

Results

Linear Regression

Model Fit Measures

Model	R	R ²	Overall Model Test			
			F	df1	df2	p
1	0.23277	0.05418	22.68427	3	1188	< .00001

Model Coefficients - log_VOL

Predictor	Estimate	SE	t	p
Intercept	-1.57322	0.04354	-36.13190	< .00001
EPS	-0.00345	0.00065	-5.28153	< .00001
SPS	-0.00109	0.00076	-1.44296	0.14929
GPS	0.00053	0.00058	0.92294	0.35622

Assumption Checks

Durbin–Watson Test for Autocorrelation

Autocorrelation	DW Statistic	p
0.00009	1.99936	0.99400

[3]

Collinearity Statistics

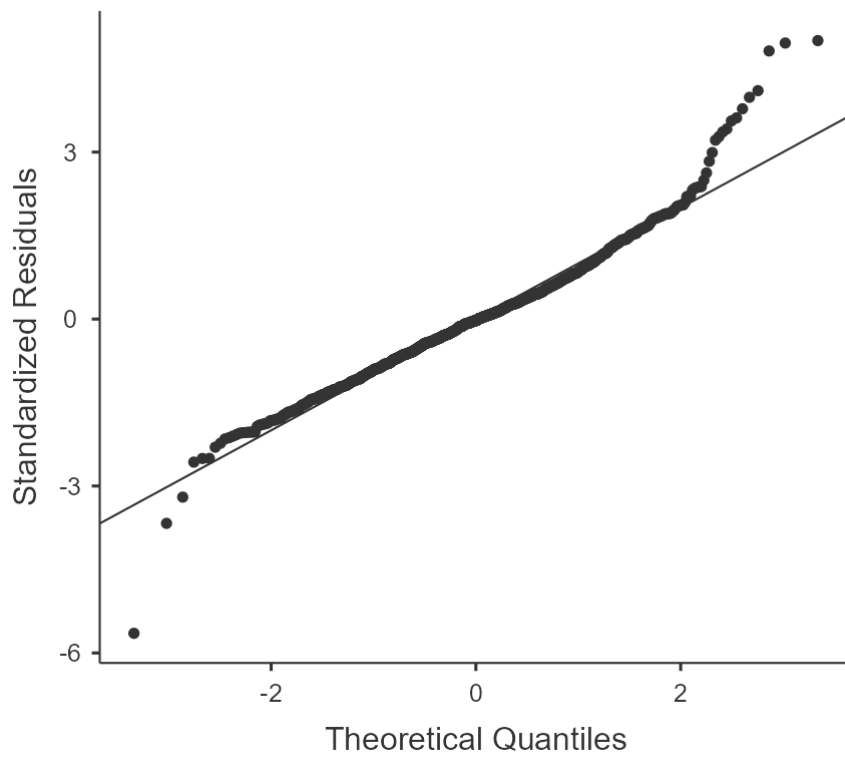
	VIF	Tolerance
EPS	1.82151	0.54900
SPS	1.85324	0.53960
GPS	1.17018	0.85457

[3]

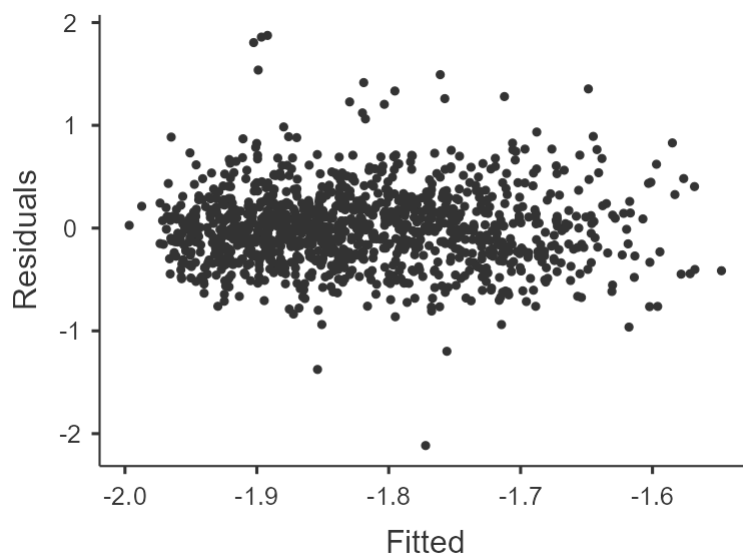
Normality Test (Shapiro-Wilk)

