Results

Linear Regression

Model Fit Measures

			Overall Model Test			
Model	**R**	**R^2**	**F**	**df1**	**df2**	**p**
1	0.09100	0.00828	3.30976	3	1189	0.01951

Model Coefficients - SR

Predictor	**Estimate**	**SE**	**t**	**p**
Intercept	-0.23186	0.08789	-2.63799	0.00845
EPS	0.00263	0.00134	1.96638	0.04949
SPS	0.00002	0.00159	0.01038	0.99172
GPS	-0.00321	0.00122	-2.61873	0.00894

Assumption Checks

Durbin–Watson Test for Autocorrelation

Autocorrelation	**DW Statistic**	**p**
-0.02240	2.04253	0.43800

[3]

Collinearity Statistics

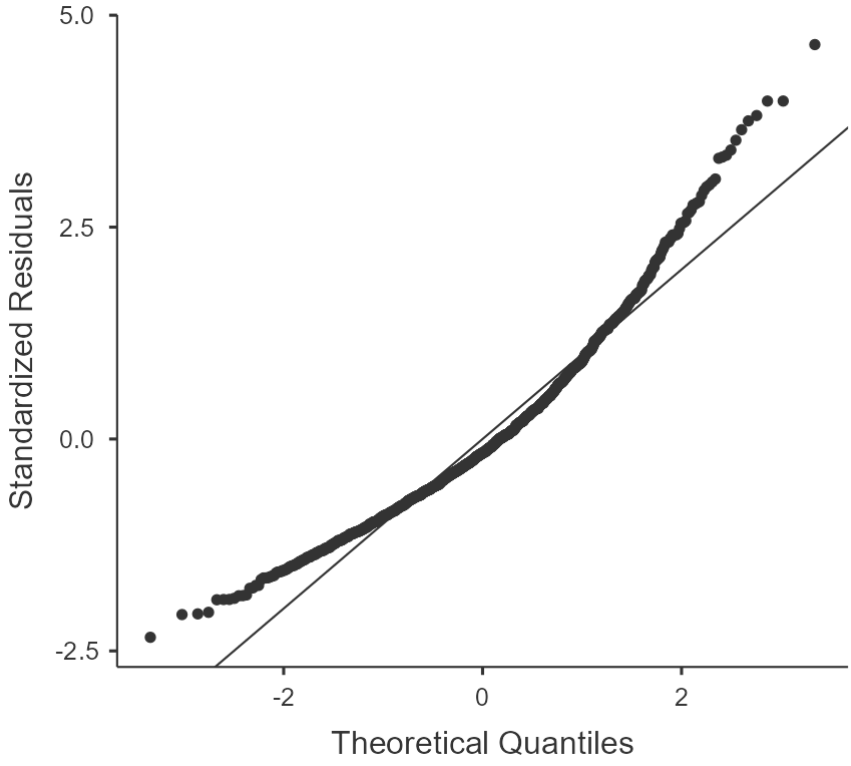
	VIF	**Tolerance**
EPS	1.88944	0.52926
SPS	1.94310	0.51464
GPS	1.21305	0.82437

[3]

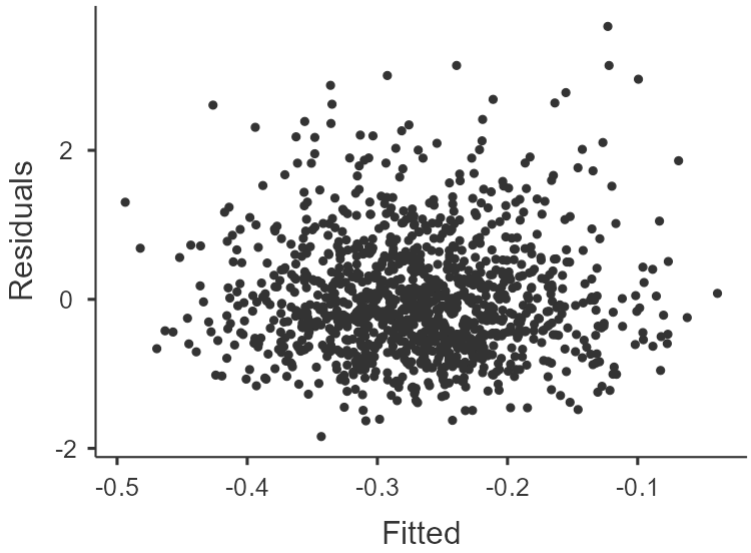
Normality Test (Shapiro-Wilk)

