

Results

Linear Regression

Model Fit Measures

Model	R	R ²	Overall Model Test			
			F	df1	df2	p
1	0.28577	0.08166	35.15438	3	1186	< .00001

Model Coefficients - log_VOL

Predictor	Estimate	SE	t	p
Intercept	-1.62431	0.05071	-32.02977	< .00001
EPS	-0.00405	0.00073	-5.56160	< .00001
SPS	-0.00294	0.00085	-3.44935	0.00058
GPS	0.00180	0.00064	2.80951	0.00504

Assumption Checks

Durbin–Watson Test for Autocorrelation

Autocorrelation	DW Statistic	p
0.01721	1.96523	0.52400

[3]

Collinearity Statistics

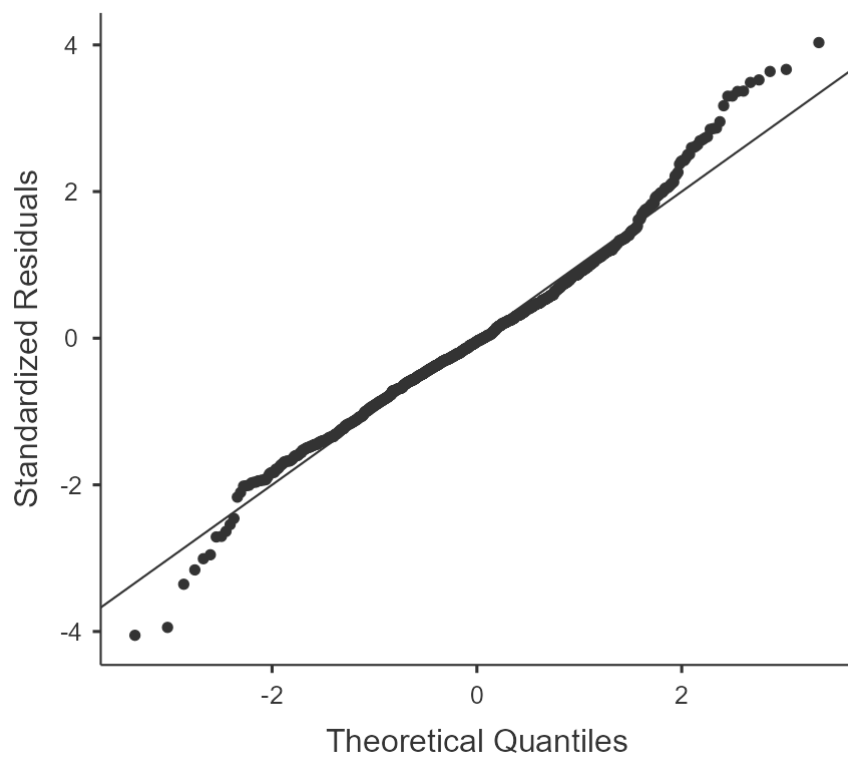
	VIF	Tolerance
EPS	1.74425	0.57331
SPS	1.76069	0.56796
GPS	1.12955	0.88531

[3]

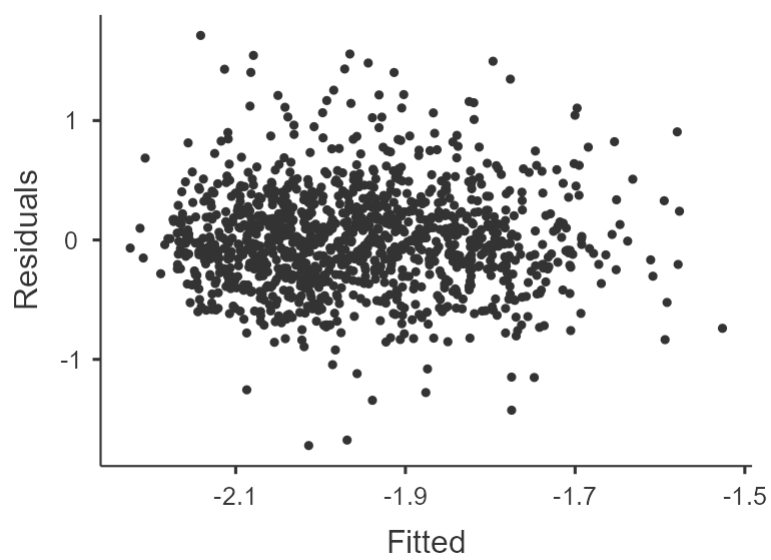
Normality Test (Shapiro-Wilk)