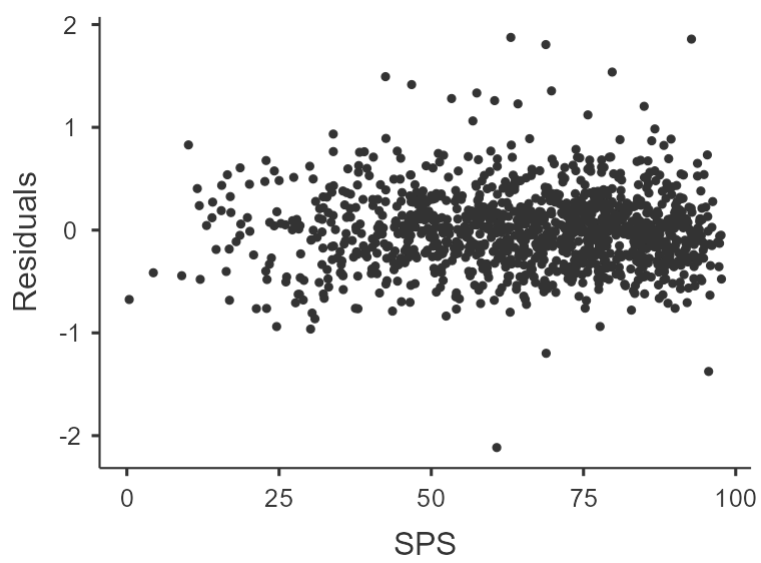
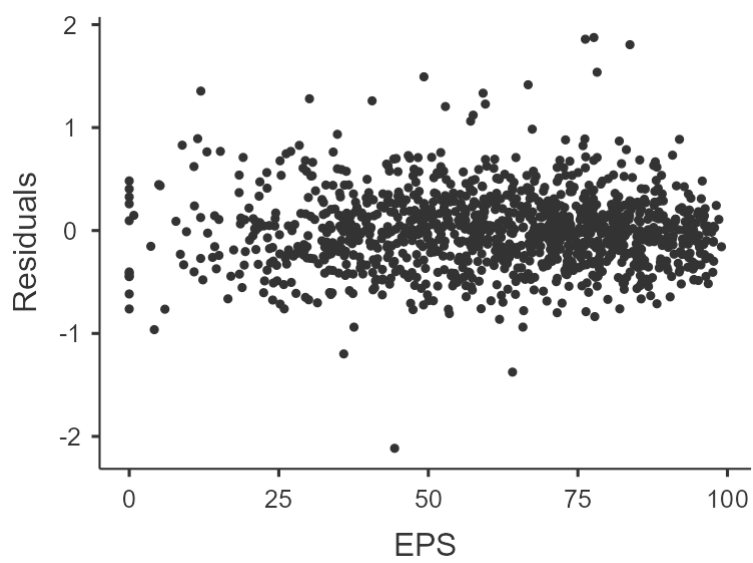
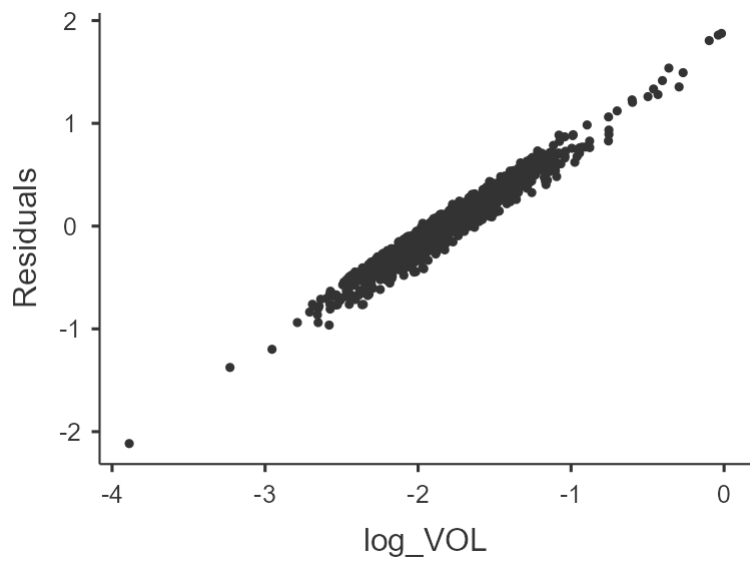
Statistic	p
0.96919	< .00001

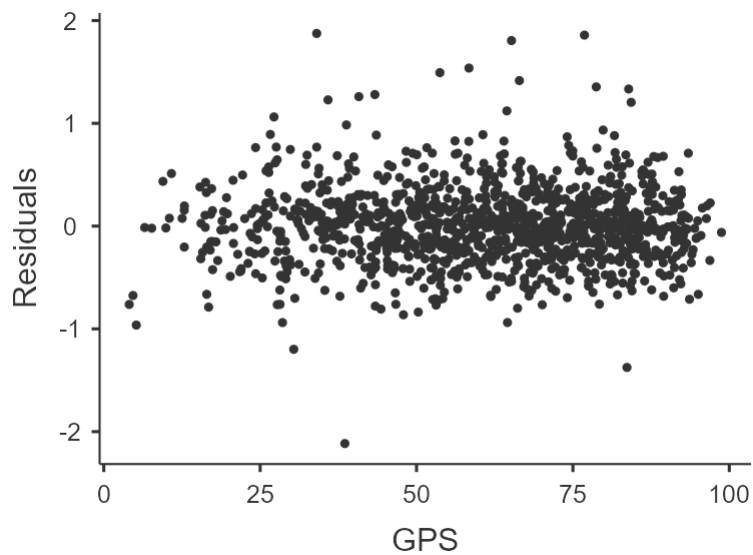
Q-Q Plot



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>.