

Results

Linear Regression

Model Fit Measures

Model	R	R ²	Overall Model Test			
			F	df1	df2	p
1	0.25625	0.06566	27.80708	3	1187	< .00001

Model Coefficients - log_VOL

Predictor	Estimate	SE	t	p
Intercept	-1.76292	0.04566	-38.60665	< .00001
EPS	-0.00417	0.00069	-6.06389	< .00001
SPS	-0.00116	0.00079	-1.47212	0.14125
GPS	0.00092	0.00061	1.51375	0.13036

Assumption Checks

Durbin–Watson Test for Autocorrelation

Autocorrelation	DW Statistic	p
0.02933	1.94105	0.32000

[3]

Collinearity Statistics

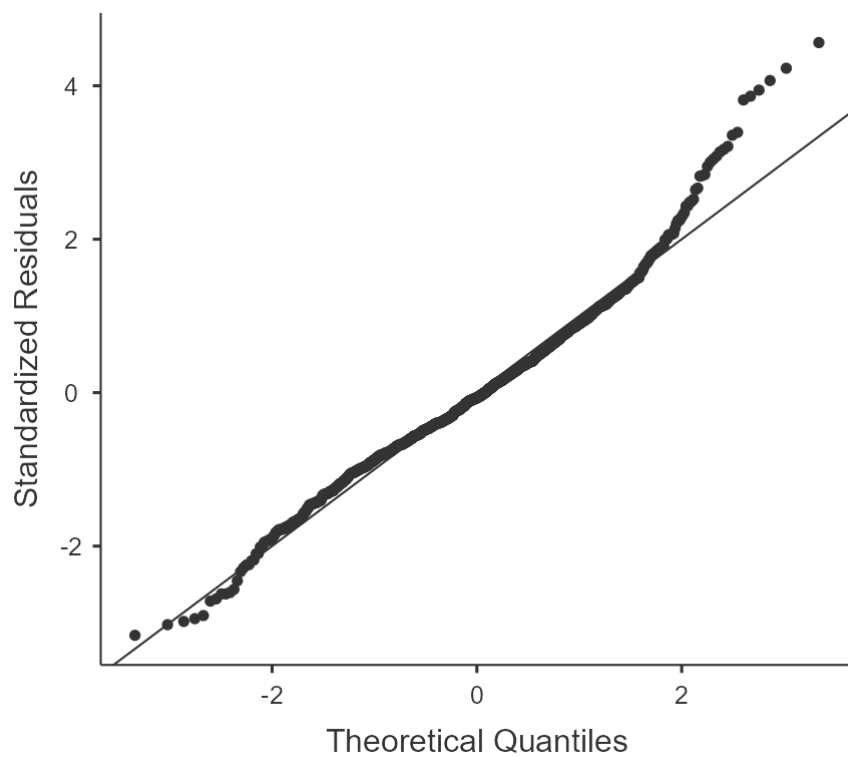
	VIF	Tolerance
EPS	1.81521	0.55090
SPS	1.83537	0.54485
GPS	1.17290	0.85258

[3]

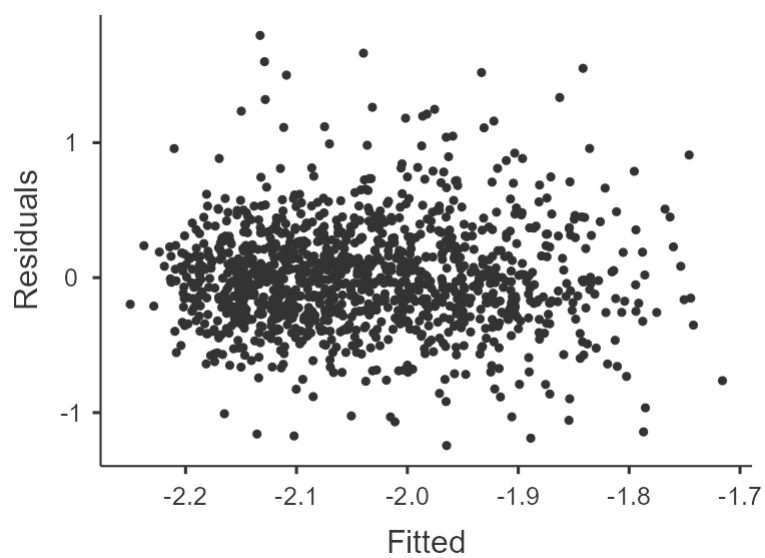
Normality Test (Shapiro-Wilk)

