

Results

Linear Regression

Model Fit Measures

Model	R	R ²	Overall Model Test			
			F	df1	df2	p
1	0.26642	0.07098	30.30656	3	1190	< .00001

Model Coefficients - log_VOL

Predictor	Estimate	SE	t	p
Intercept	-1.83393	0.03956	-46.36276	< .00001
EPS	-0.00444	0.00066	-6.75106	< .00001
SPS	-0.00021	0.00080	-0.26382	0.79196
GPS	0.00078	0.00062	1.25545	0.20956

Assumption Checks

Durbin–Watson Test for Autocorrelation

Autocorrelation	DW Statistic	p
0.00436	1.99126	0.92800

[3]

Collinearity Statistics

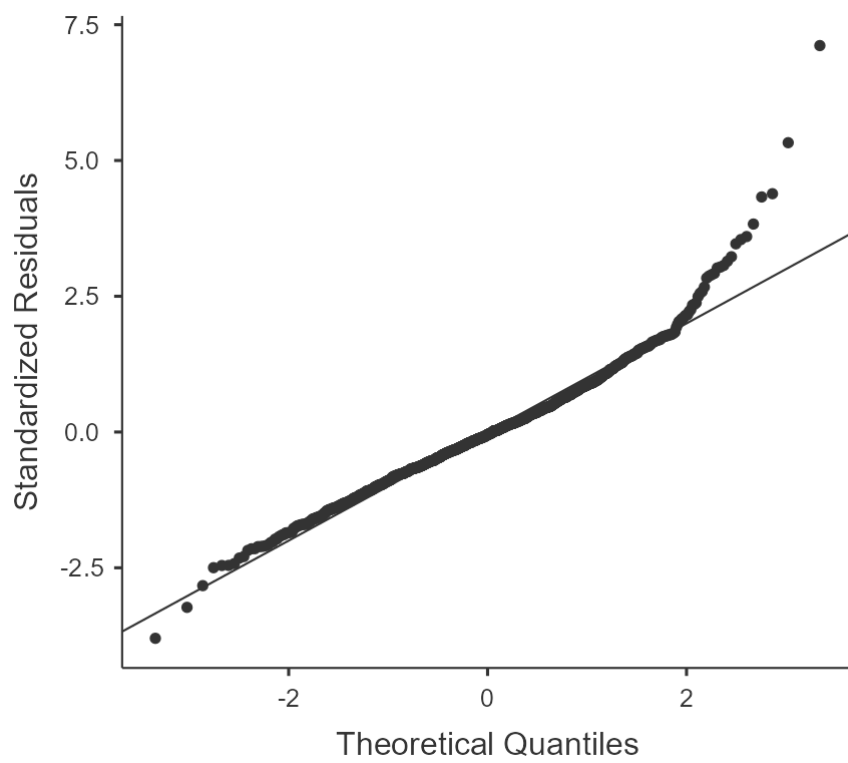
	VIF	Tolerance
EPS	2.09423	0.47750
SPS	2.14179	0.46690
GPS	1.27494	0.78435

[3]

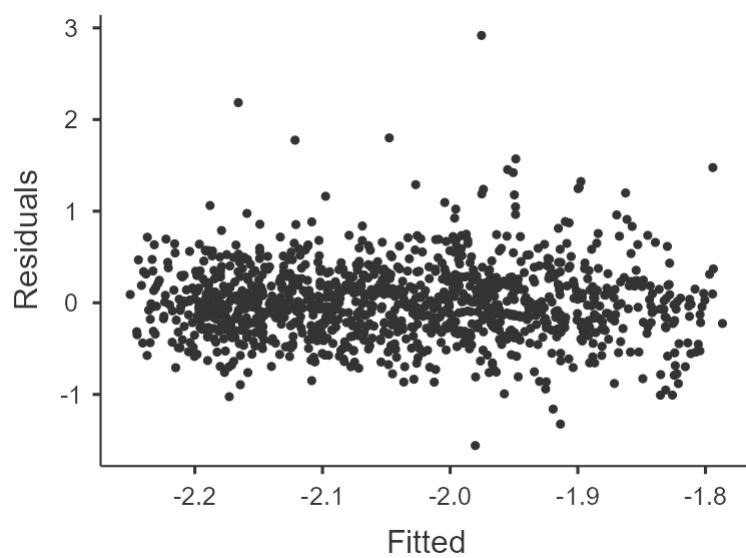
Normality Test (Shapiro-Wilk)

