

Results

Linear Regression

Model Fit Measures

Model	R	R ²	Overall Model Test			
			F	df1	df2	p
1	0.19355	0.03746	15.43738	3	1190	< .00001

Model Coefficients - log_VOL

Predictor	Estimate	SE	t	p
Intercept	-1.64521	0.03744	-43.93714	< .00001
EPS	-0.00259	0.00062	-4.17810	0.00003
SPS	-0.00098	0.00075	-1.30520	0.19208
GPS	0.00122	0.00058	2.11210	0.03489

Assumption Checks

Durbin–Watson Test for Autocorrelation

Autocorrelation	DW Statistic	p
-0.01085	2.02068	0.71800

[3]

Collinearity Statistics

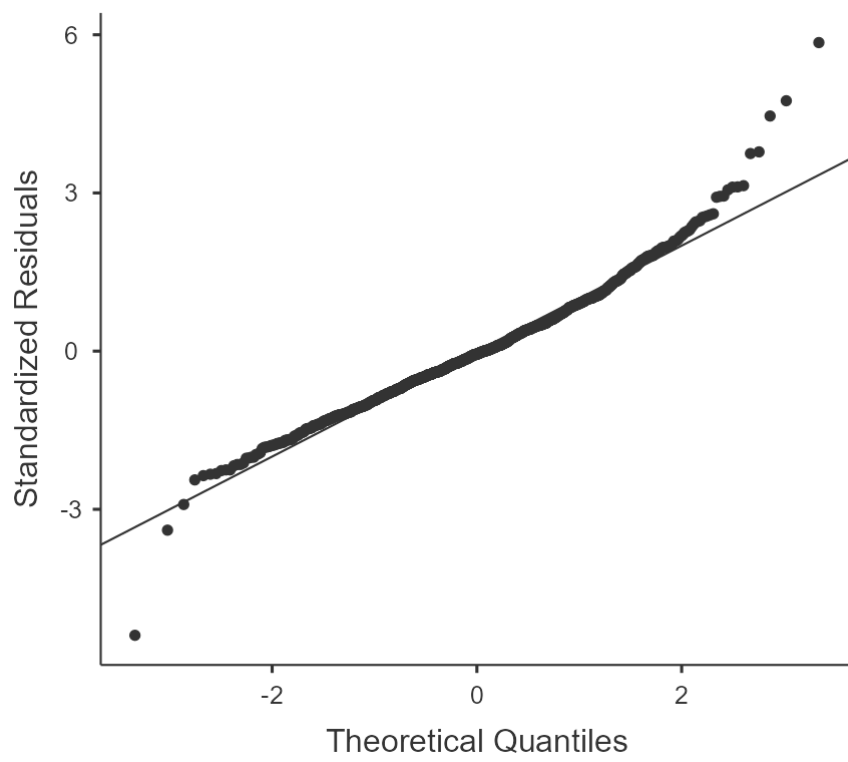
	VIF	Tolerance
EPS	2.09054	0.47834
SPS	2.13073	0.46932
GPS	1.26773	0.78881

[3]

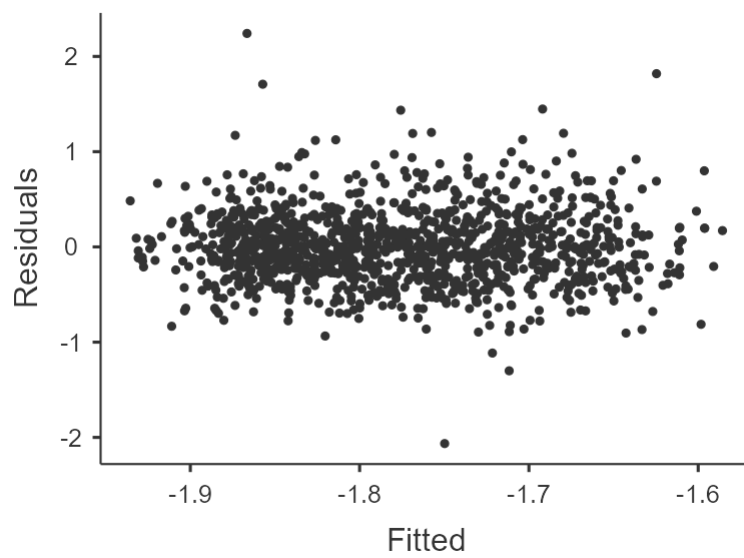
Normality Test (Shapiro-Wilk)

