

Results

Linear Regression

Model Fit Measures

Model	R	R ²	Overall Model Test			
			F	df1	df2	p
1	0.17949	0.03222	13.20435	3	1190	< .00001

Model Coefficients - log_VAR

Predictor	Estimate	SE	t	p
Intercept	-1.39993	0.03986	-35.12271	< .00001
EPS	-0.00258	0.00062	-4.16502	0.00003
SPS	-0.00039	0.00074	-0.52286	0.60117
GPS	0.00009	0.00057	0.16182	0.87148

Assumption Checks

Durbin–Watson Test for Autocorrelation

Autocorrelation	DW Statistic	p
0.01602	1.96759	0.61200

[3]

Collinearity Statistics

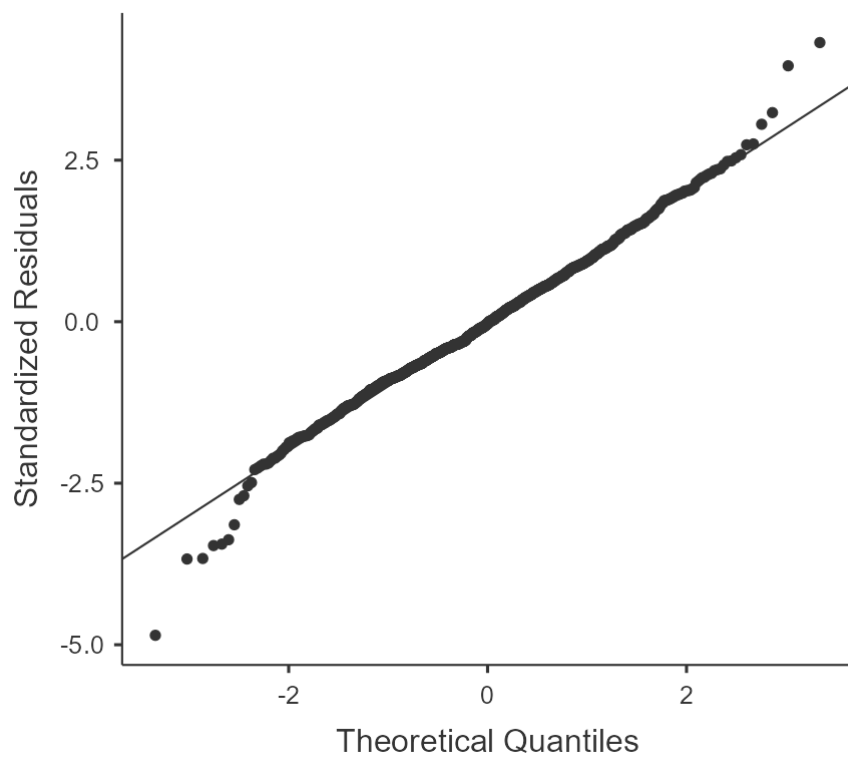
	VIF	Tolerance
EPS	1.95789	0.51075
SPS	2.00398	0.49901
GPS	1.22080	0.81913

[3]

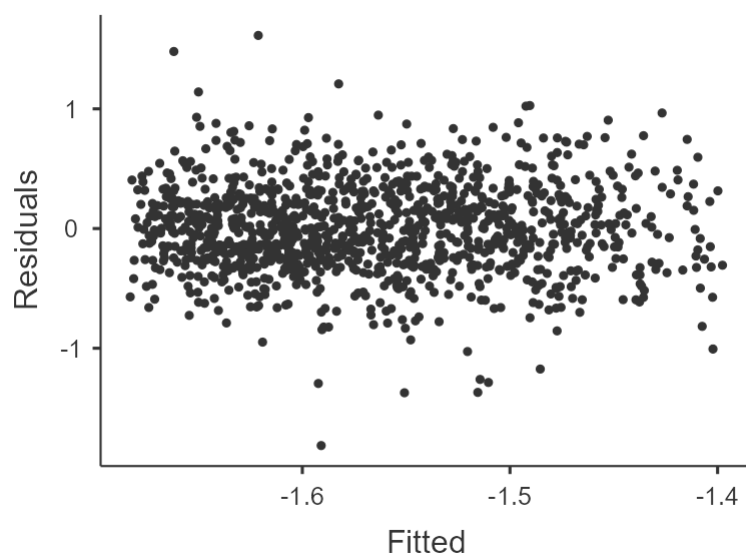
Normality Test (Shapiro-Wilk)

