

Results

Linear Regression

Model Fit Measures

Model	R	R ²	Overall Model Test			
			F	df1	df2	p
1	0.20959	0.04393	18.19397	3	1188	< .00001

Model Coefficients - log_VAR

Predictor	Estimate	SE	t	p
Intercept	-1.43797	0.04272	-33.65731	< .00001
EPS	-0.00298	0.00065	-4.61828	< .00001
SPS	-0.00122	0.00074	-1.64601	0.10003
GPS	0.00113	0.00057	1.99380	0.04640

Assumption Checks

Durbin–Watson Test for Autocorrelation

Autocorrelation	DW Statistic	p
0.00438	1.98942	0.89400

[3]

Collinearity Statistics

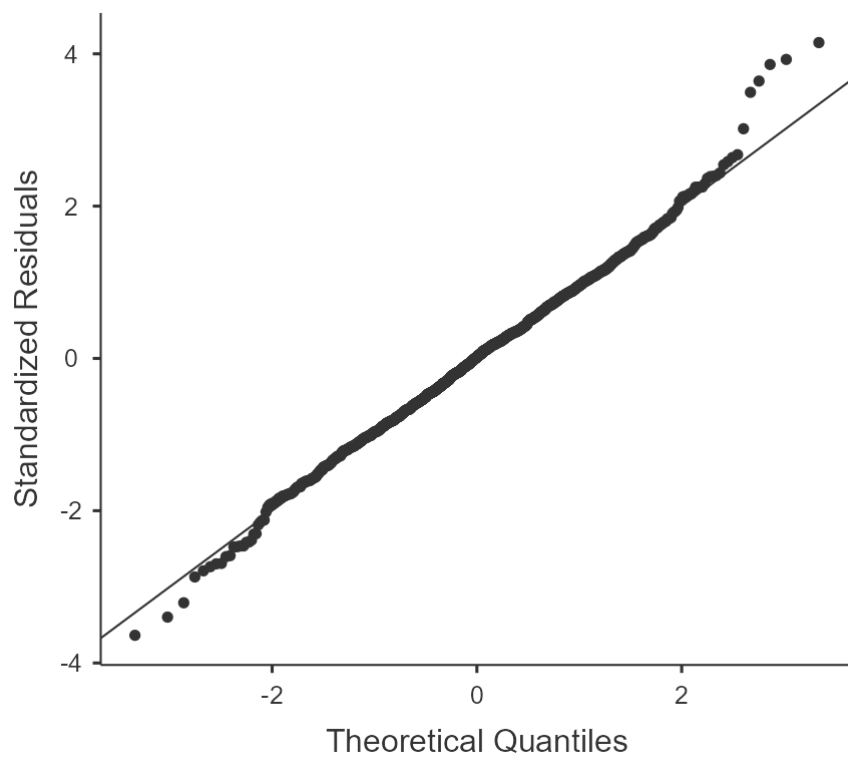
	VIF	Tolerance
EPS	1.82833	0.54695
SPS	1.85443	0.53925
GPS	1.17374	0.85198

[3]

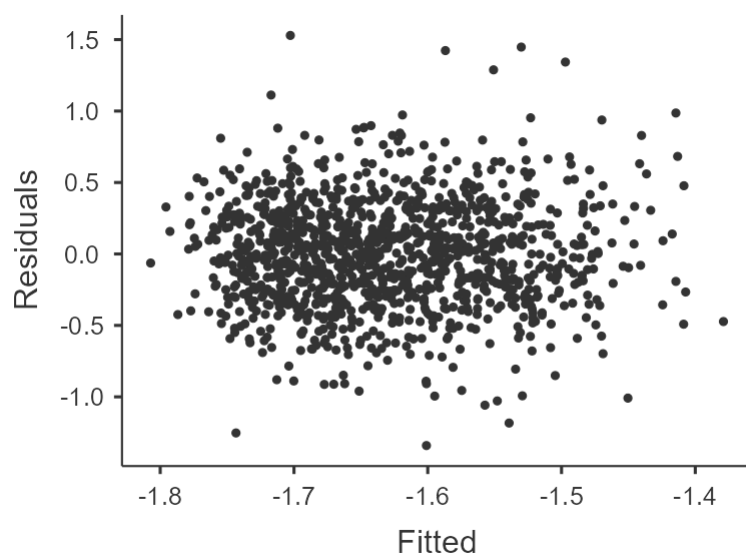
Normality Test (Shapiro-Wilk)

