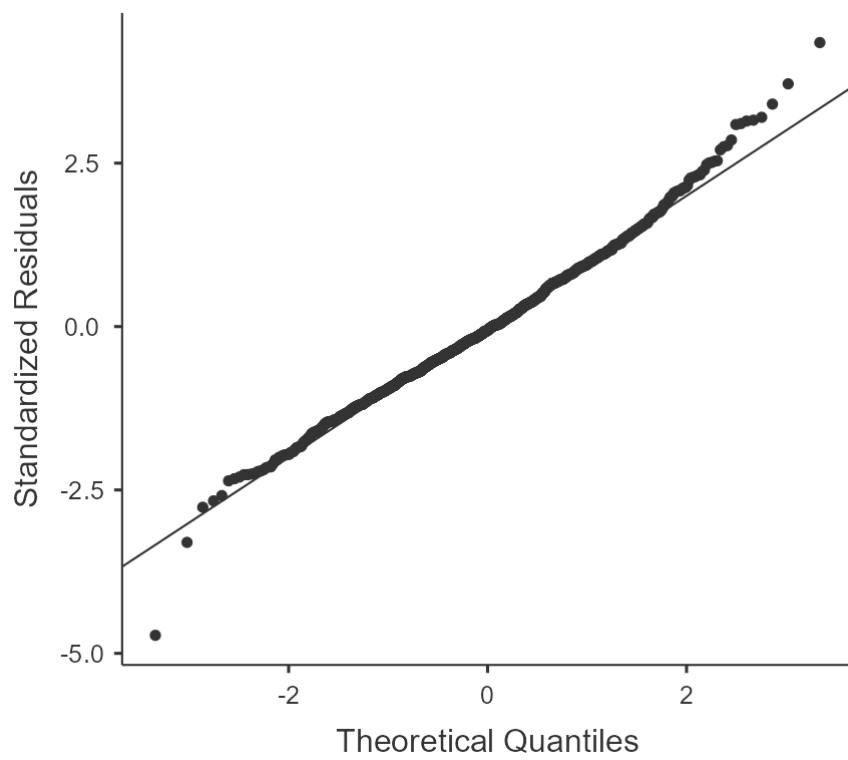
	VIF	Tolerance
EPS	2.09274	0.47784
SPS	2.13120	0.46922
GPS	1.26865	0.78824

[3]

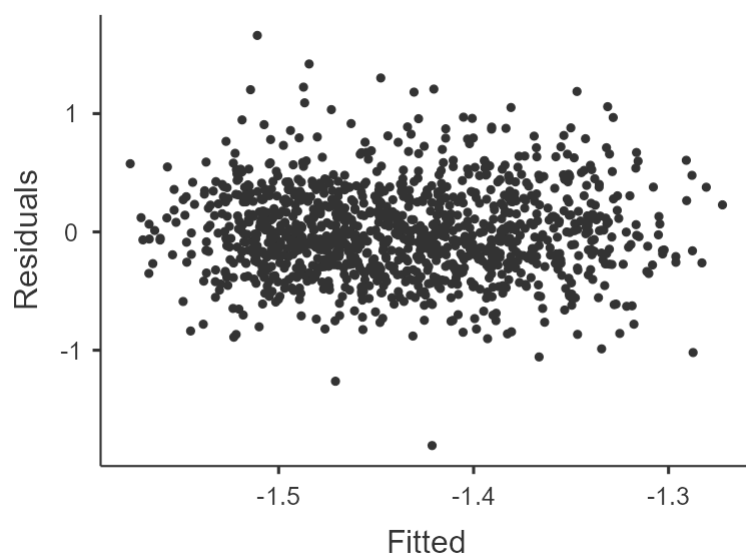
Normality Test (Shapiro-Wilk)

