Results

Linear Regression

Model Fit Measures

			Overall Model Test			
Model	**R**	**R^2**	**F**	**df1**	**df2**	**p**
1	0.10185	0.01037	4.15418	3	1189	0.00612

Model Coefficients - SR

Predictor	**Estimate**	**SE**	**t**	**p**
Intercept	0.02506	0.10884	0.23026	0.81793
EPS	0.00330	0.00156	2.11720	0.03445
SPS	-0.00047	0.00183	-0.26016	0.79478
GPS	0.00231	0.00137	1.68369	0.09250

Assumption Checks

Durbin–Watson Test for Autocorrelation

Autocorrelation	**DW Statistic**	**p**
0.03809	1.92338	0.19000

[3]

Collinearity Statistics

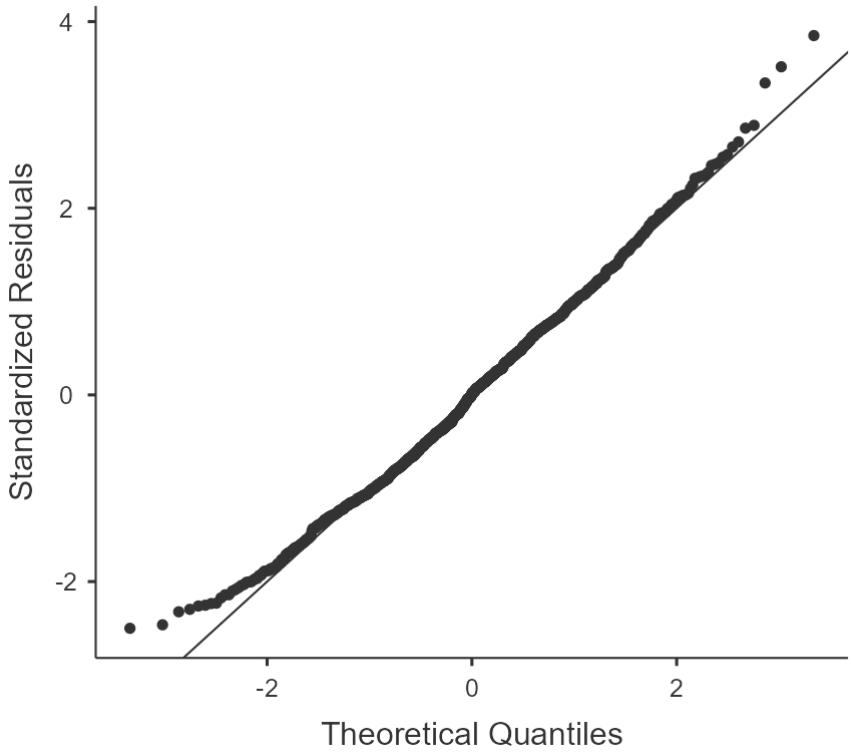
	VIF	**Tolerance**
EPS	1.73668	0.57581
SPS	1.75474	0.56989
GPS	1.12933	0.88548

[3]

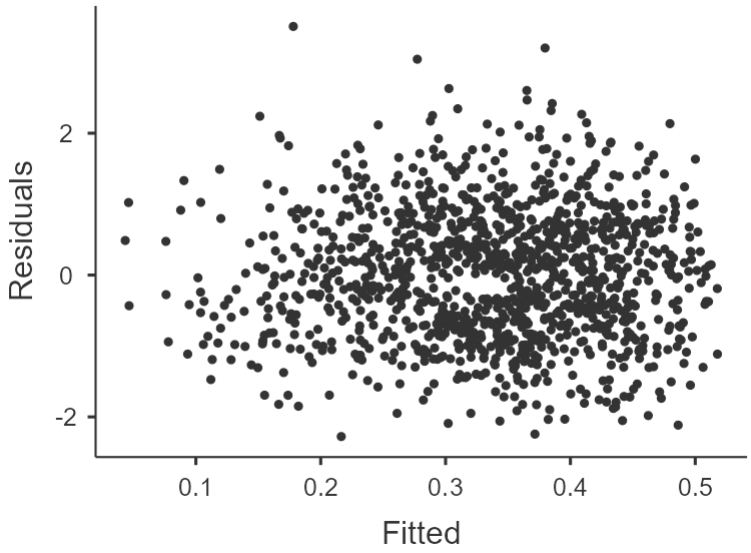
Normality Test (Shapiro-Wilk)

