Results

Linear Regression

Model Fit Measures

			Overall Model Test			
Model	**R**	**R^2**	**F**	**df1**	**df2**	**p**
1	0.19916	0.03967	16.35664	3	1188	< .00001

Model Coefficients - log_VOL

Predictor	**Estimate**	**SE**	**t**	**p**
Intercept	-1.66260	0.04226	-39.34536	< .00001
EPS	-0.00175	0.00064	-2.75361	0.00598
SPS	-0.00246	0.00073	-3.36311	0.00080
GPS	0.00123	0.00056	2.19269	0.02852

Assumption Checks

Durbin–Watson Test for Autocorrelation

Autocorrelation	**DW Statistic**	**p**
0.02873	1.94236	0.32000

[3]

Collinearity Statistics

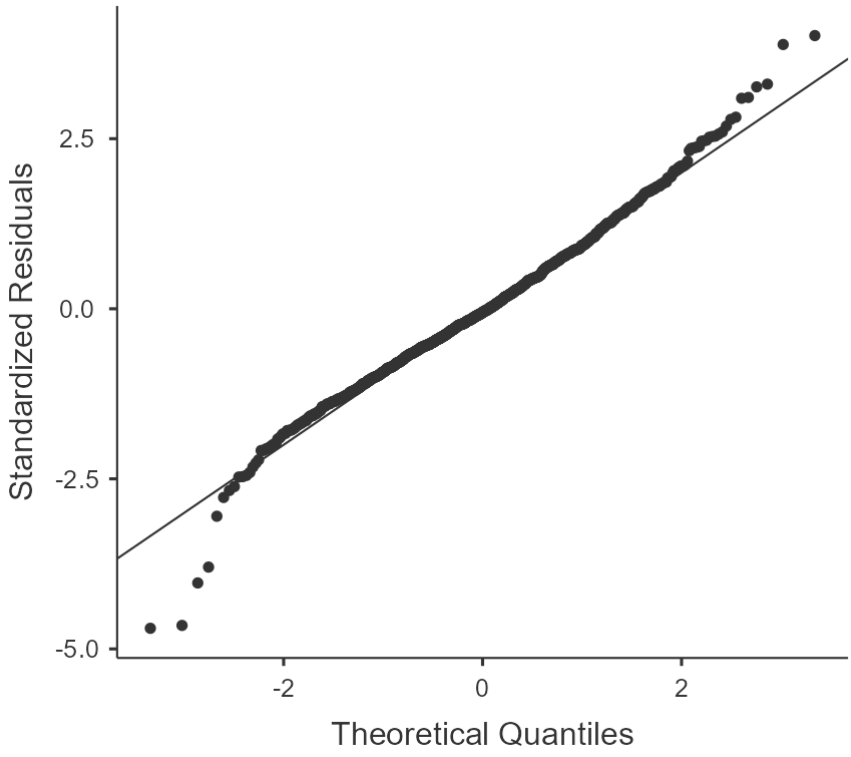
	VIF	**Tolerance**
EPS	1.81945	0.54962
SPS	1.84640	0.54159
GPS	1.17124	0.85380

[3]

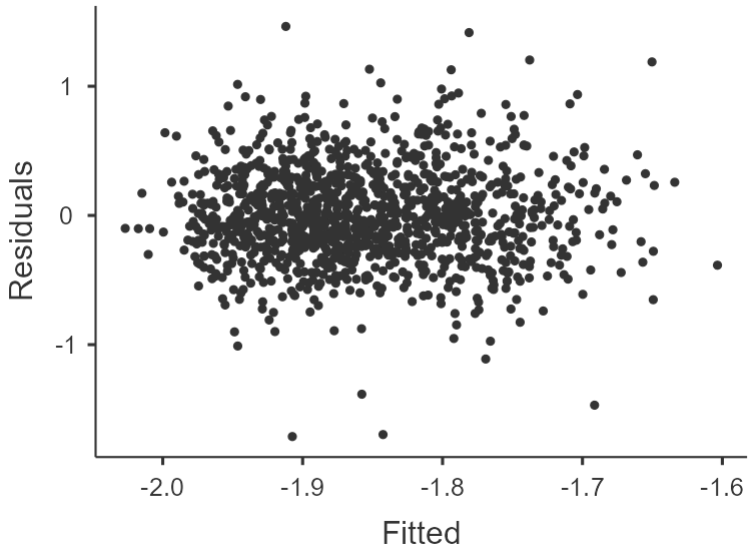
Normality Test (Shapiro-Wilk)