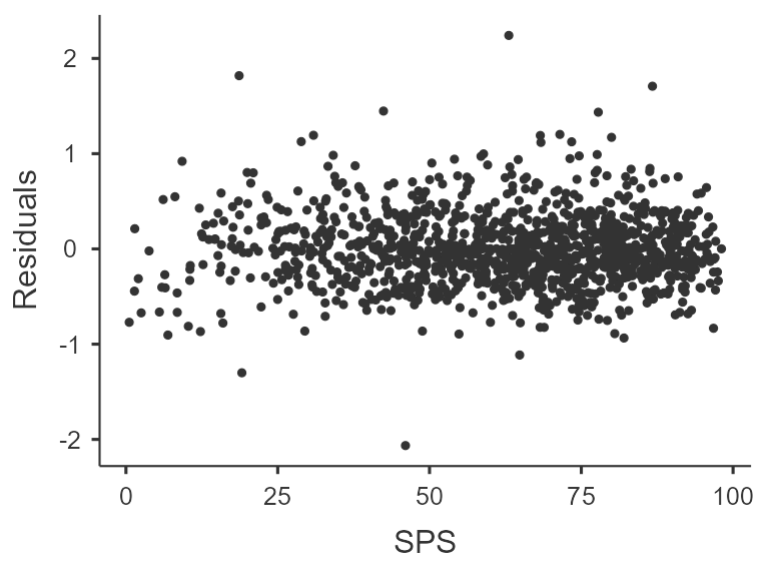
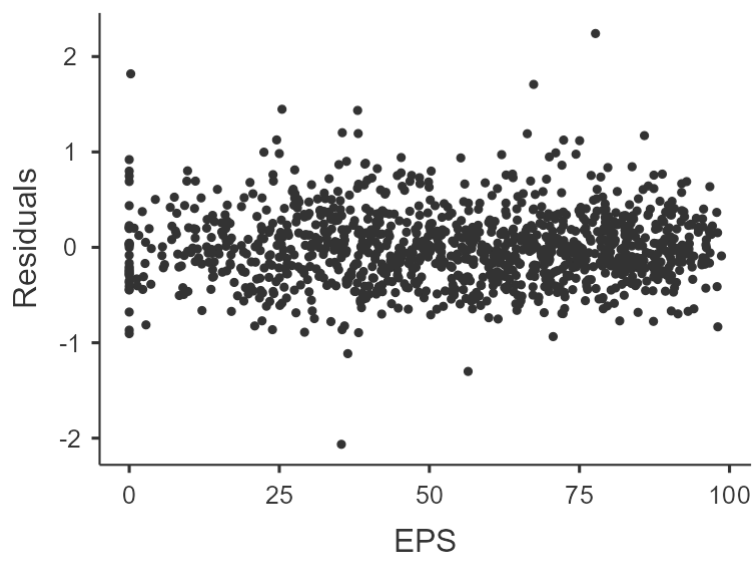
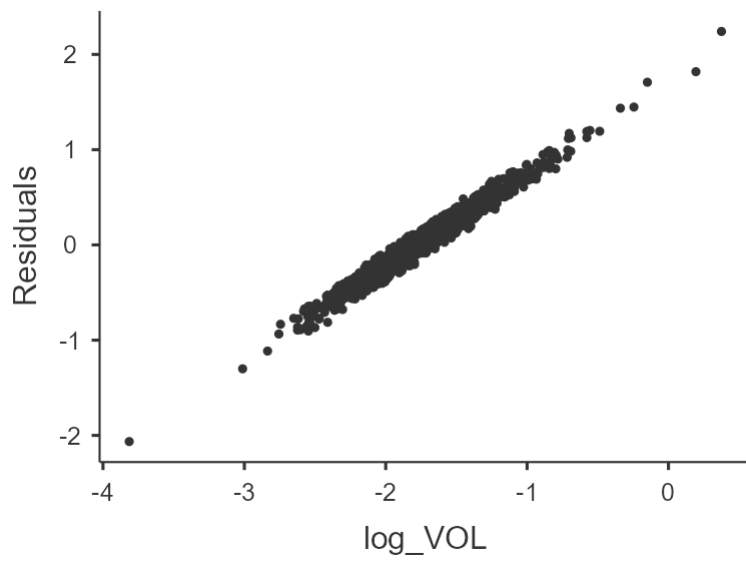
Statistic	p
0.97434	< .00001

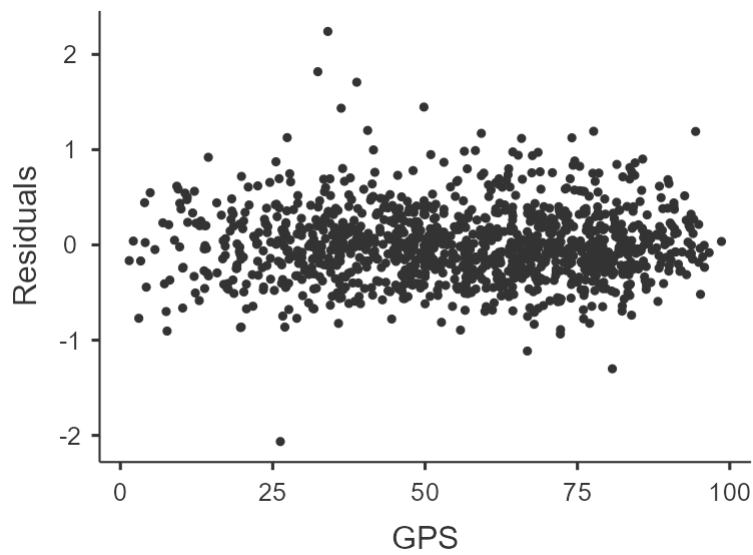
Q-Q Plot



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>.