

Results

Linear Regression

Model Fit Measures

Model	R	R ²	Overall Model Test			
			F	df1	df2	p
1	0.24297	0.05903	24.84415	3	1188	< .00001

Model Coefficients - log_VOL

Predictor	Estimate	SE	t	p
Intercept	-1.78046	0.03744	-47.55573	< .00001
EPS	-0.00291	0.00058	-4.98808	< .00001
SPS	-0.00108	0.00069	-1.54816	0.12185
GPS	0.00002	0.00054	0.03690	0.97057

Assumption Checks

Durbin–Watson Test for Autocorrelation

Autocorrelation	DW Statistic	p
0.03924	1.92105	0.16200

[3]

Collinearity Statistics

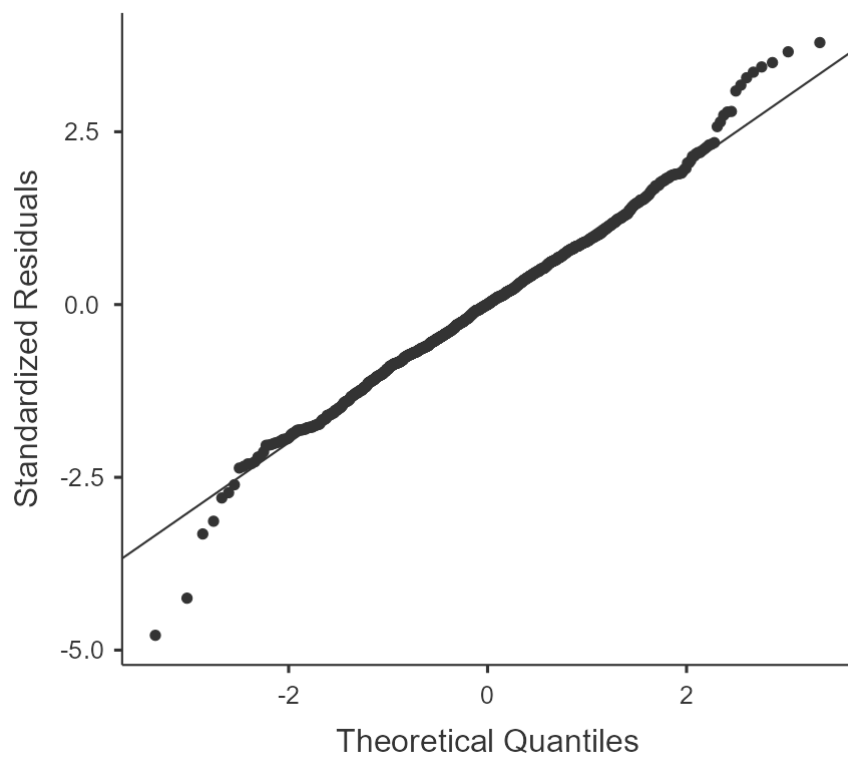
	VIF	Tolerance
EPS	1.96205	0.50967
SPS	2.00682	0.49830
GPS	1.22482	0.81645

[3]

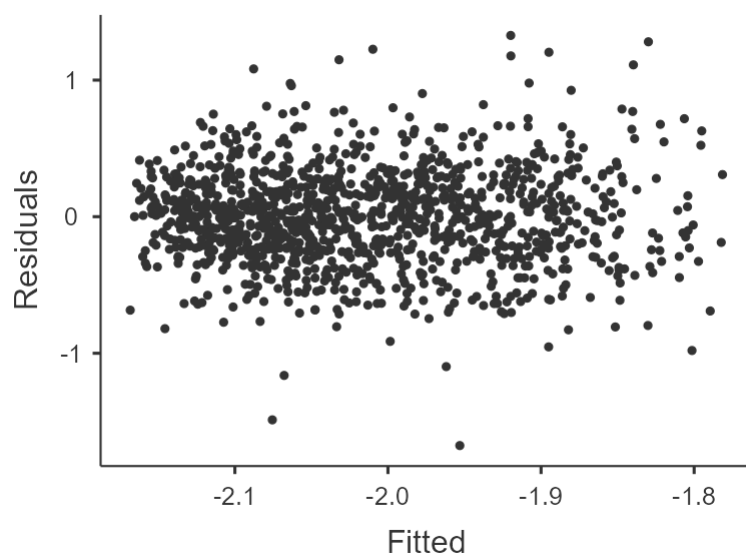
Normality Test (Shapiro-Wilk)

