Results

Linear Regression

Model Fit Measures

			Overall Model Test			
Model	**R**	**R^2**	**F**	**df1**	**df2**	**p**
1	0.12453	0.01551	6.21729	3	1184	0.00034

Model Coefficients - log_VAR

Predictor	**Estimate**	**SE**	**t**	**p**
Intercept	-1.33527	0.03685	-36.23986	< .00001
EPS	-0.00088	0.00057	-1.53178	0.12584
SPS	-0.00145	0.00069	-2.11220	0.03488
GPS	0.00077	0.00053	1.45515	0.14589

Assumption Checks

Durbin–Watson Test for Autocorrelation

Autocorrelation	**DW Statistic**	**p**
-0.03637	2.07196	0.24400

[3]

Collinearity Statistics

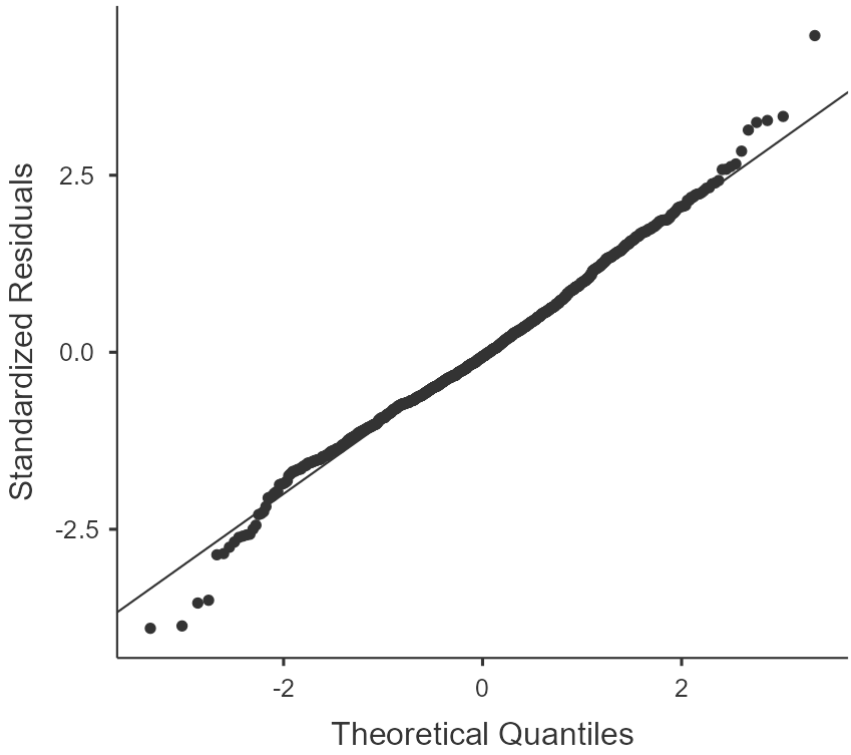
	VIF	**Tolerance**
EPS	1.97333	0.50676
SPS	2.01551	0.49615
GPS	1.22158	0.81861

[3]

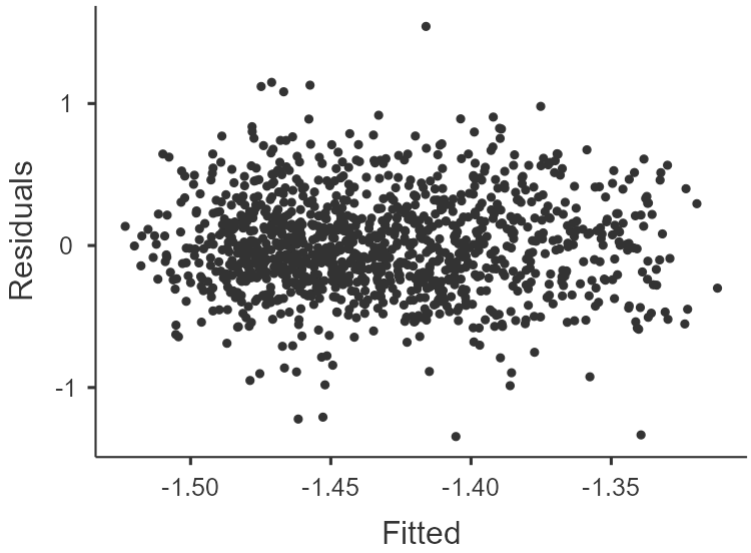
Normality Test (Shapiro-Wilk)

