Results

Linear Regression

Model Fit Measures

			Overall Model Test			
Model	**R**	**R^2**	**F**	**df1**	**df2**	**p**
1	0.09644	0.00930	3.71782	3	1188	0.01117

Model Coefficients - log_VAR

Predictor	**Estimate**	**SE**	**t**	**p**
Intercept	-0.62750	0.03284	-19.10793	< .00001
EPS	0.00056	0.00055	1.02318	0.30643
SPS	-0.00201	0.00066	-3.05480	0.00230
GPS	0.00080	0.00051	1.58414	0.11343

Assumption Checks

Durbin–Watson Test for Autocorrelation

Autocorrelation	**DW Statistic**	**p**
0.03138	1.93717	0.26600

[3]

Collinearity Statistics

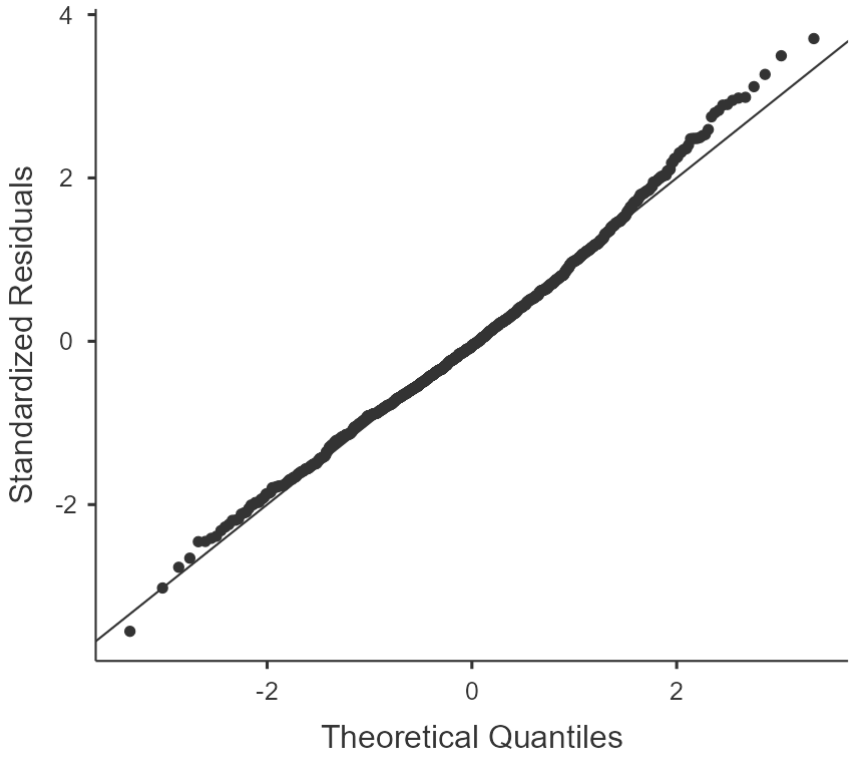
	VIF	**Tolerance**
EPS	2.09660	0.47696
SPS	2.12990	0.46951
GPS	1.26901	0.78801

[3]

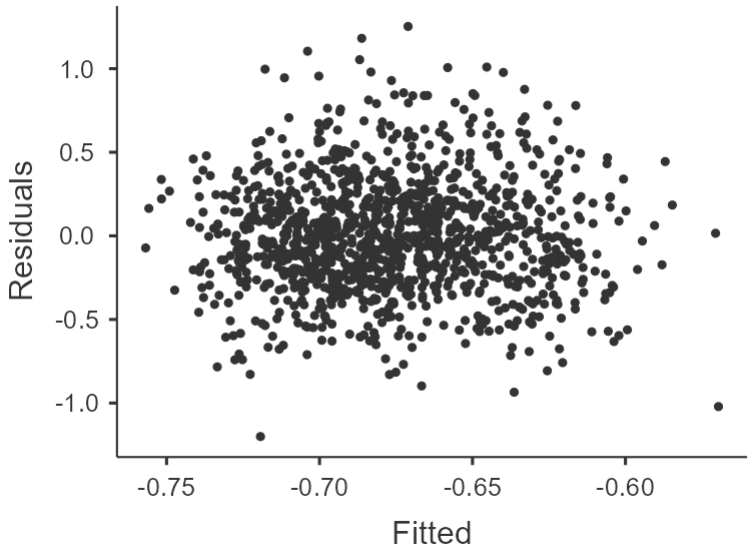
Normality Test (Shapiro-Wilk)

