Results

Linear Regression

Model Fit Measures

			Overall Model Test			
Model	**R**	**R^2**	**F**	**df1**	**df2**	**p**
1	0.01525	0.00023	0.09230	3	1190	0.96430

Model Coefficients - SR

Predictor	**Estimate**	**SE**	**t**	**p**
Intercept	0.73915	0.08935	8.27261	< .00001
EPS	-0.00075	0.00149	-0.50300	0.61506
SPS	0.00054	0.00181	0.29718	0.76638
GPS	0.00033	0.00140	0.23293	0.81586

Assumption Checks

Durbin–Watson Test for Autocorrelation

Autocorrelation	**DW Statistic**	**p**
-0.00061	1.99844	0.97200

[3]

Collinearity Statistics

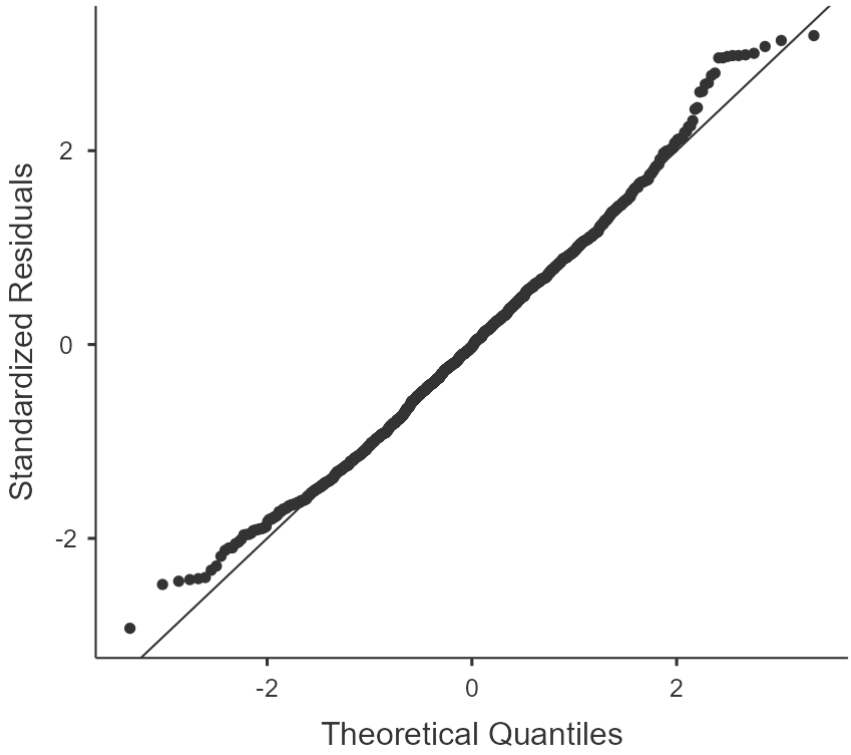
	VIF	**Tolerance**
EPS	2.09423	0.47750
SPS	2.14179	0.46690
GPS	1.27494	0.78435

[3]

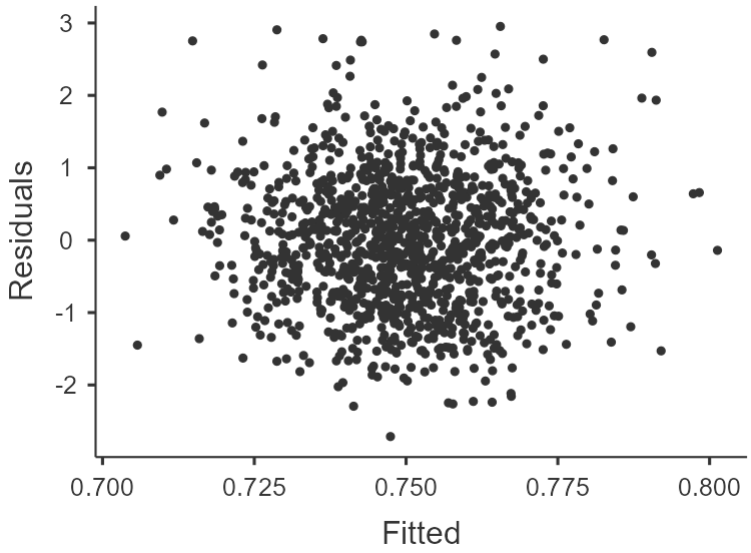
Normality Test (Shapiro-Wilk)

