Results

Linear Regression

Model Fit Measures

			Overall Model Test			
Model	**R**	**R^2**	**F**	**df1**	**df2**	**p**
1	0.18744	0.03513	14.44395	3	1190	< .00001

Model Coefficients - log_VOL

Predictor	**Estimate**	**SE**	**t**	**p**
Intercept	-1.69618	0.03893	-43.56595	< .00001
EPS	-0.00250	0.00060	-4.14373	0.00004
SPS	-0.00043	0.00072	-0.60163	0.54753
GPS	-0.00020	0.00056	-0.35884	0.71978

Assumption Checks

Durbin–Watson Test for Autocorrelation

Autocorrelation	**DW Statistic**	**p**
0.04852	1.90261	0.08200

[3]

Collinearity Statistics

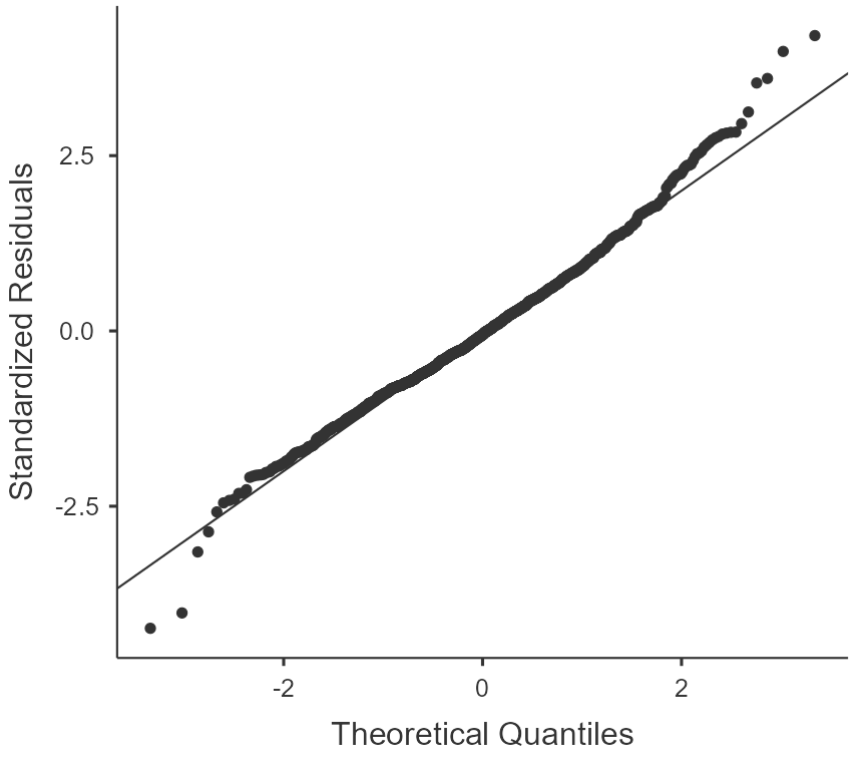
	VIF	**Tolerance**
EPS	1.95789	0.51075
SPS	2.00398	0.49901
GPS	1.22080	0.81913

[3]

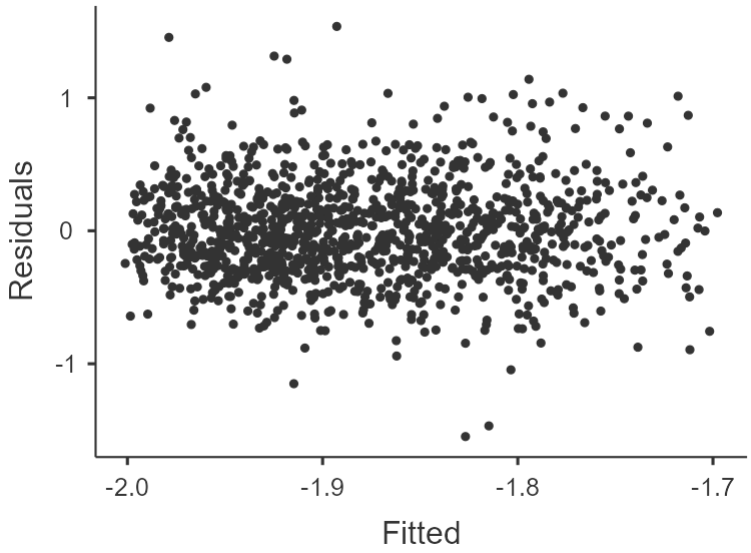
Normality Test (Shapiro-Wilk)

