

Results

Linear Regression

Model Fit Measures

Model	R	R ²	Overall Model Test			
			F	df1	df2	p
1	0.25674	0.06592	27.87468	3	1185	< .00001

Model Coefficients - log_VOL

Predictor	Estimate	SE	t	p
Intercept	-1.81300	0.03757	-48.25334	< .00001
EPS	-0.00273	0.00058	-4.69160	< .00001
SPS	-0.00150	0.00070	-2.15687	0.03122
GPS	-0.00024	0.00054	-0.44448	0.65678

Assumption Checks

Durbin–Watson Test for Autocorrelation

Autocorrelation	DW Statistic	p
0.01320	1.97289	0.66400

[3]

Collinearity Statistics

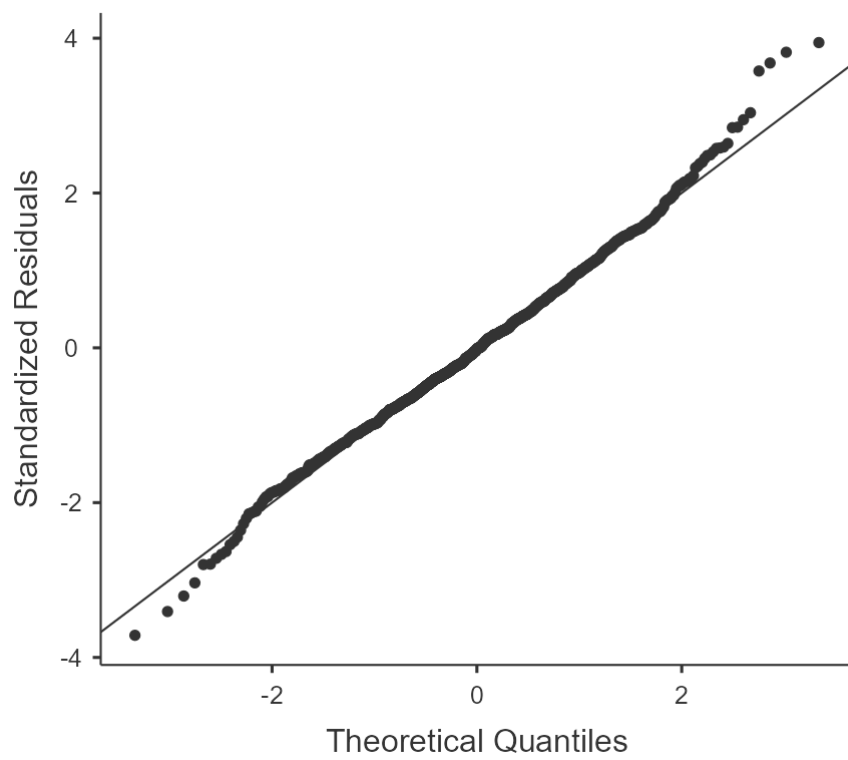
	VIF	Tolerance
EPS	1.95029	0.51274
SPS	1.99728	0.50068
GPS	1.21898	0.82036

[3]

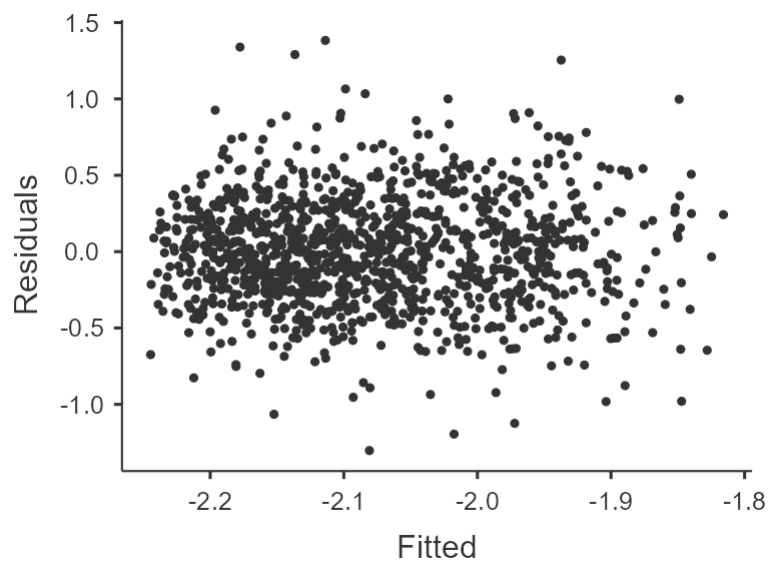
Normality Test (Shapiro-Wilk)

