Results

Linear Regression

Model Fit Measures

			Overall Model Test			
Model	**R**	**R^2**	**F**	**df1**	**df2**	**p**
1	0.09885	0.00977	3.91426	3	1190	0.00852

Model Coefficients - SR

Predictor	**Estimate**	**SE**	**t**	**p**
Intercept	0.76998	0.08751	8.79864	< .00001
EPS	0.00350	0.00153	2.28076	0.02274
SPS	0.00070	0.00186	0.37726	0.70605
GPS	-0.00119	0.00144	-0.82440	0.40988

Assumption Checks

Durbin–Watson Test for Autocorrelation

Autocorrelation	**DW Statistic**	**p**
-0.00662	2.01234	0.83200

[3]

Collinearity Statistics

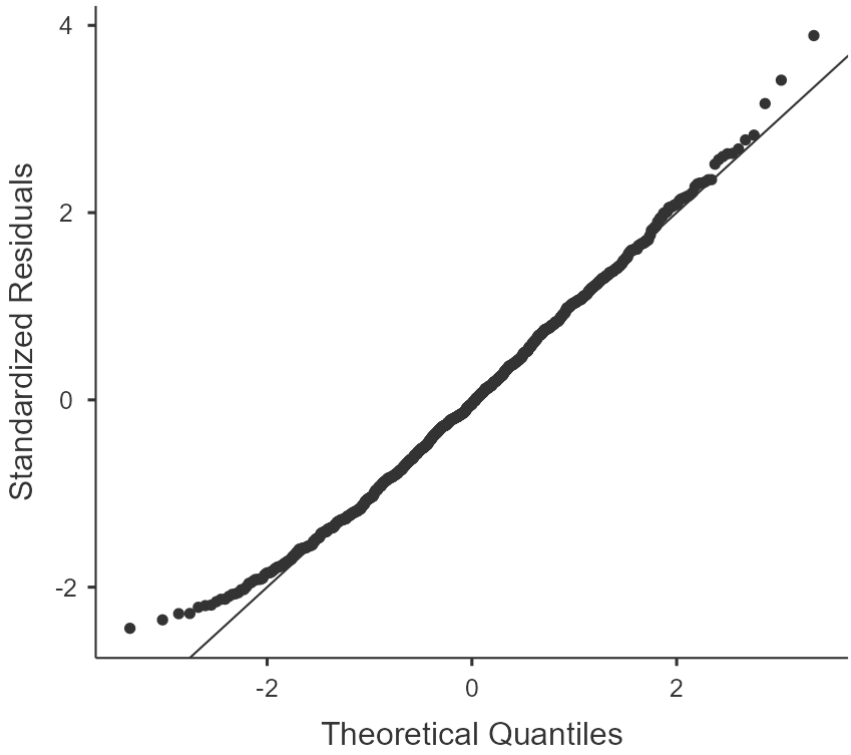
	VIF	**Tolerance**
EPS	2.15270	0.46453
SPS	2.16746	0.46137
GPS	1.31461	0.76068

[3]

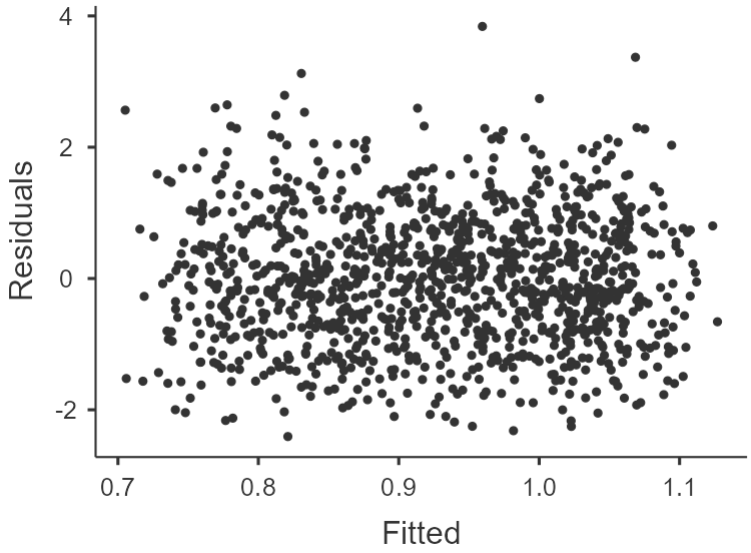
Normality Test (Shapiro-Wilk)