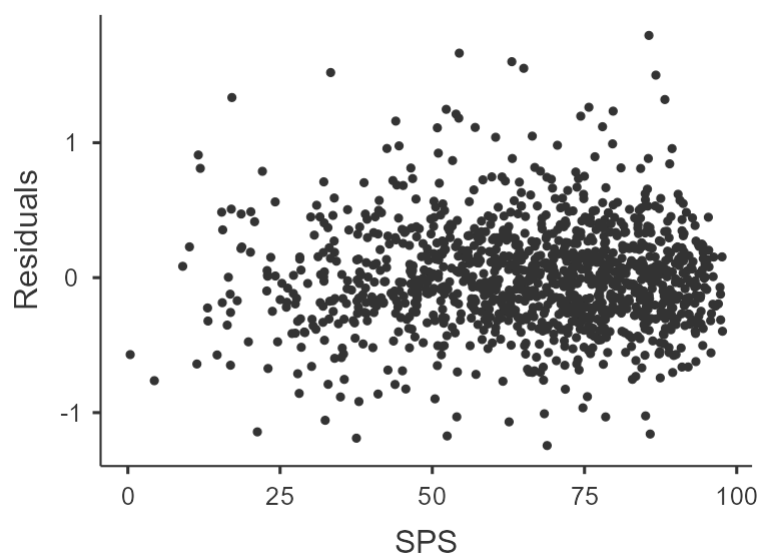
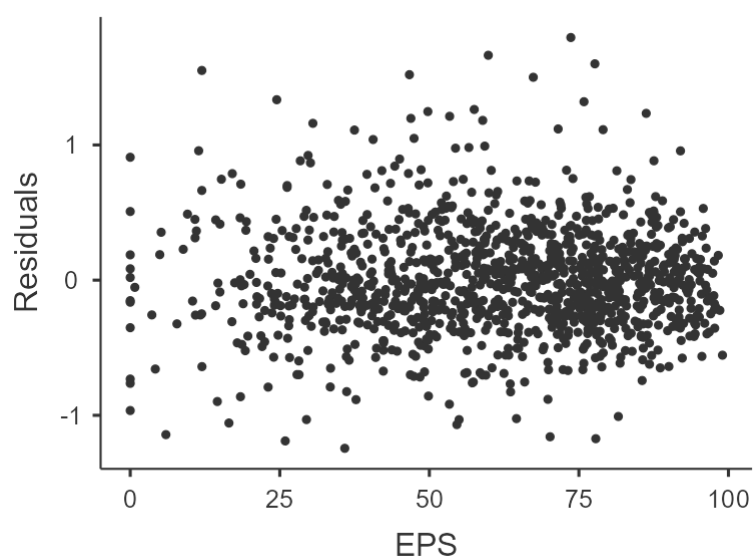
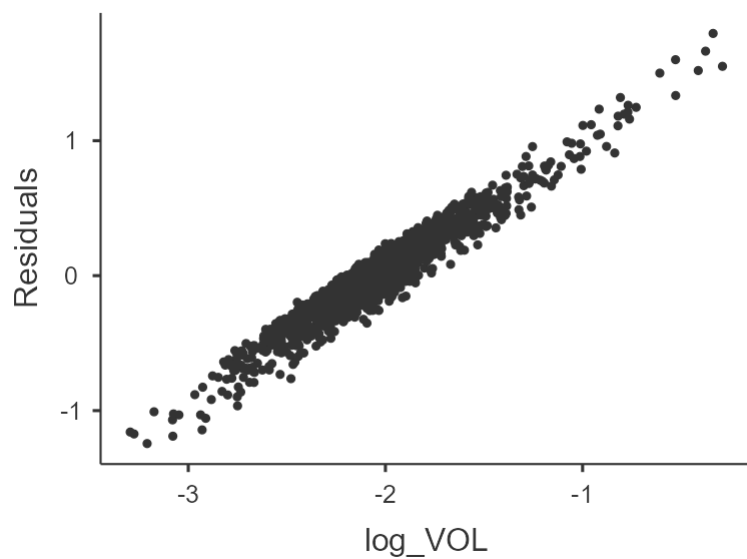
Statistic	p
0.97759	< .00001

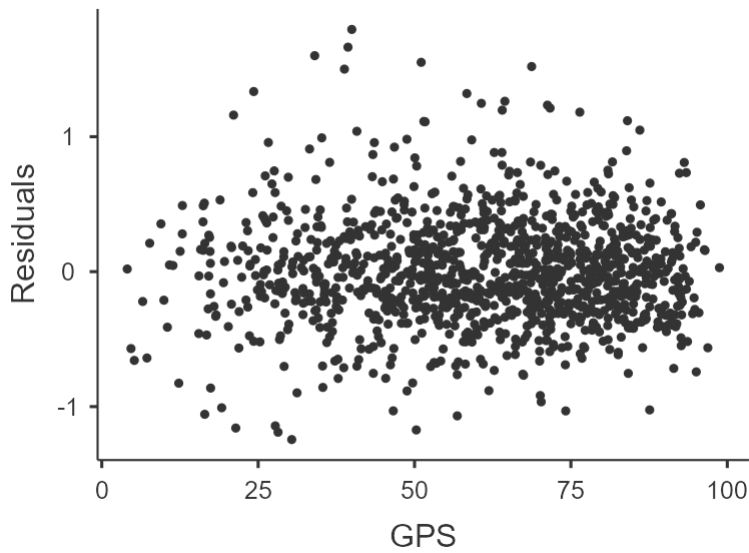
Q-Q Plot



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>.