Results

Linear Regression

Model Fit Measures

			Overall Model Test			
Model	**R**	**R^2**	**F**	**df1**	**df2**	**p**
1	0.13211	0.01745	7.04602	3	1190	0.00011

Model Coefficients - SR

Predictor	**Estimate**	**SE**	**t**	**p**
Intercept	0.11716	0.09625	1.21720	0.22377
EPS	0.00546	0.00148	3.69303	0.00023
SPS	-0.00038	0.00176	-0.21750	0.82786
GPS	-0.00161	0.00135	-1.19390	0.23276

Assumption Checks

Durbin–Watson Test for Autocorrelation

Autocorrelation	**DW Statistic**	**p**
-0.01443	2.02802	0.60400

[3]

Collinearity Statistics

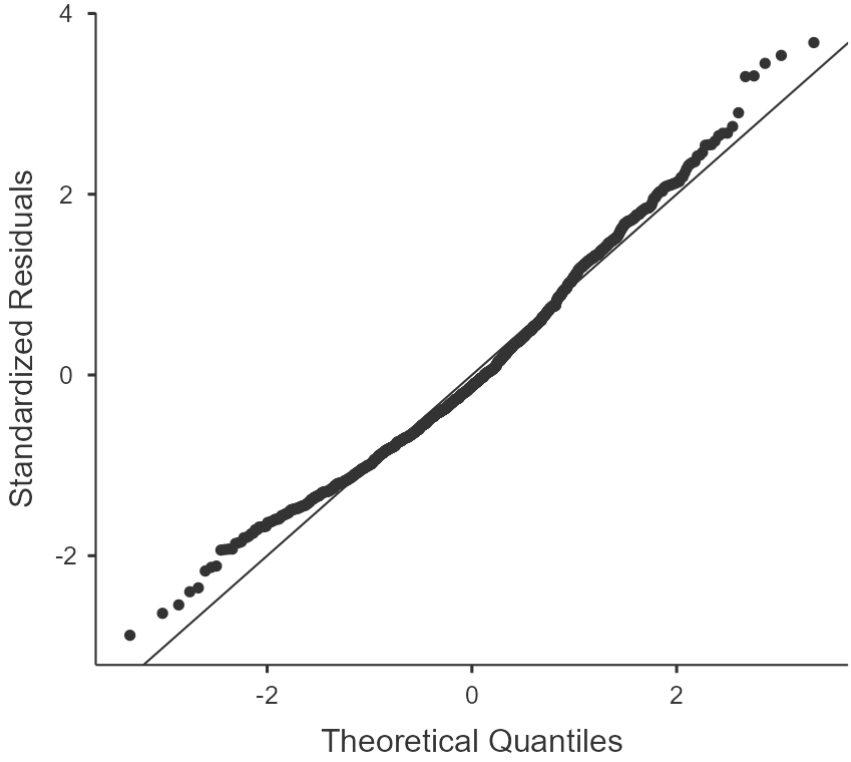
	VIF	**Tolerance**
EPS	1.91835	0.52128
SPS	1.96949	0.50774
GPS	1.22047	0.81936

[3]

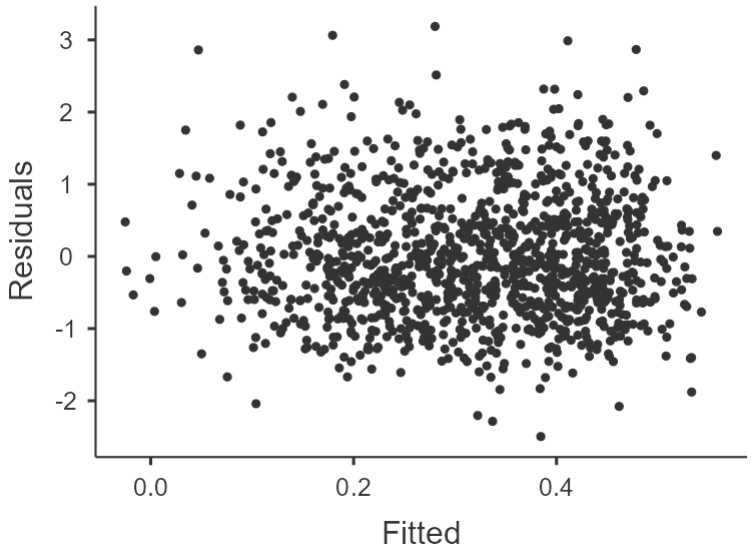
Normality Test (Shapiro-Wilk)