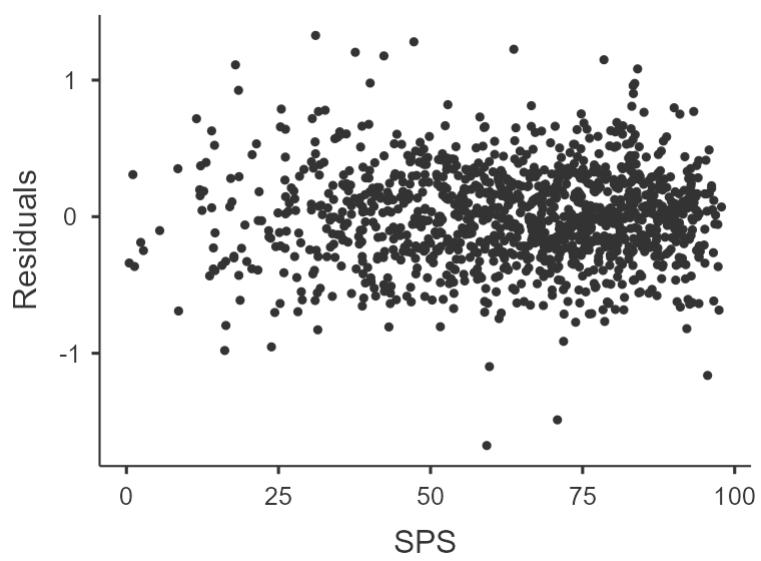
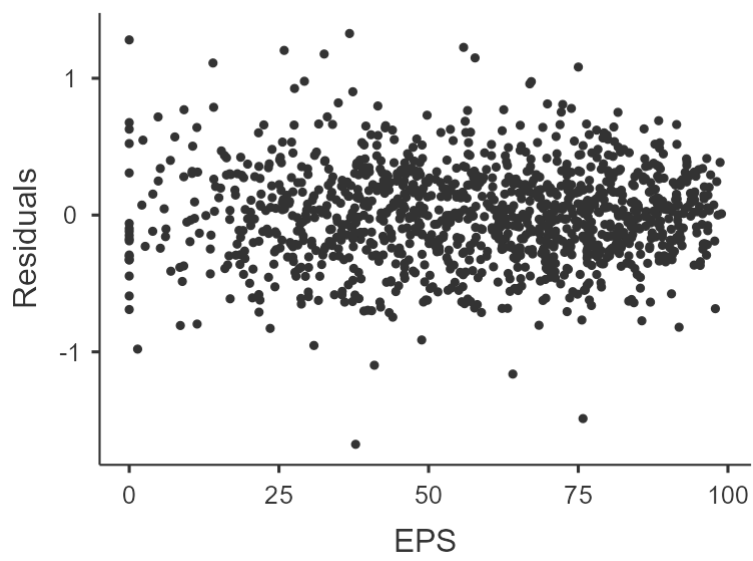
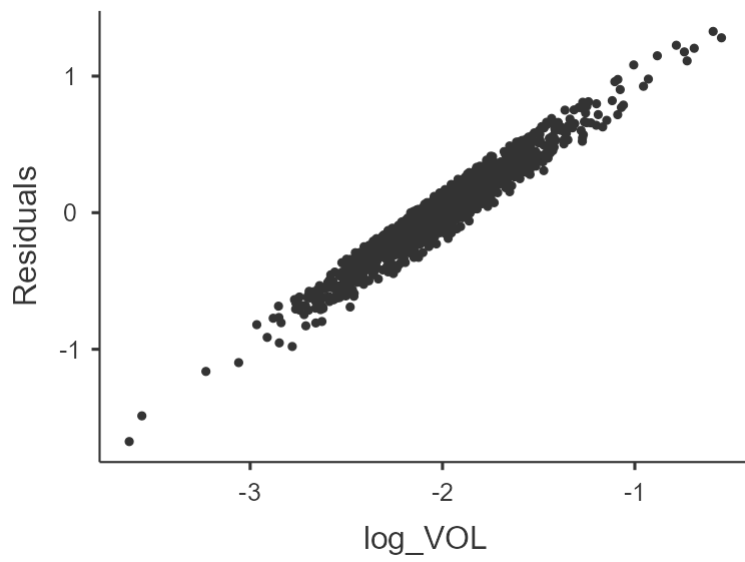
Statistic	p
0.99199	< .00001

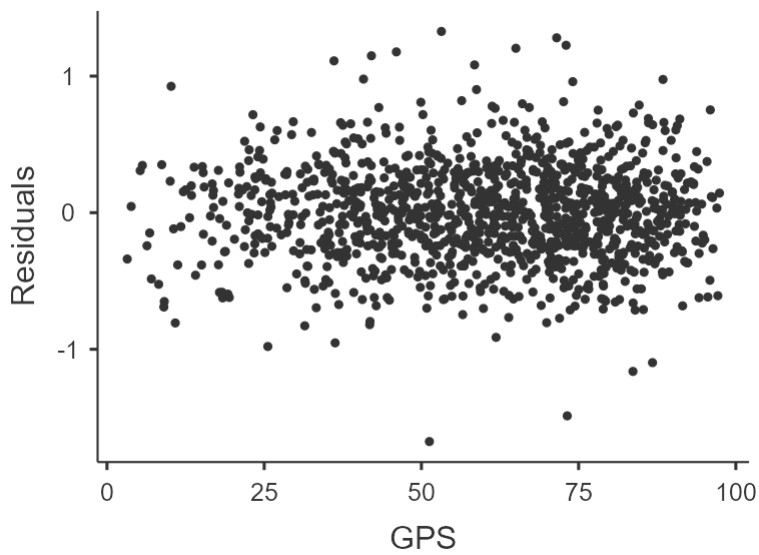
Q-Q Plot



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>.