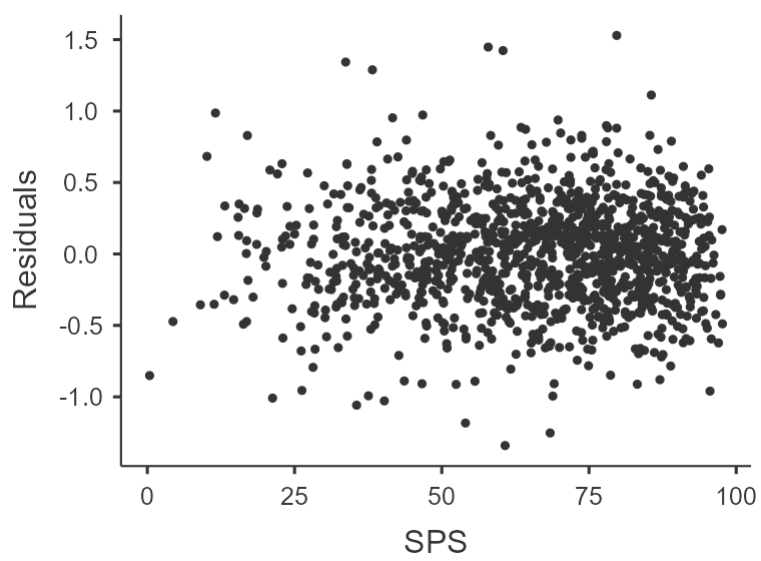
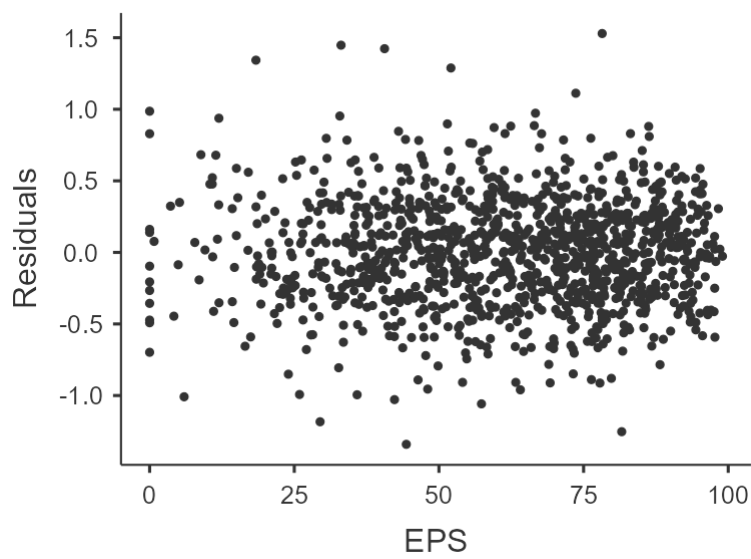
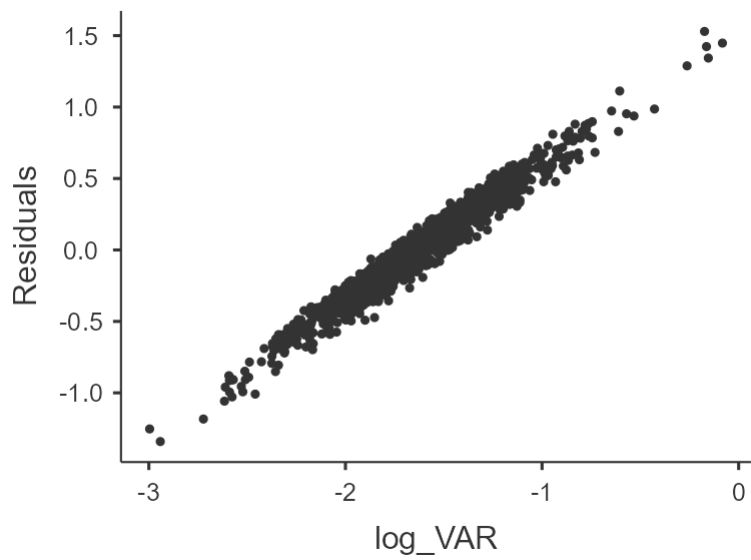
Statistic	p
0.99474	0.00035

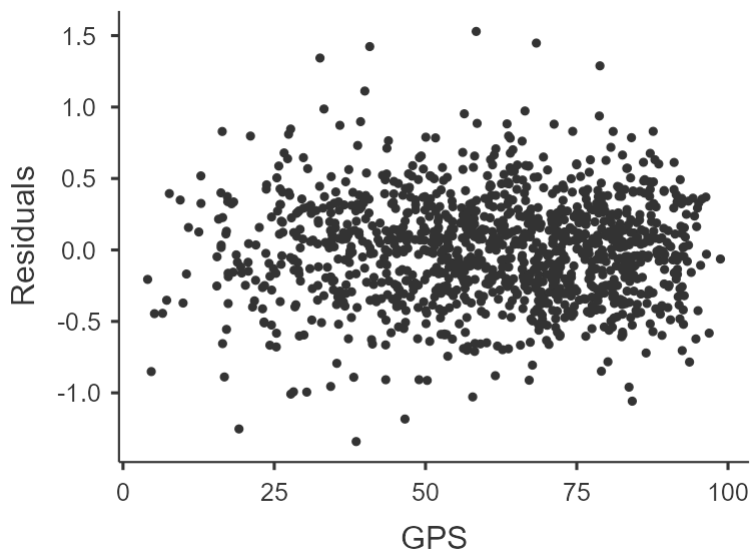
Q-Q Plot



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>.