Results

Linear Regression

Model Fit Measures

			Overall Model Test			
Model	**R**	**R^2**	**F**	**df1**	**df2**	**p**
1	0.17254	0.02977	12.15003	3	1188	< .00001

Model Coefficients - log_VAR

Predictor	**Estimate**	**SE**	**t**	**p**
Intercept	-1.49211	0.03534	-42.22512	< .00001
EPS	-0.00299	0.00062	-4.83128	< .00001
SPS	0.00051	0.00075	0.67720	0.49841
GPS	0.00054	0.00058	0.93384	0.35057

Assumption Checks

Durbin–Watson Test for Autocorrelation

Autocorrelation	**DW Statistic**	**p**
0.00293	1.99308	0.85400

[3]

Collinearity Statistics

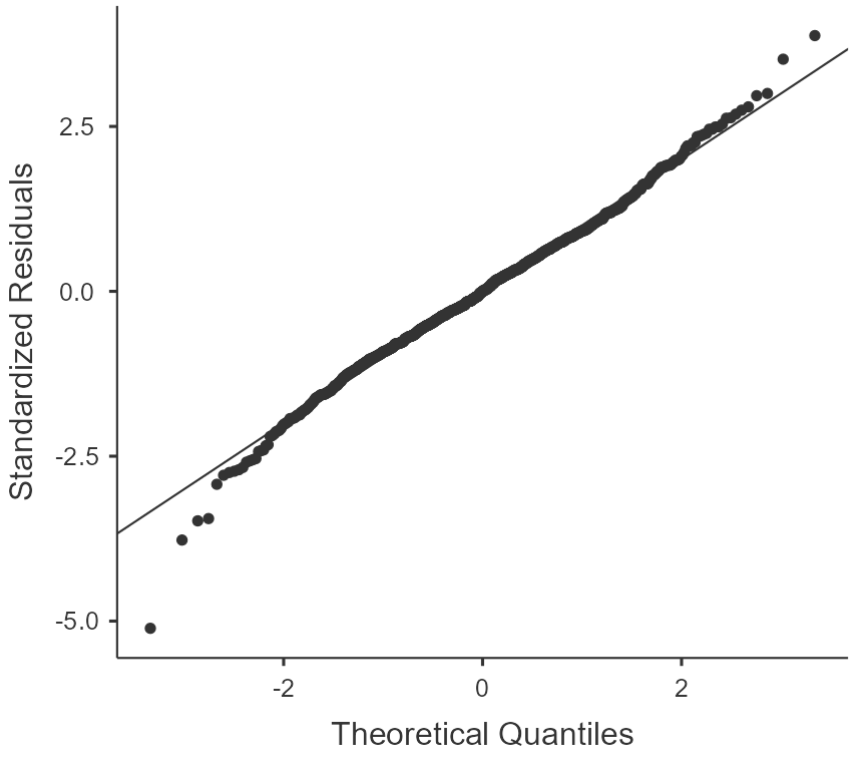
	VIF	**Tolerance**
EPS	2.15876	0.46323
SPS	2.17942	0.45884
GPS	1.31606	0.75984

[3]

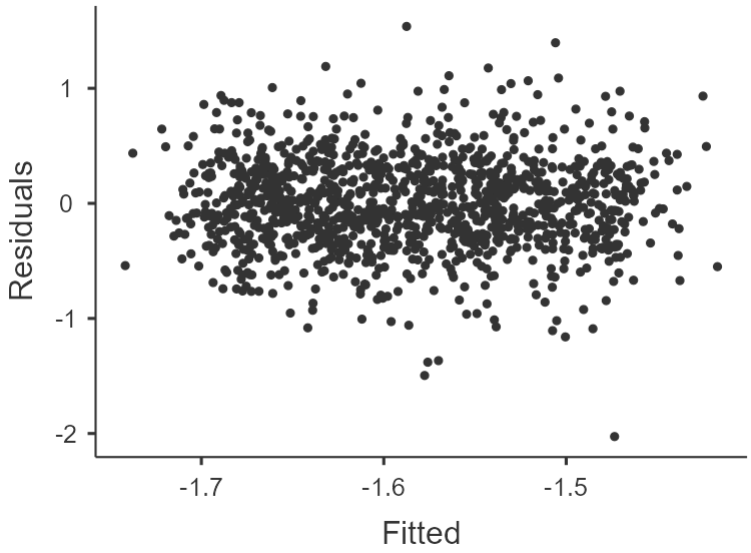
Normality Test (Shapiro-Wilk)

