

Results

Linear Regression

Model Fit Measures

Model	R	R ²	Overall Model Test			
			F	df1	df2	p
1	0.21047	0.04430	18.33907	3	1187	< .00001

Model Coefficients - log_VOL

Predictor	Estimate	SE	t	p
Intercept	-1.73691	0.04025	-43.15756	< .00001
EPS	-0.00295	0.00062	-4.75948	< .00001
SPS	-0.00034	0.00073	-0.45951	0.64595
GPS	-0.00042	0.00057	-0.74743	0.45495

Assumption Checks

Durbin–Watson Test for Autocorrelation

Autocorrelation	DW Statistic	p
0.03368	1.93260	0.26600

[3]

Collinearity Statistics

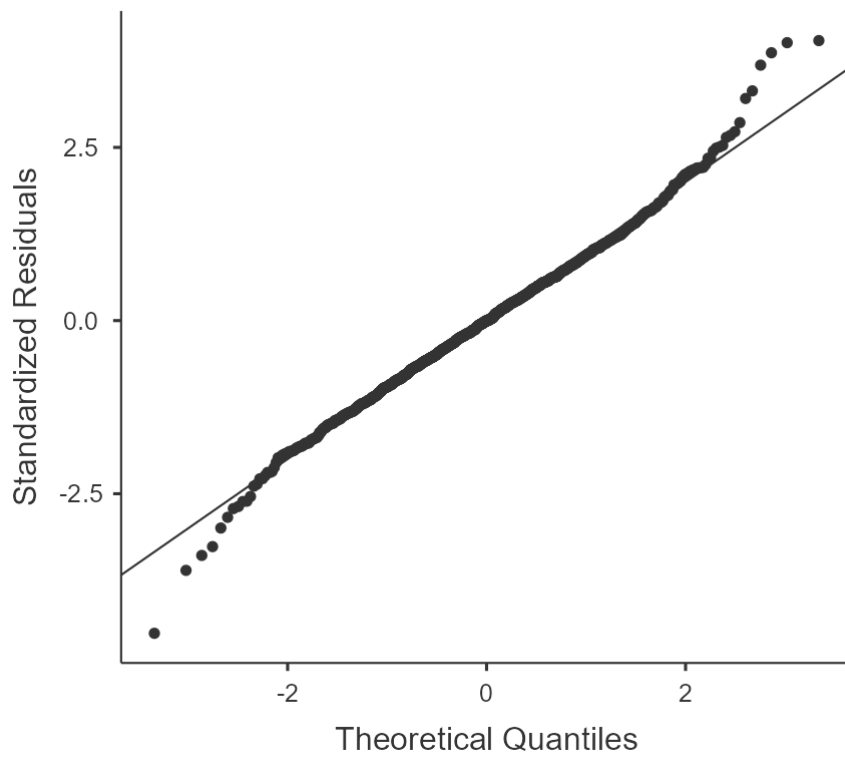
	VIF	Tolerance
EPS	1.92204	0.52028
SPS	1.96948	0.50775
GPS	1.22422	0.81685

[3]

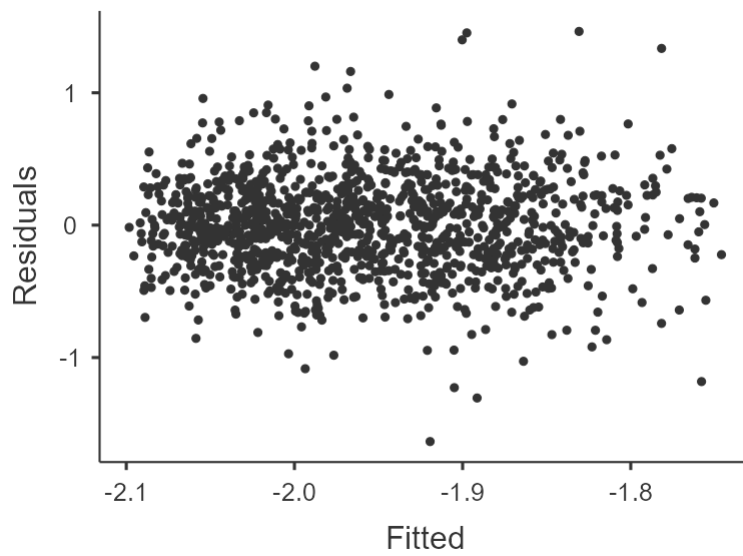
Normality Test (Shapiro-Wilk)