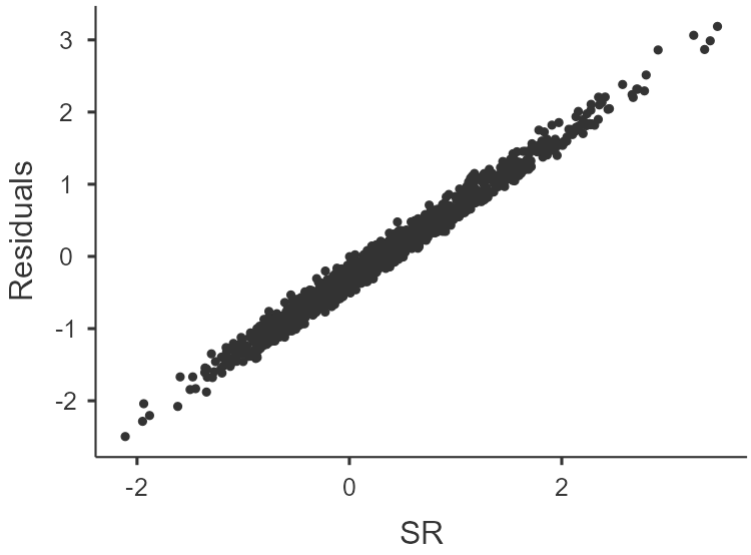
Statistic	**p**
0.98334	< .00001

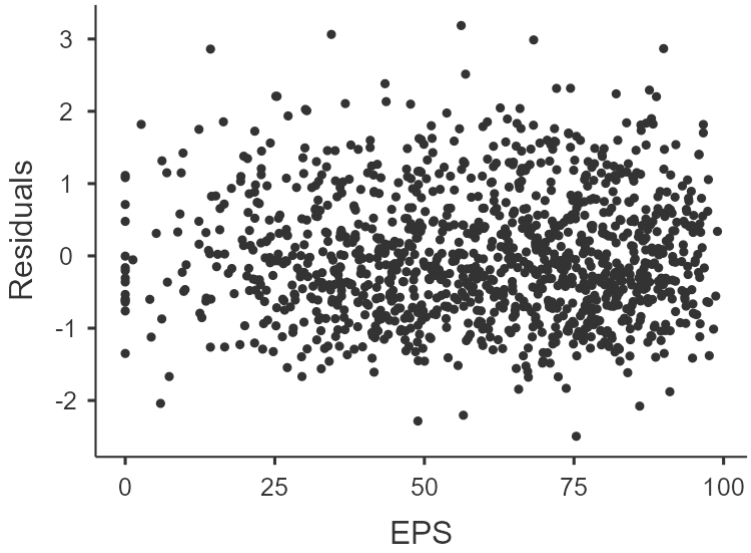
Q-Q Plot

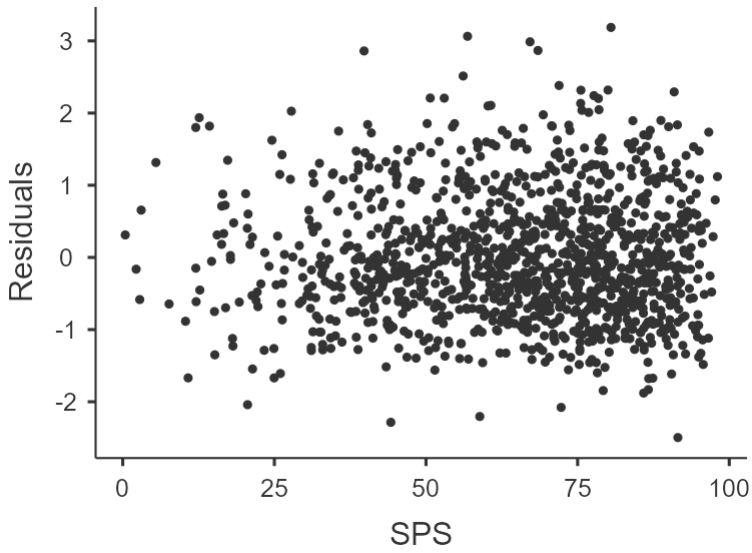


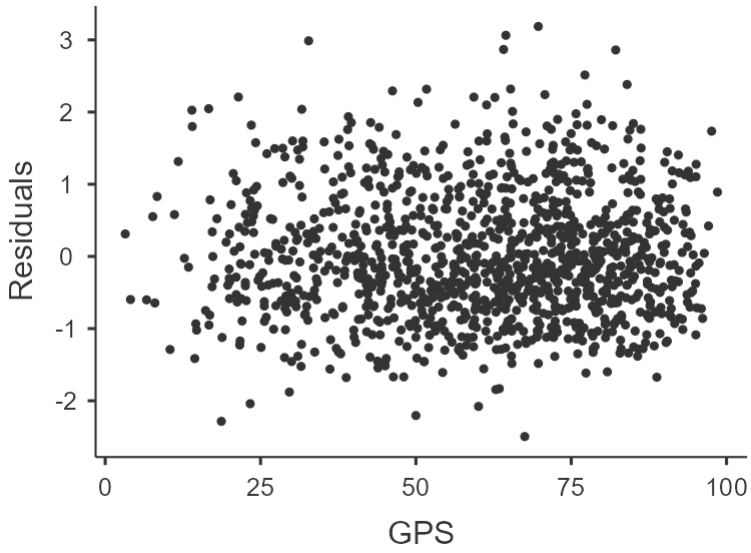
Residuals Plots




Residuals
3
2
1
0
-1
-2
-2
0
2
SR


Residuals
3
2
1
0
-1
-2
0
25
50
75
100
EPS


Residuals
3
2
1
0
-1
-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.