Results

Linear Regression

Model Fit Measures

			Overall Model Test			
Model	R	R ²	F	df1	df2	р
1	0.16915	0.02861	11.66383	3	1188	< .00001

Model Coefficients - log_VAR

Predictor	Estimate	SE	t	р
Intercept	-1.10912	0.03950	-28.07708	< .00001
EPS	-0.00139	0.00060	-2.32365	0.02031
SPS	-0.00195	0.00071	-2.74732	0.00610
GPS	0.00090	0.00055	1.64309	0.10063

Assumption Checks

Durbin-Watson Test for Autocorrelation

Autocorrelation	DW Statistic	р	
0.04429	1.91114	0.12000	

[3]

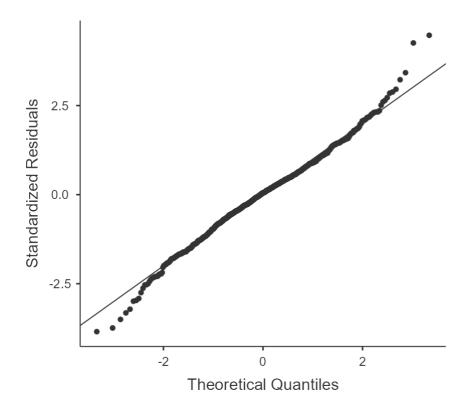
Collinearity Statistics

VIF	Tolerance
1.88942	0.52926
1.92779	0.51873
1.20316	0.83115
	1.88942 1.92779

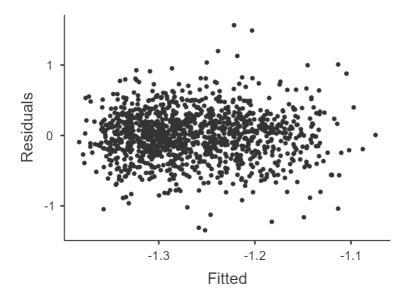
[3]

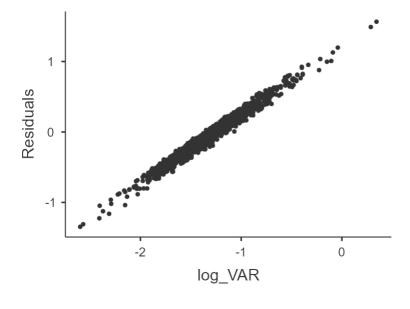
Normality Test (Shapiro-Wilk)

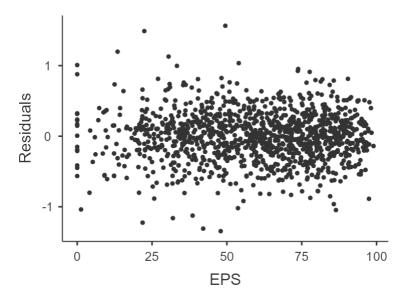
Statistic	р		
0.99111	< .00001		

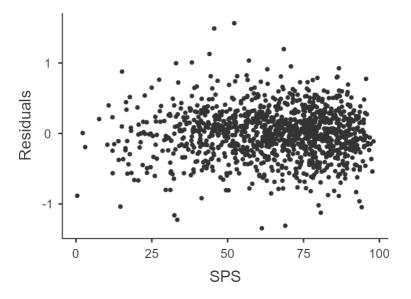


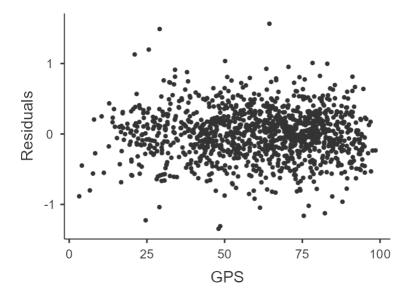
Residuals Plots











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.