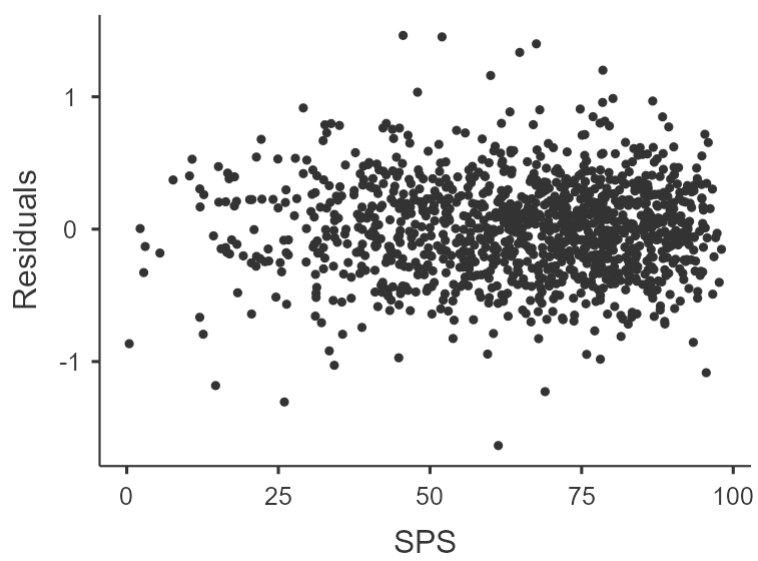
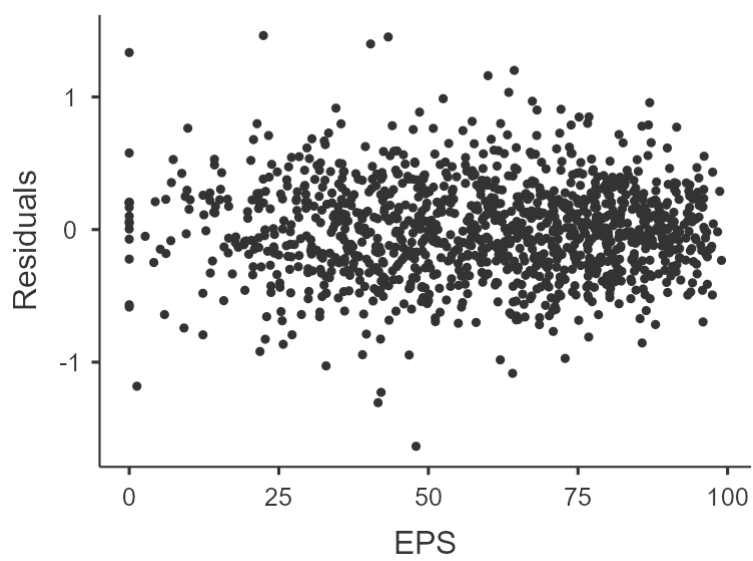
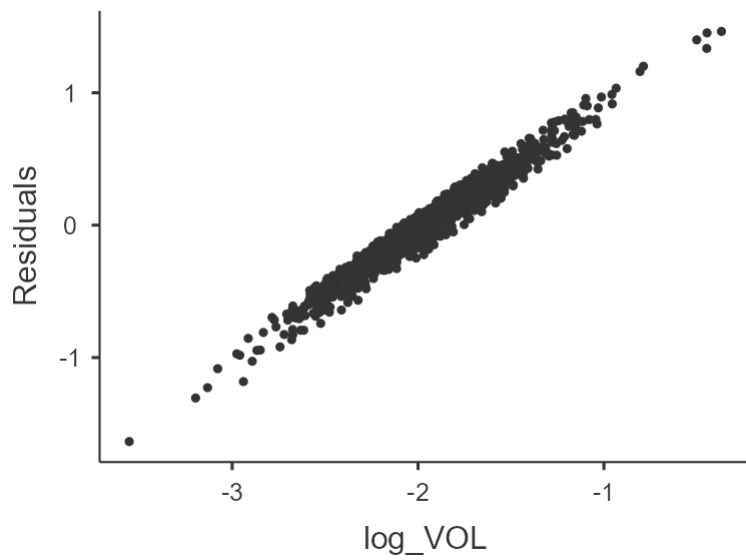
Statistic	p
0.99259	0.00001

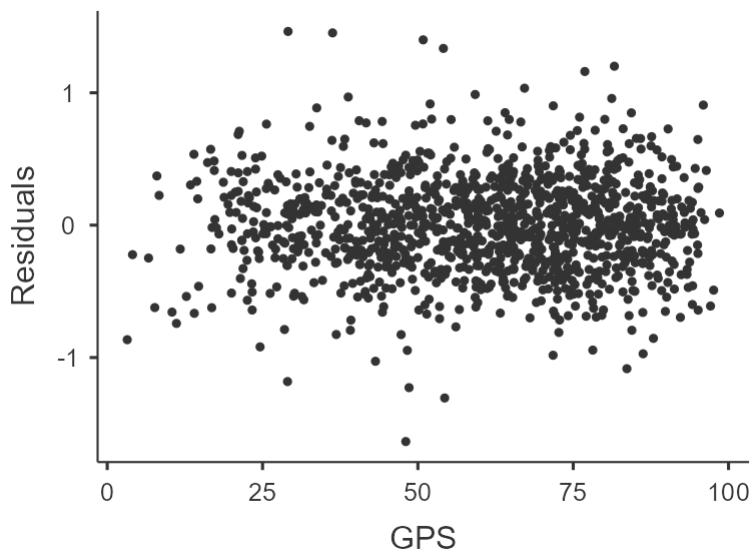
Q-Q Plot



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>.