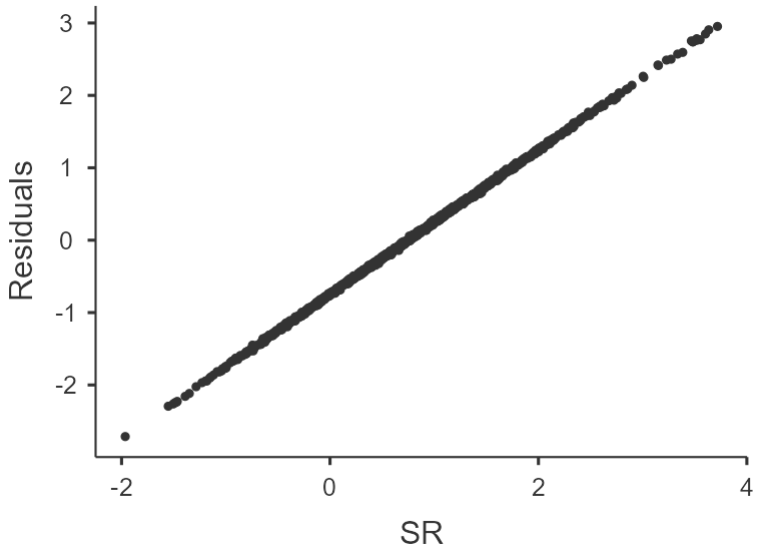
Statistic	**p**
0.99503	0.00057

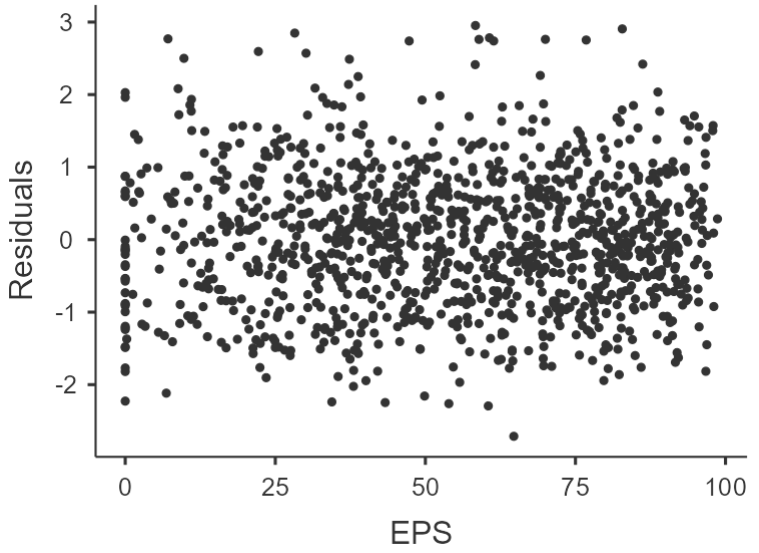
Q-Q Plot

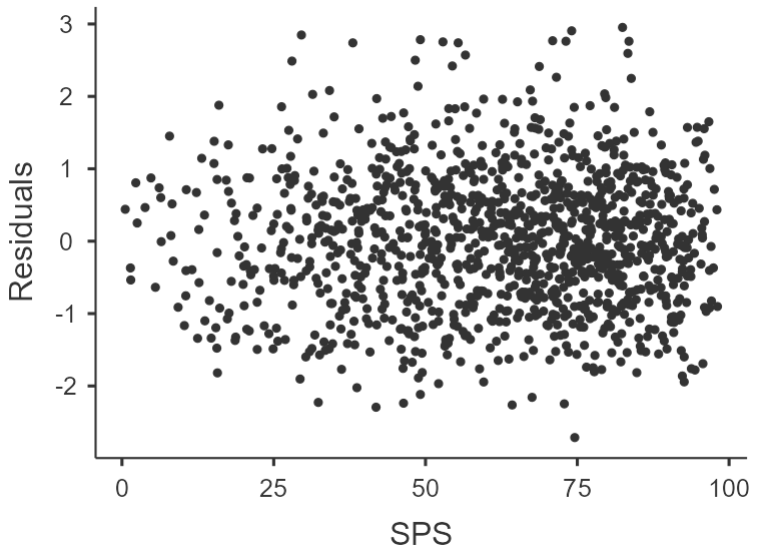


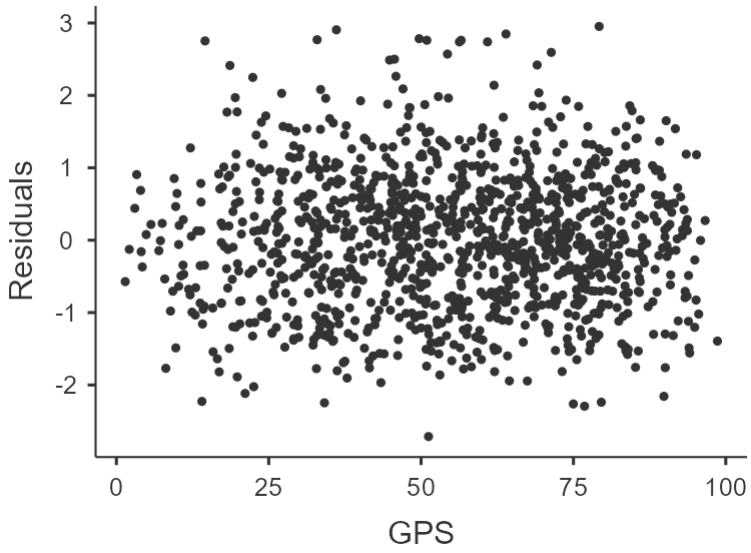
Residuals Plots




Residuals
3
2
1
0
-1
-2
-2
0
2
4
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.