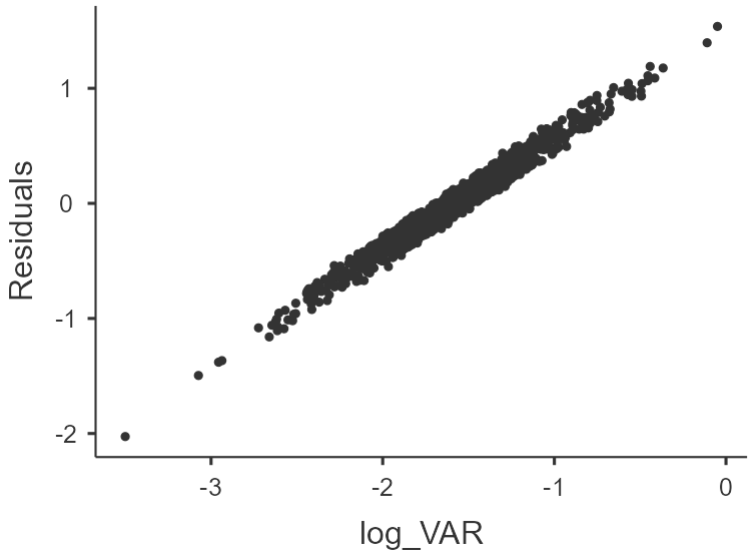
Statistic	**p**
0.99282	0.00002

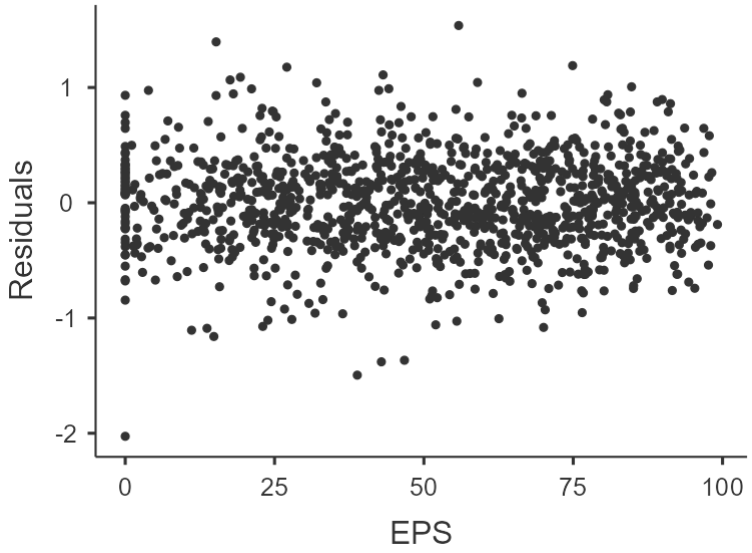
Q-Q Plot

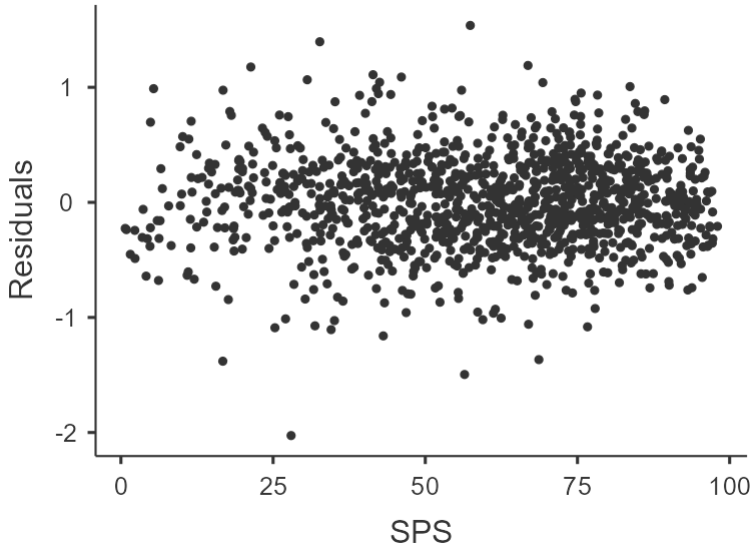


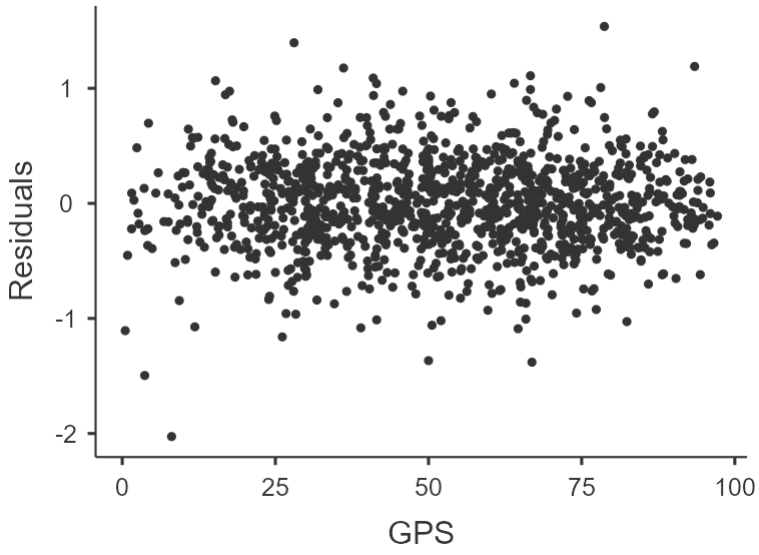
Residuals Plots




Residuals
1
0
-1
-2
-3
-2
-1
0
log_VAR


Residuals
1
0
-1
-2
0
25
50
75
100
EPS


Residuals
1
0
-1
-2
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.