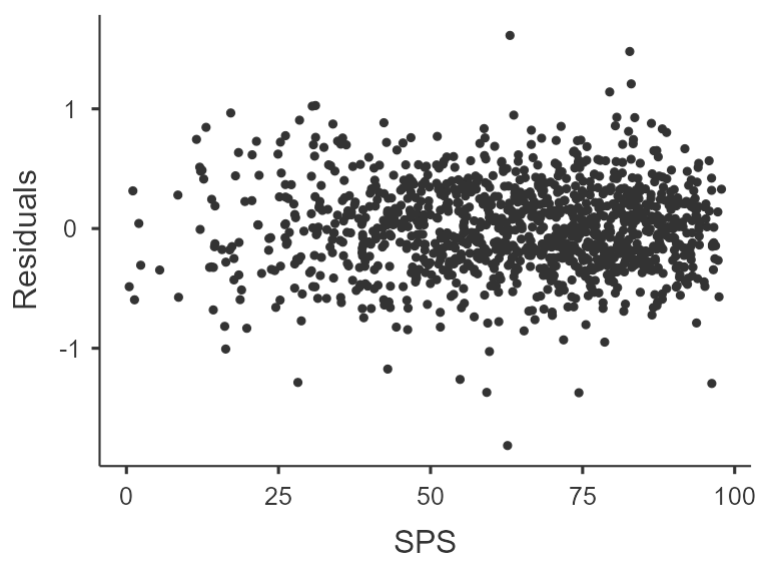
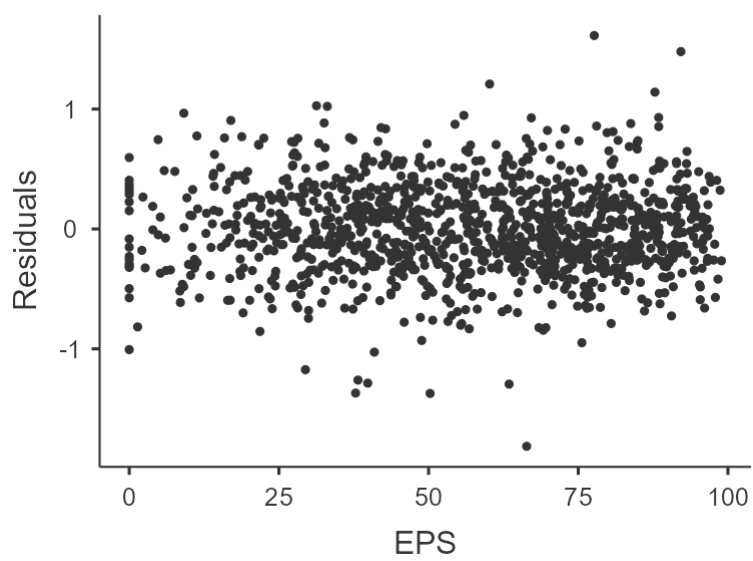
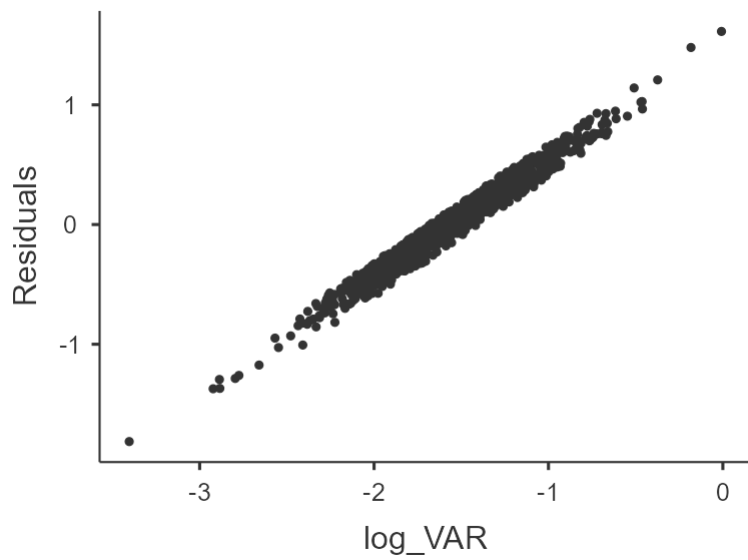
Statistic	p
0.99182	< .00001

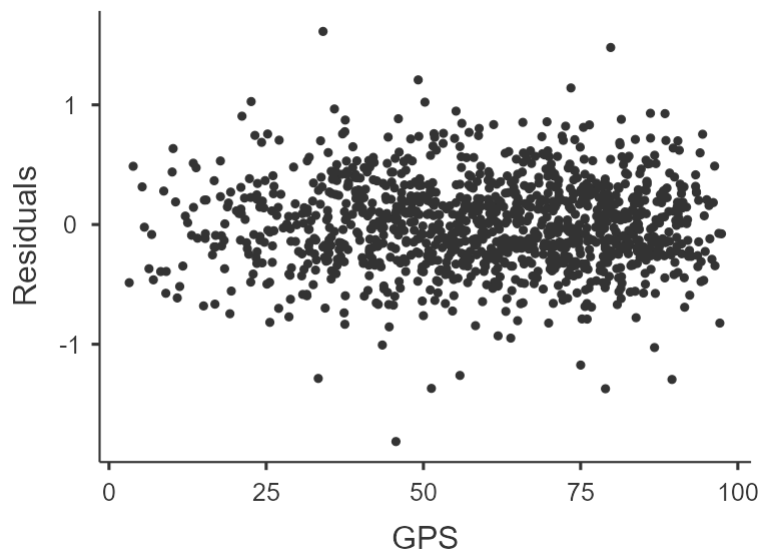
Q-Q Plot



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>.