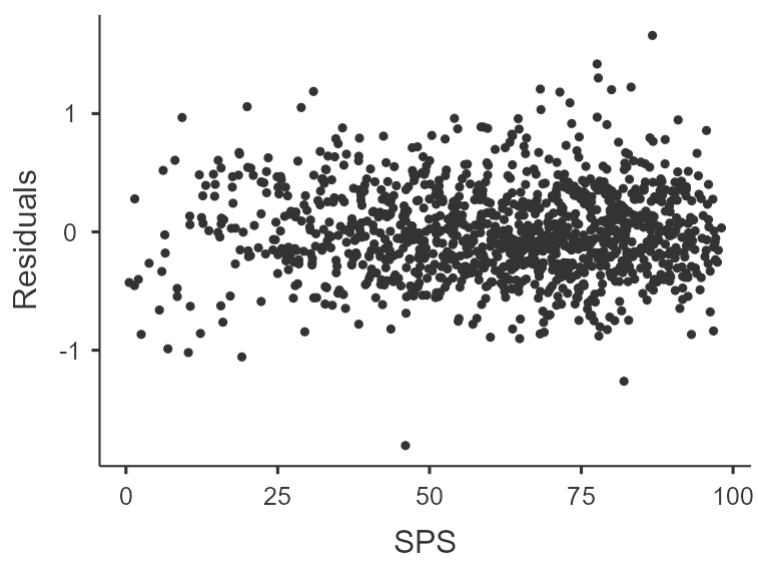
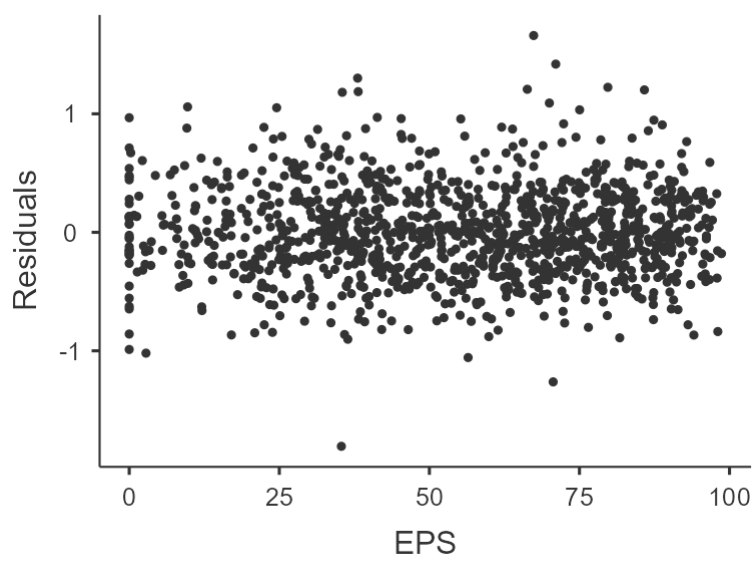
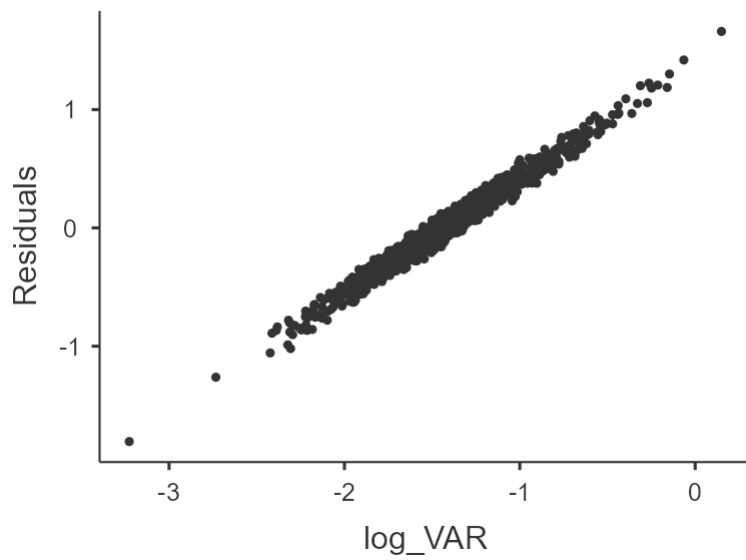
Statistic	p
0.99200	< .00001

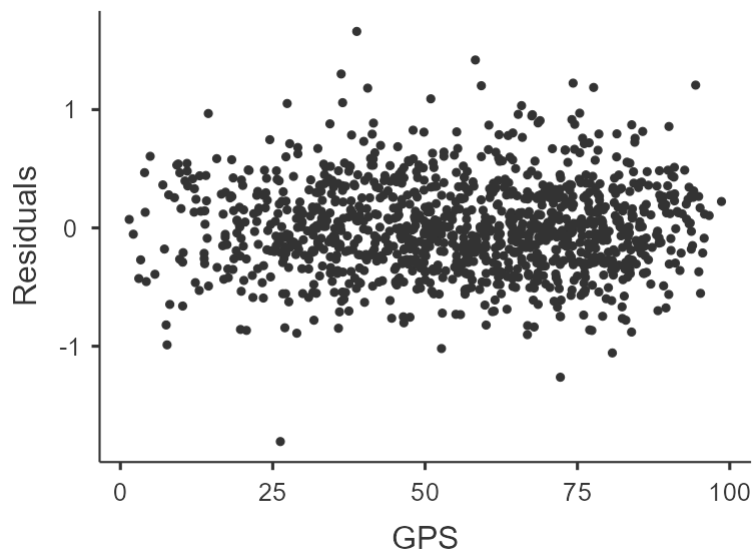
Q-Q Plot



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>.