Results

Linear Regression

Model Fit Measures

			Overall Model Test			
Model	**R**	**R^2**	**F**	**df1**	**df2**	**p**
1	0.20922	0.04377	18.12769	3	1188	< .00001

Model Coefficients - log_VOL

Predictor	**Estimate**	**SE**	**t**	**p**
Intercept	-1.78785	0.04289	-41.68149	< .00001
EPS	-0.00280	0.00065	-4.33402	0.00002
SPS	-0.00134	0.00074	-1.80281	0.07167
GPS	0.00053	0.00057	0.93191	0.35157

Assumption Checks

Durbin–Watson Test for Autocorrelation

Autocorrelation	**DW Statistic**	**p**
0.00705	1.98432	0.78800

[3]

Collinearity Statistics

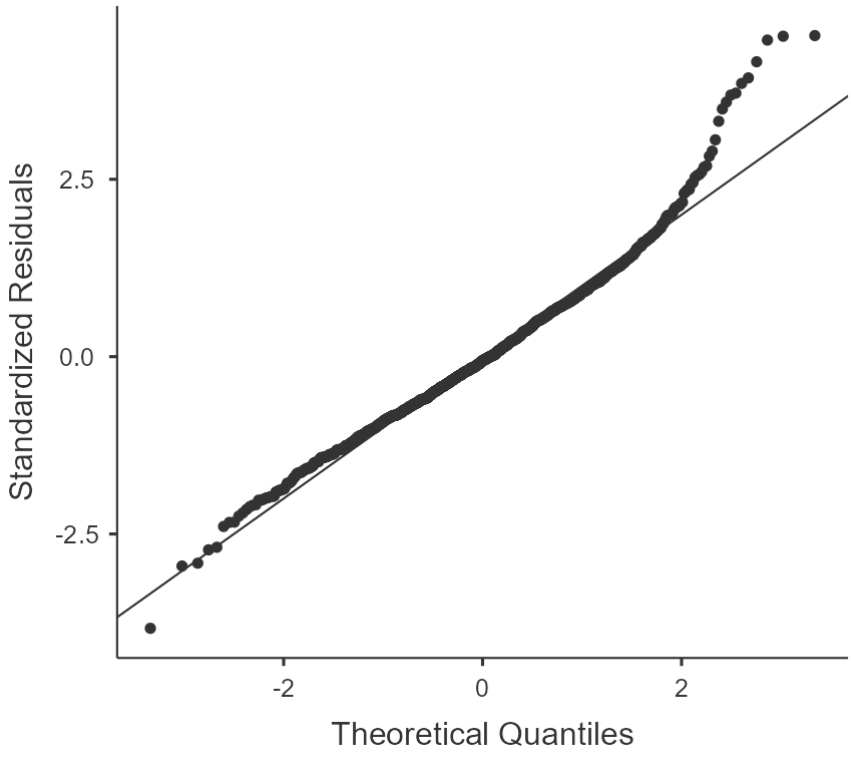
	VIF	**Tolerance**
EPS	1.82077	0.54922
SPS	1.84642	0.54159
GPS	1.17387	0.85188

[3]

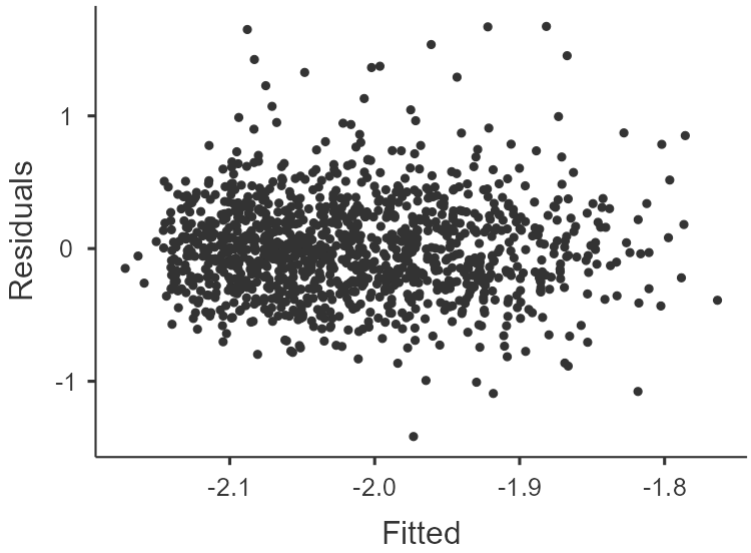
Normality Test (Shapiro-Wilk)