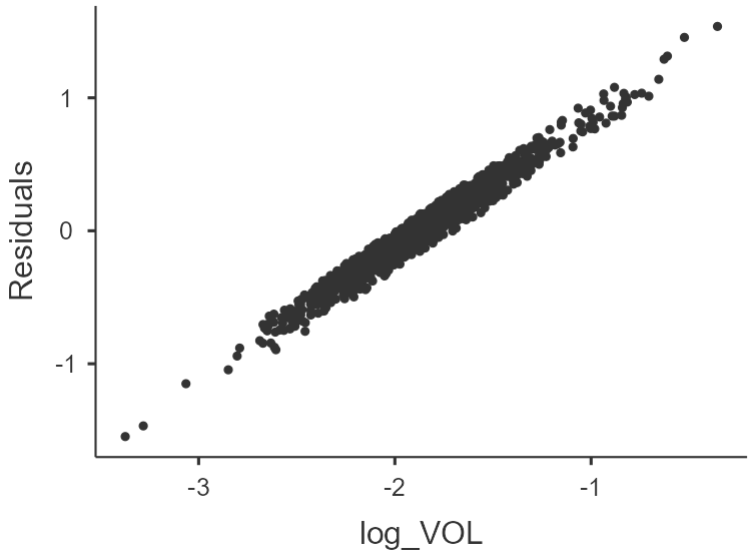
Statistic	**p**
0.98912	< .00001

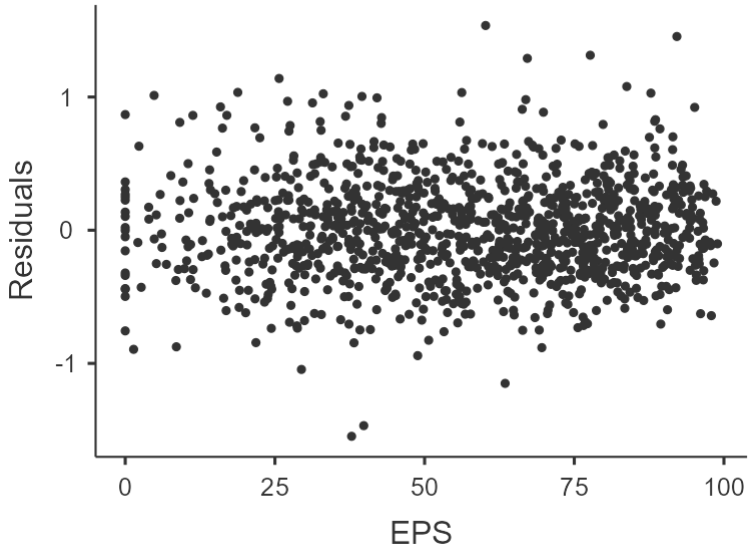
Q-Q Plot

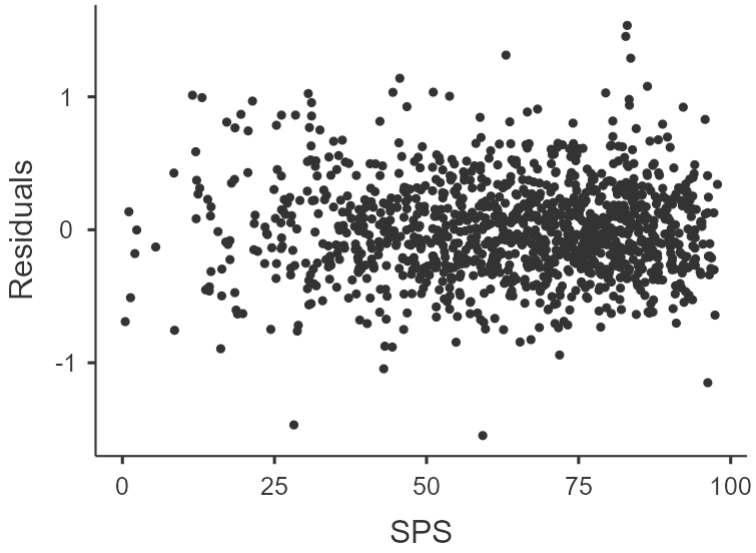


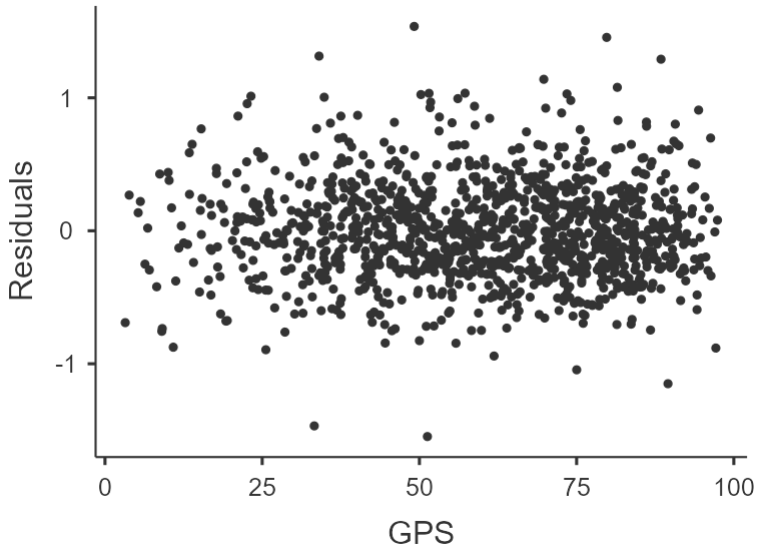
Residuals Plots




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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