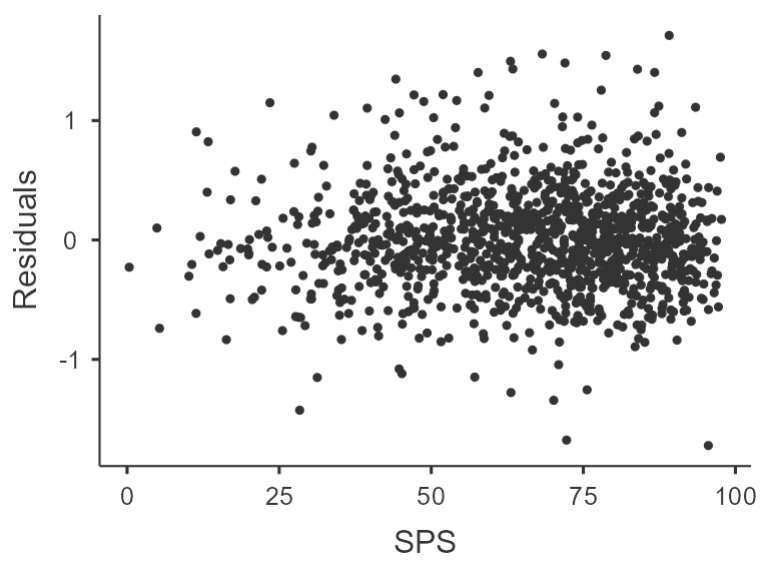
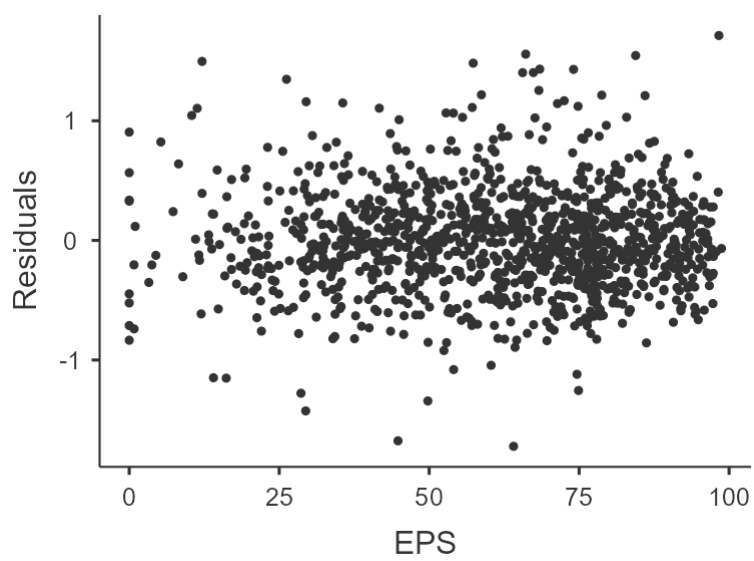
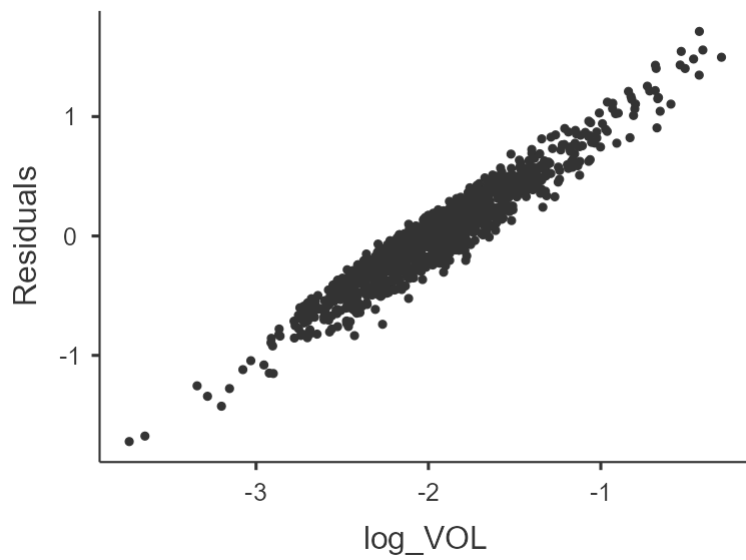
Statistic	p
0.98191	< .00001

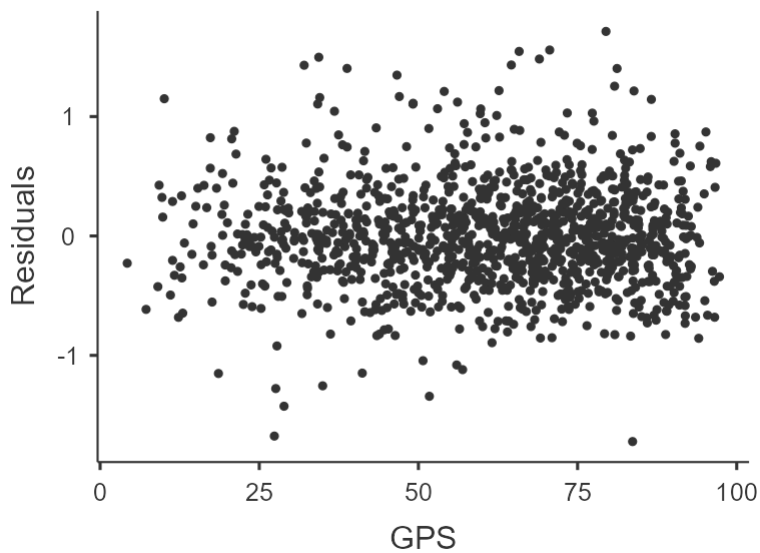
Q-Q Plot



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>.