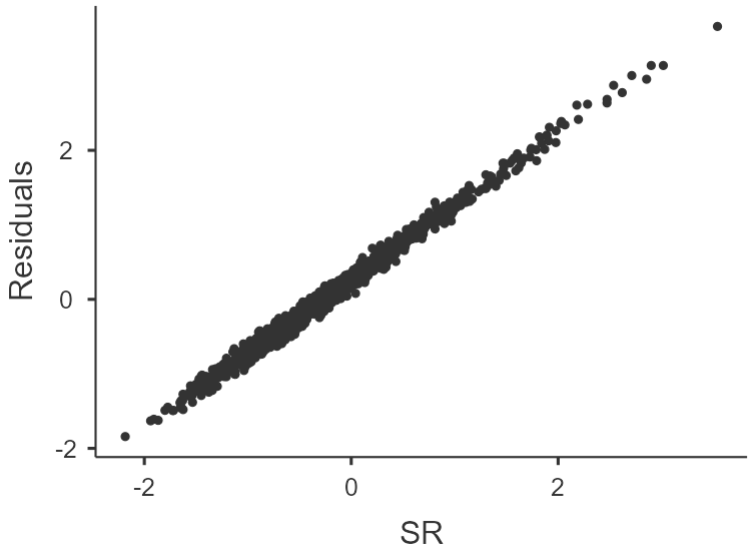
Statistic	**p**
0.95118	< .00001

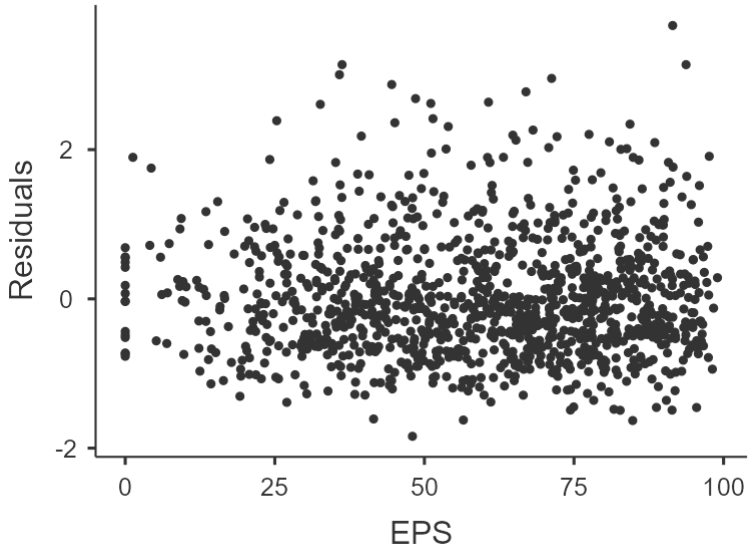
Q-Q Plot

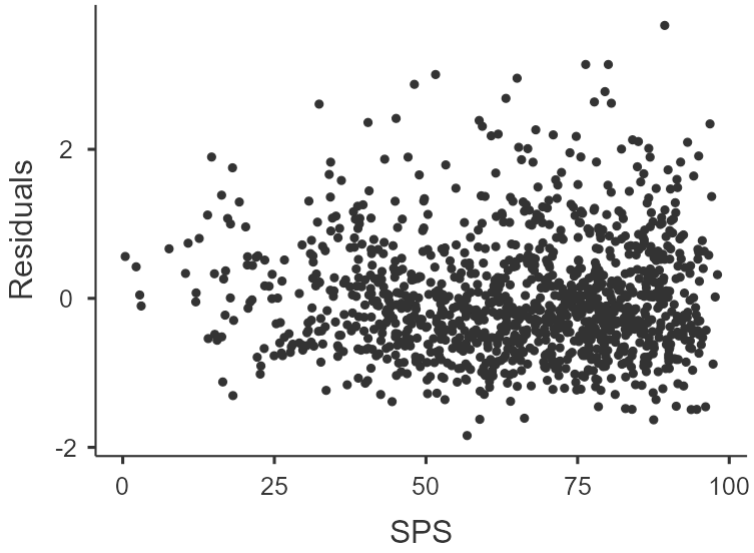


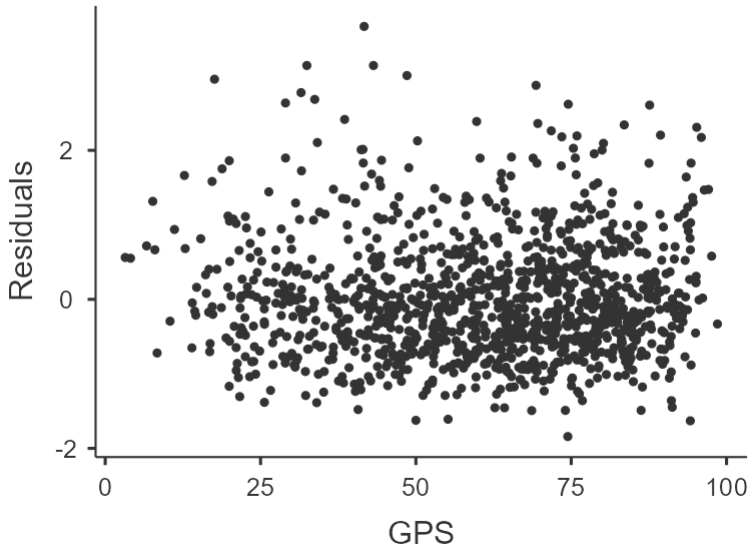
Residuals Plots




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.

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[3] Fox, J., & Weisberg, S. (2020). *car: Companion to Applied Regression*. [R package]. Retrieved from https://cran.r-project.org/package=car.