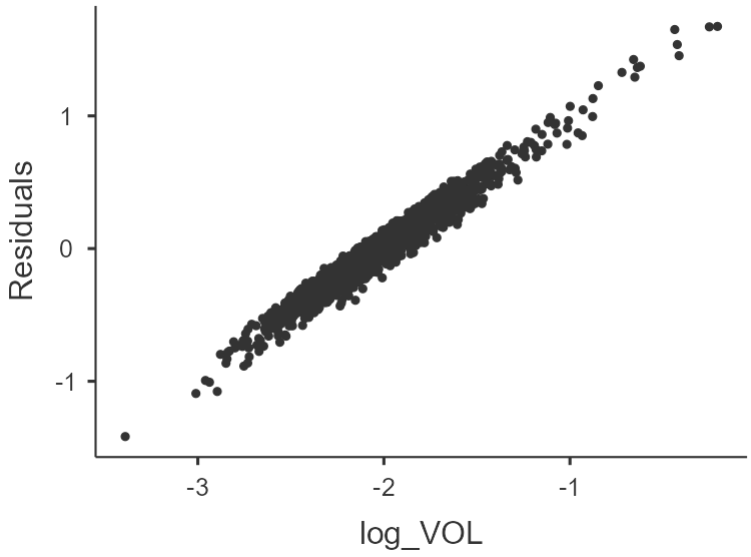
Statistic	**p**
0.97658	< .00001

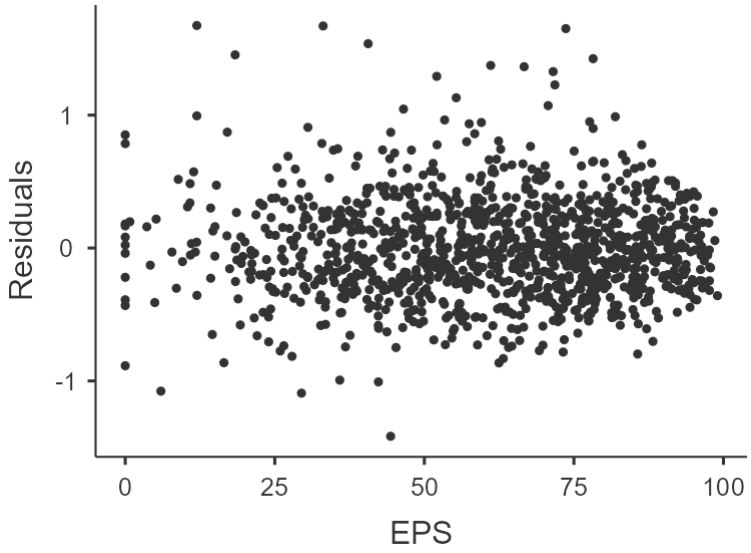
Q-Q Plot

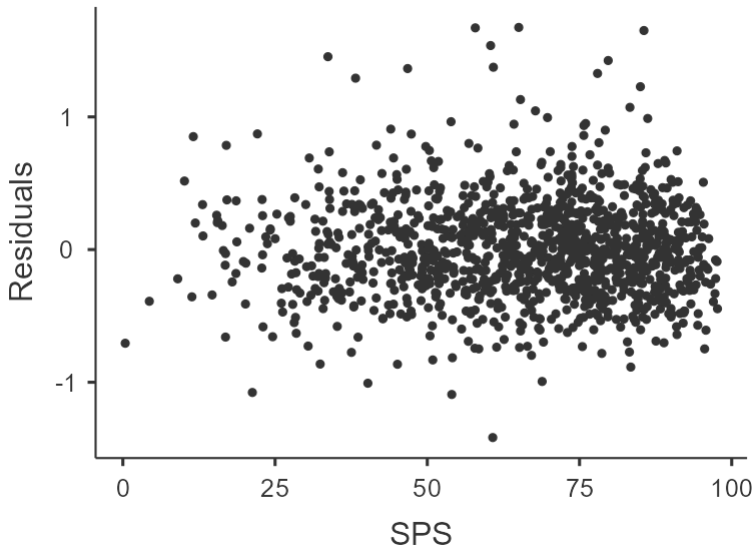


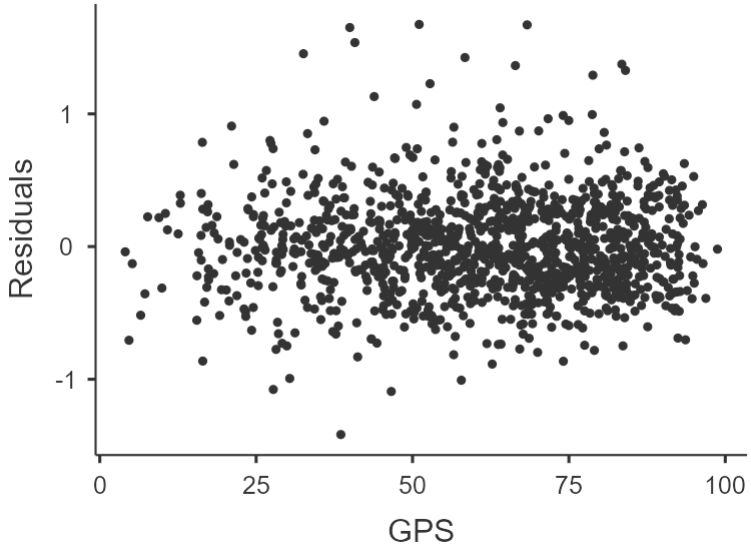
Residuals Plots




Residuals
1
0
-1
-3
-2
-1
log_VOL


Residuals
1
0
-1
0
25
50
75
100
EPS


Residuals
1
0
-1
0
25
50
75
100
SPS



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[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.