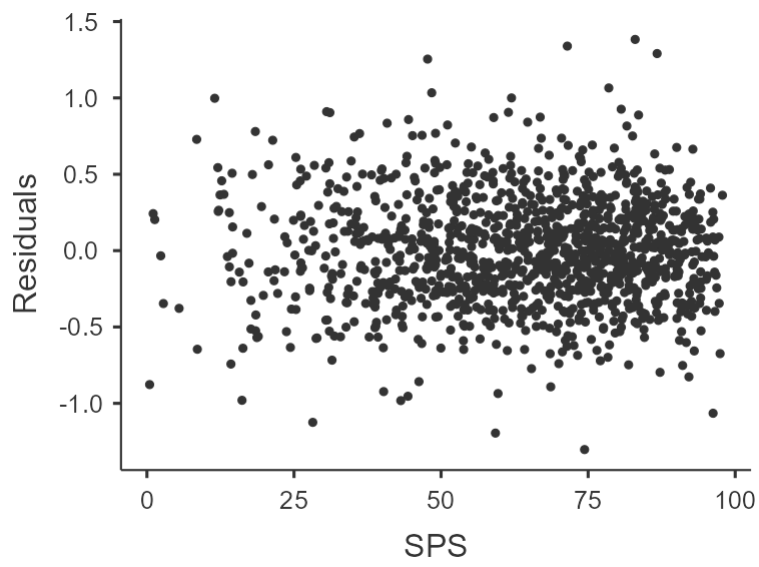
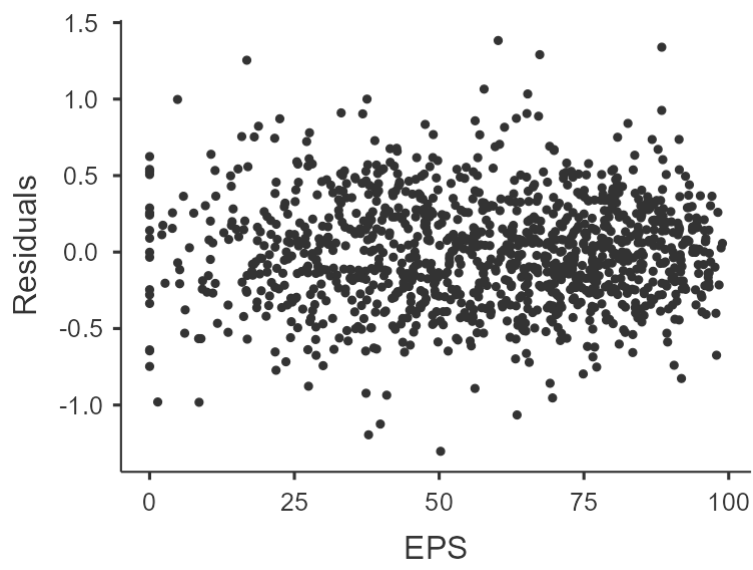
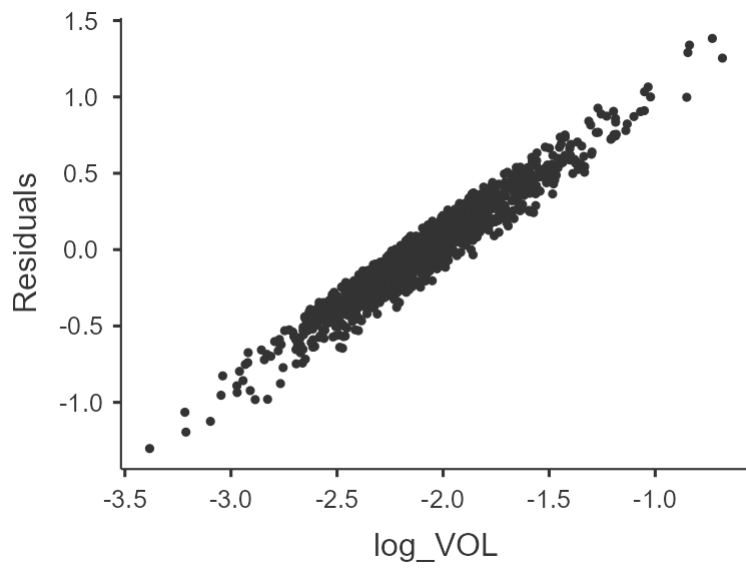
Statistic	p
0.99502	0.00058

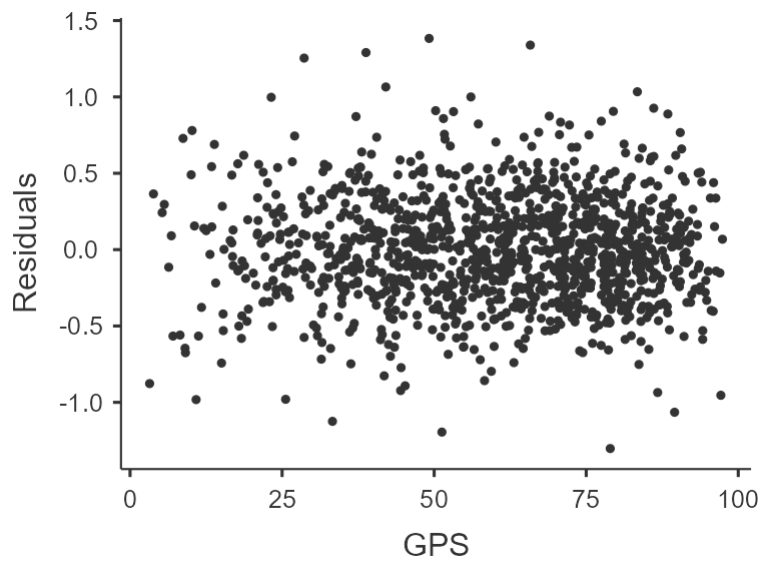
Q-Q Plot



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>.