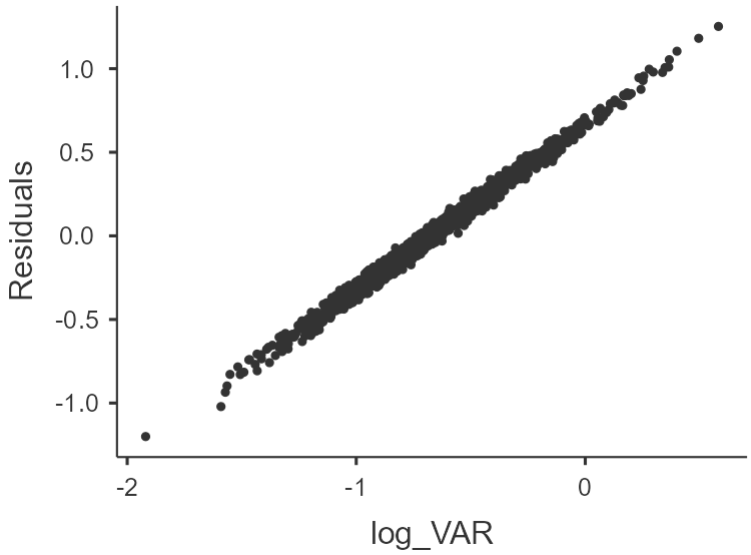
Statistic	**p**
0.99329	0.00003

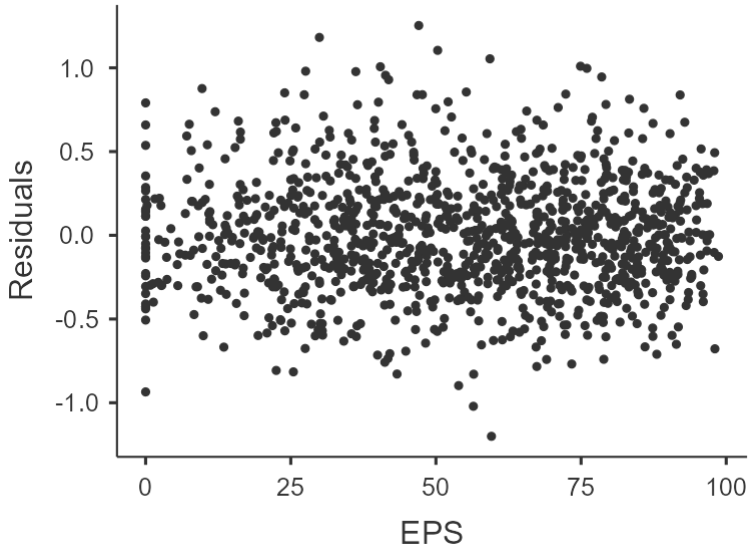
Q-Q Plot

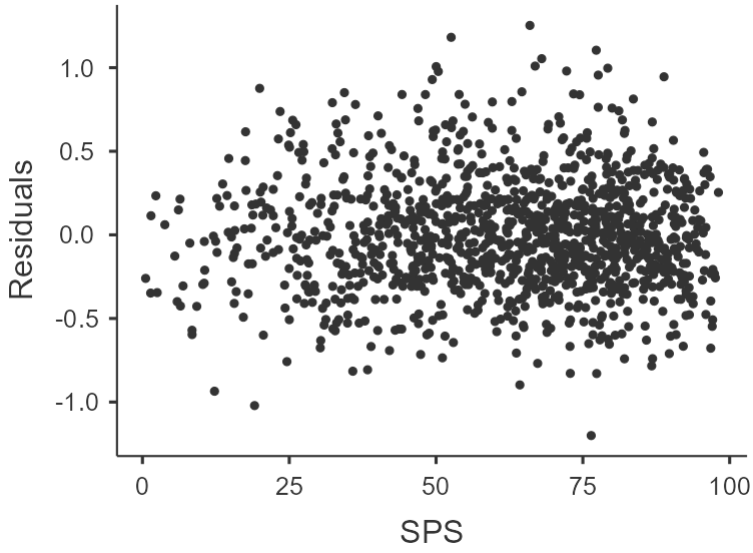


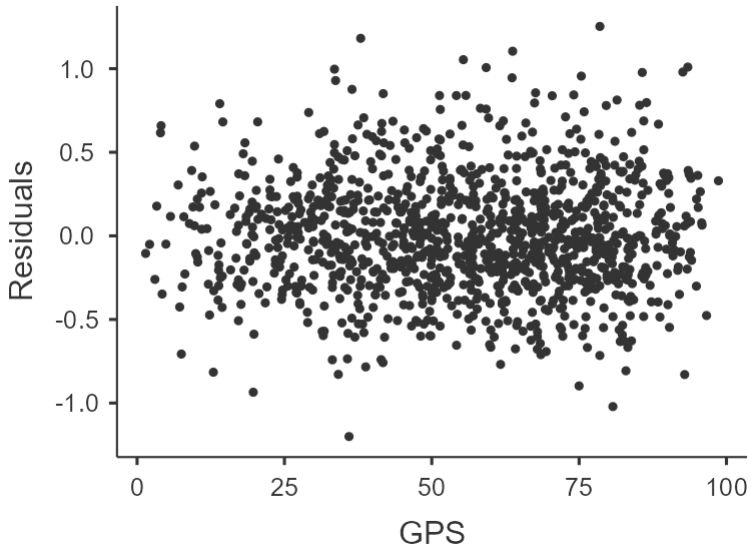
Residuals Plots




Residuals
1.0
0.5
0.0
-0.5
-1.0
-2
-1
0
log_VAR


Residuals
1.0
0.5
0.0
-0.5
-1.0
0
25
50
75
100
EPS


Residuals
1.0
0.5
0.0
-0.5
-1.0
0
25
50
75
100
SPS



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[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.