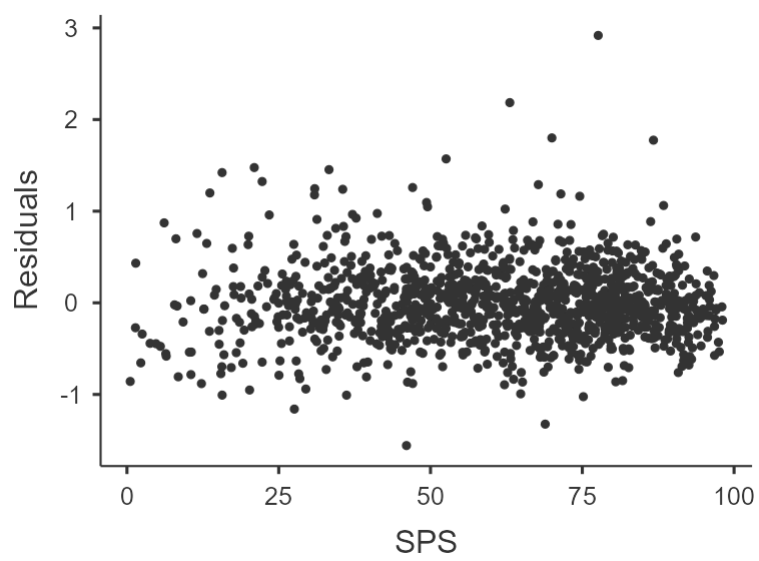
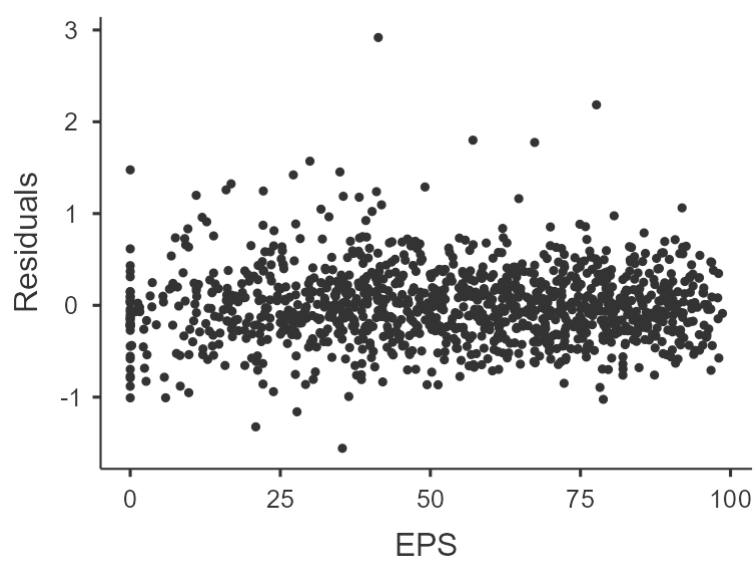
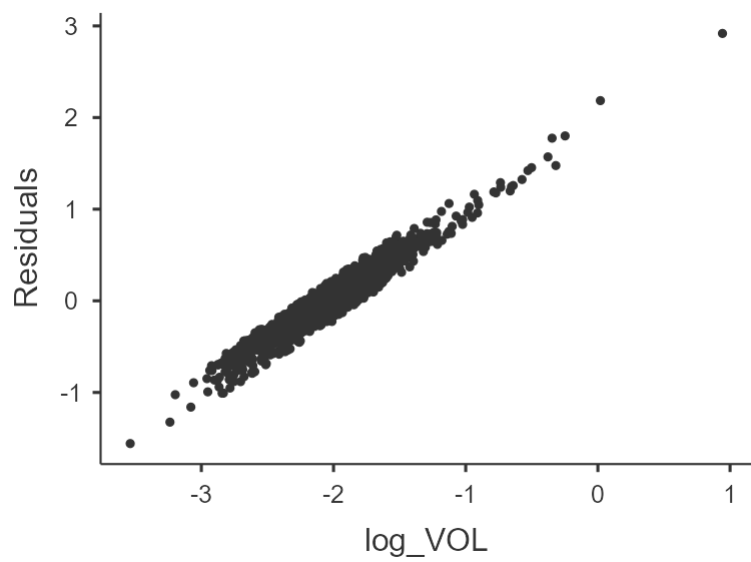
Statistic	p
0.96331	< .00001

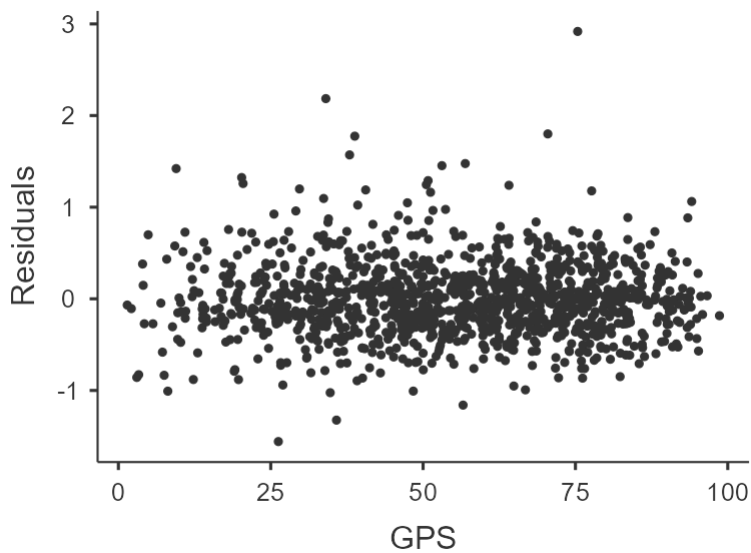
Q-Q Plot



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>.