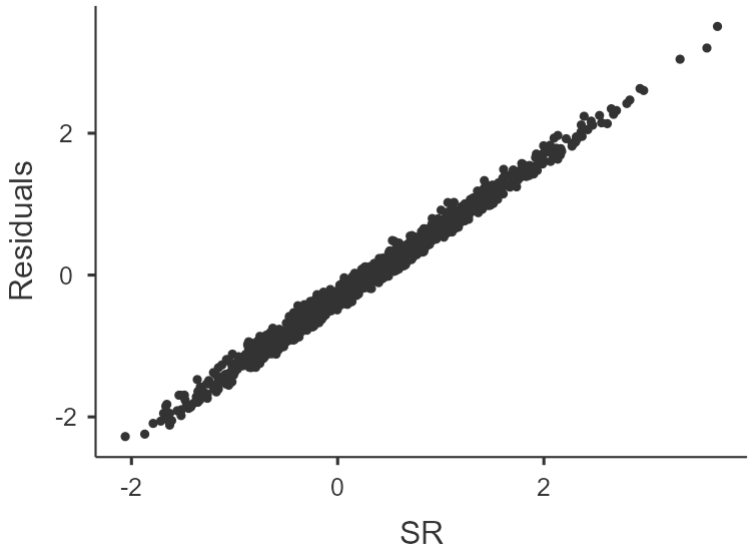
Statistic	**p**
0.99459	0.00027

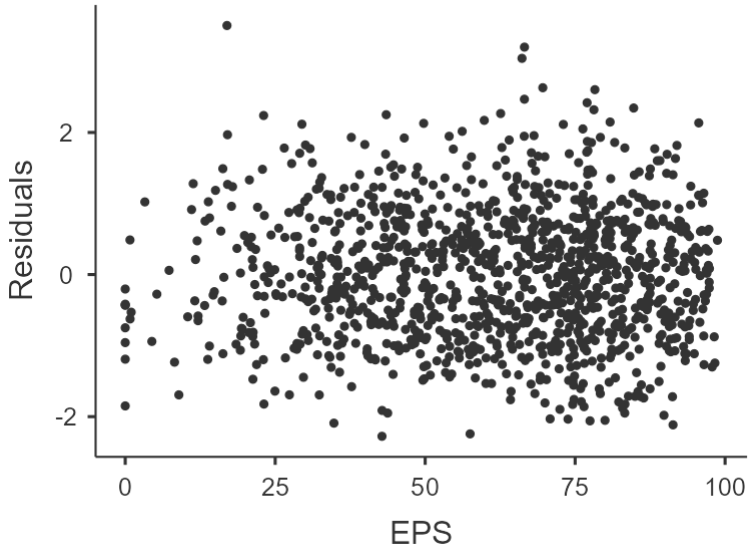
Q-Q Plot

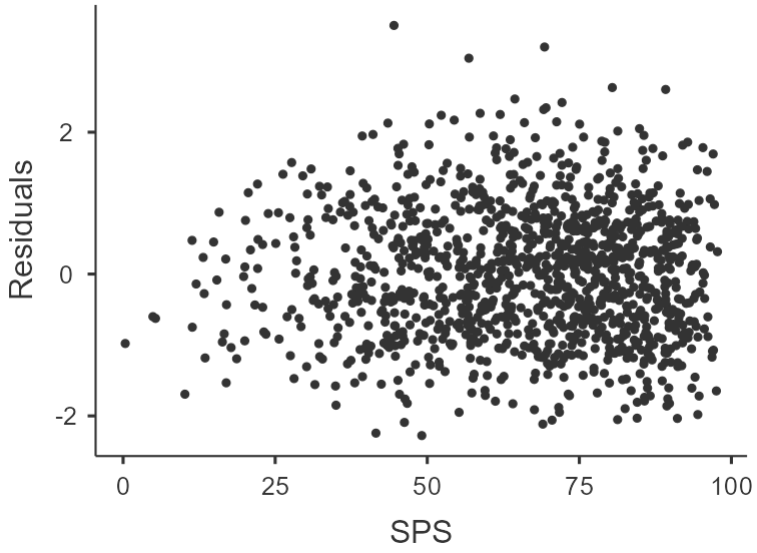


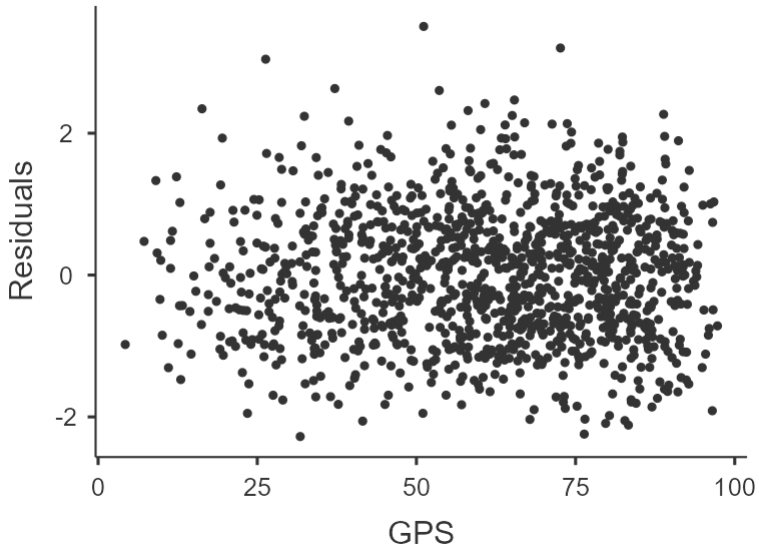
Residuals Plots




Residuals
2
0
-2
-2
0
2
SR


Residuals
2
0
-2
0
25
50
75
100
EPS


Residuals
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.