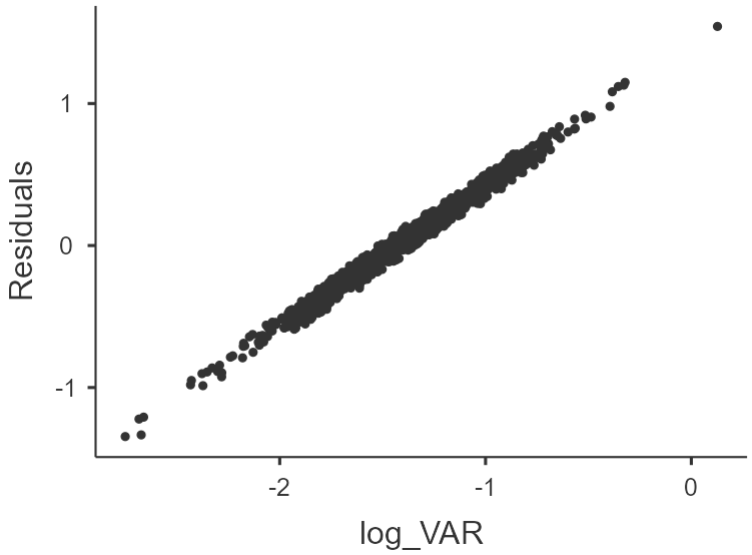
Statistic	**p**
0.99212	< .00001

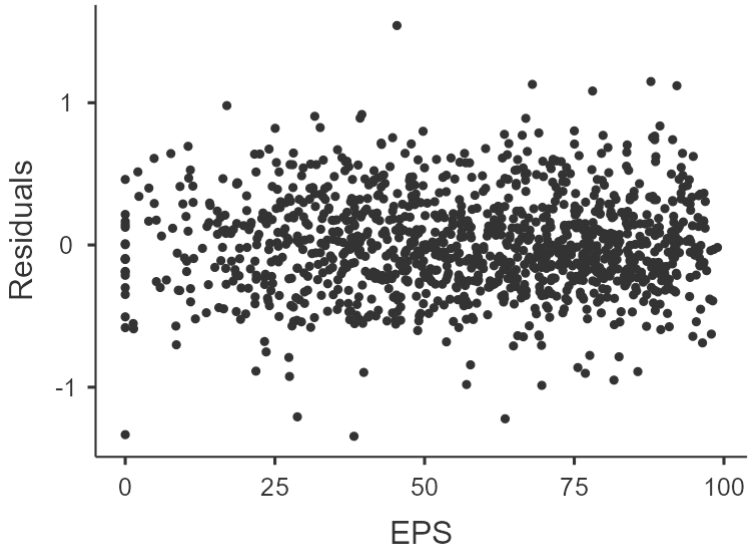
Q-Q Plot

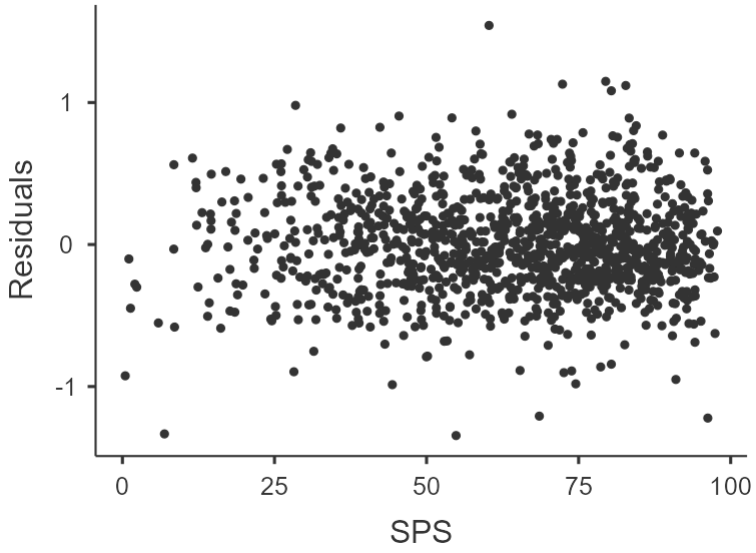


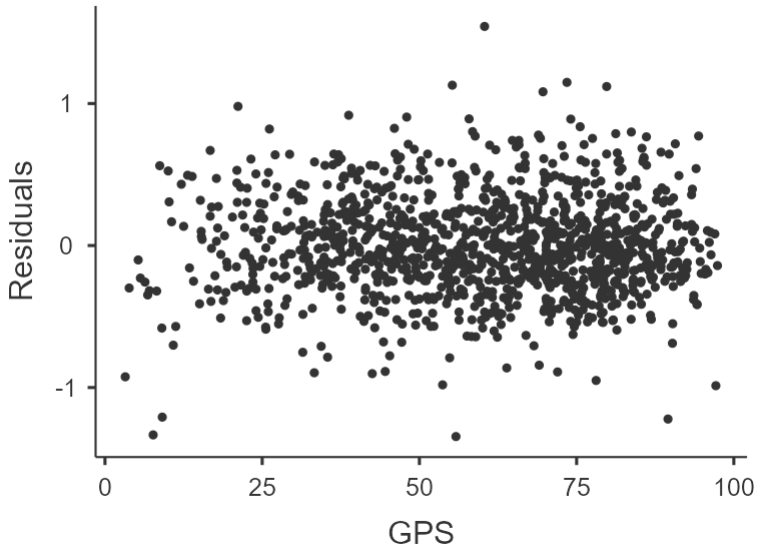
Residuals Plots




Residuals
1
0
-1
-2
-1
0
log_VAR


Residuals
1
0
-1
0
25
50
75
100
EPS


Residuals
1
0
-1
0
25
50
75
100
SPS



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.