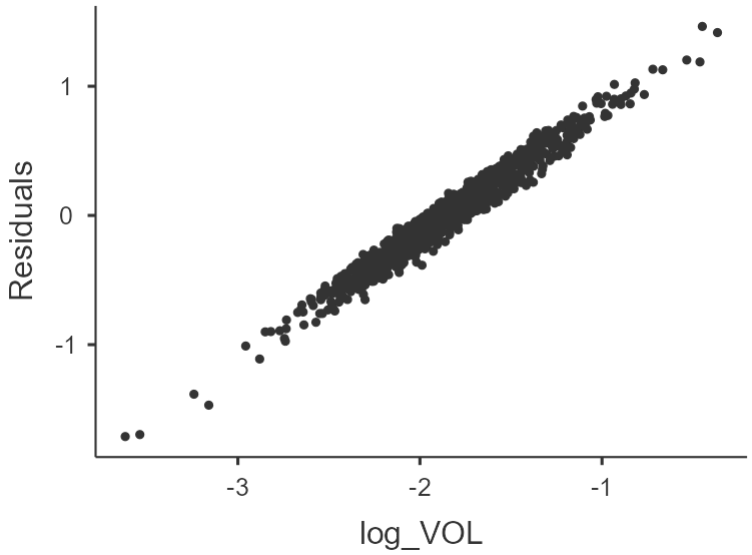
Statistic	**p**
0.98791	< .00001

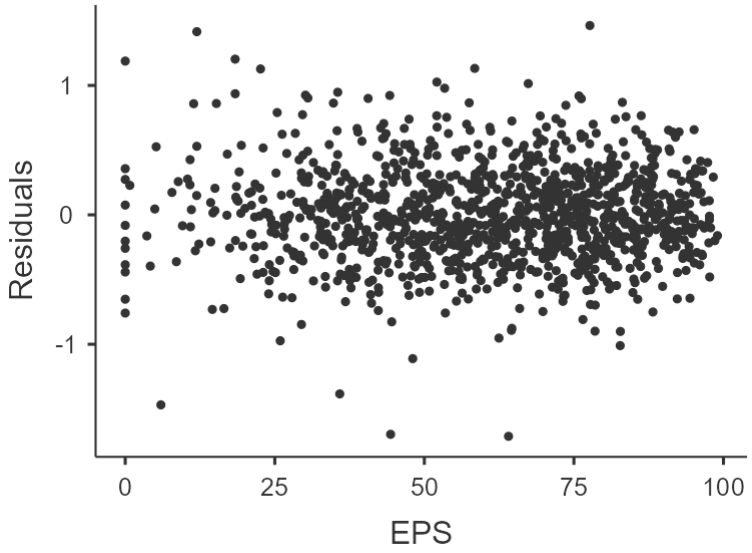
Q-Q Plot

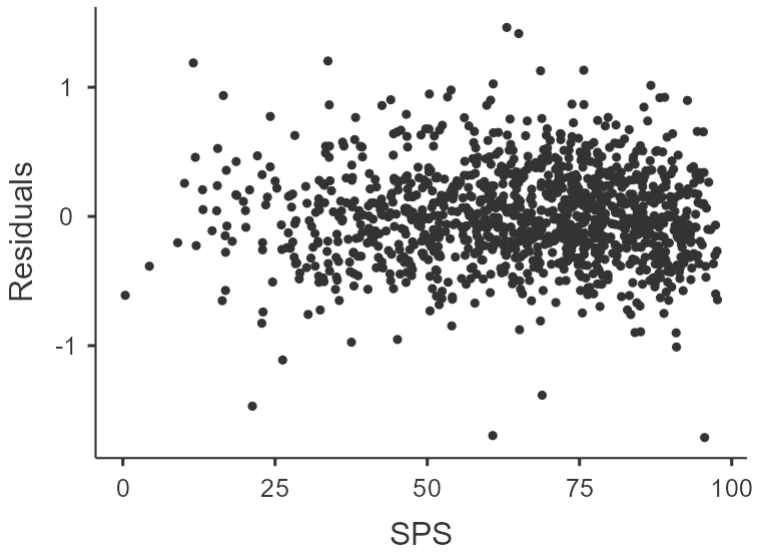


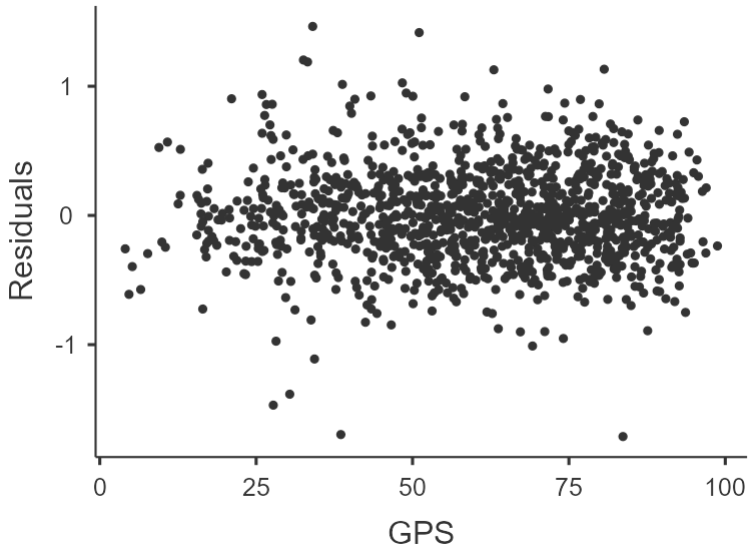
Residuals Plots




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).

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