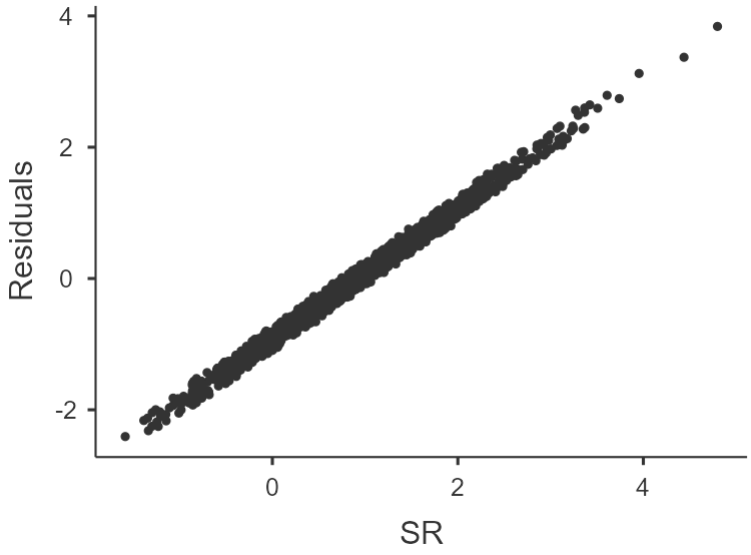
Statistic	**p**
0.99521	0.00079

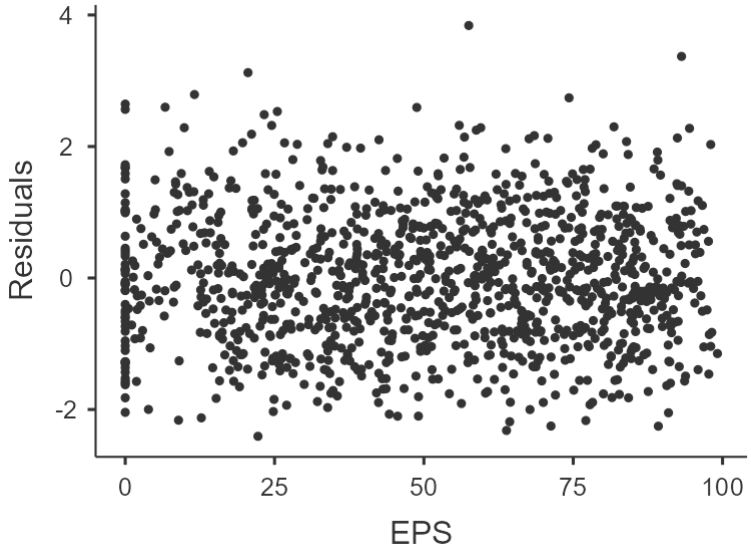
Q-Q Plot

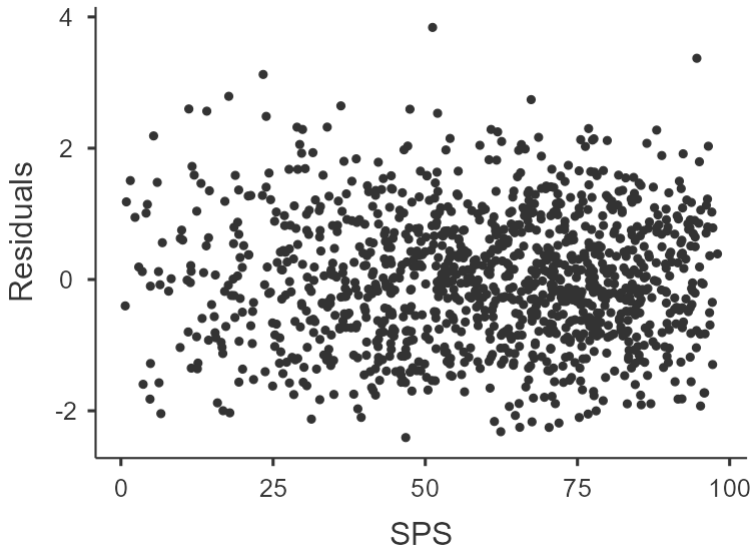


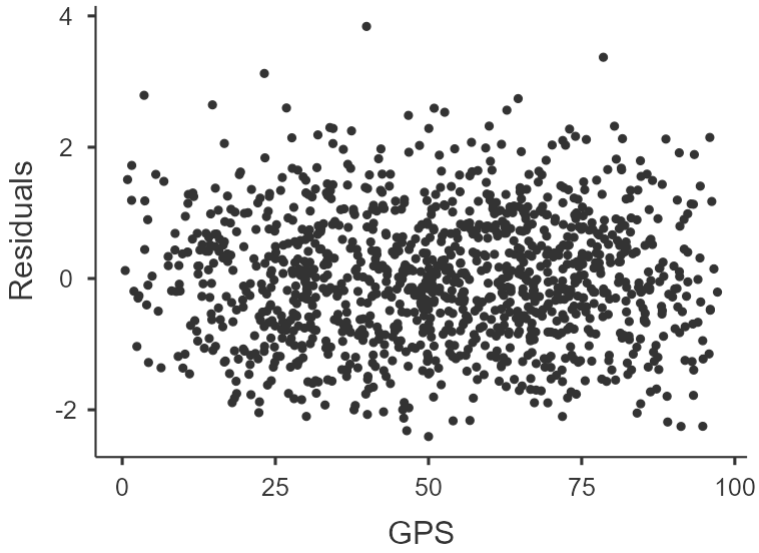
Residuals Plots




Residuals
4
2
0
-2
0
2
4
SR


Residuals
4
2
0
-2
0
25
50
75
100
EPS


Residuals
4
2
0
-2
0
25
50
75
100
SPS



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.