Results

Linear Regression

Model Fit Measures

			Overall Model Test			
Model	**R**	**R^2**	**F**	**df1**	**df2**	**p**
1	0.05507	0.00303	1.20461	3	1188	0.30679

Model Coefficients - RD

Predictor	Estimate	SE	t	p
Intercept	0.01758	0.01394	1.26106	0.20754
EPS	0.00024	0.00022	1.10982	0.26730
SPS	-0.00016	0.00026	-0.60584	0.54474
GPS	-0.00032	0.00020	-1.60980	0.10771

Assumption Checks

Durbin–Watson Test for Autocorrelation

Autocorrelation	DW Statistic	p
0.00514	1.98944	0.85000

[3]

Collinearity Statistics

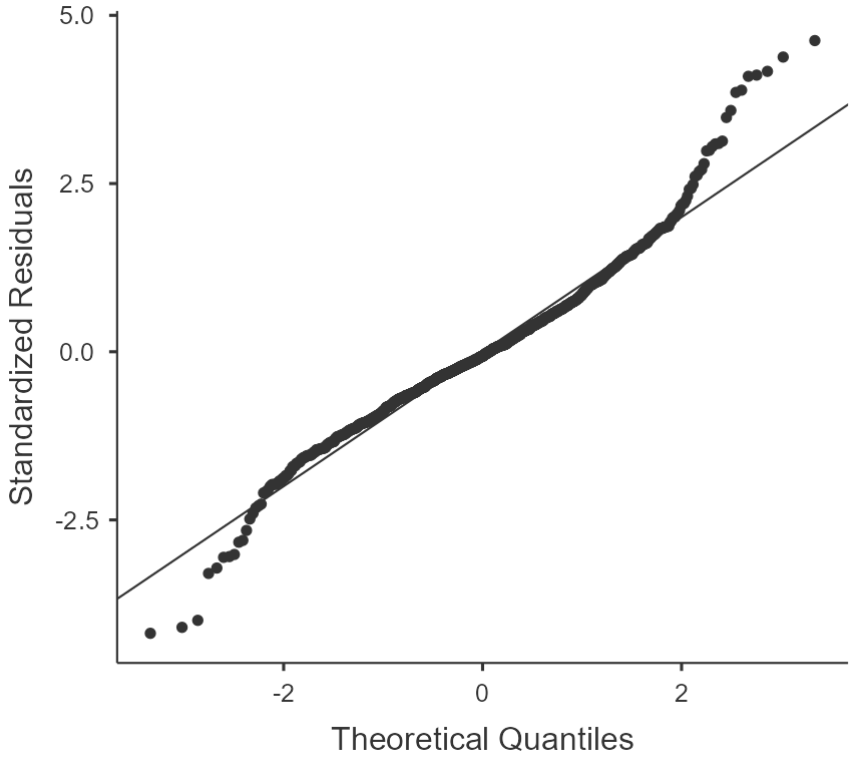
	VIF	Tolerance
EPS	1.94957	0.51293
SPS	1.99470	0.50133
GPS	1.22182	0.81845

[3]

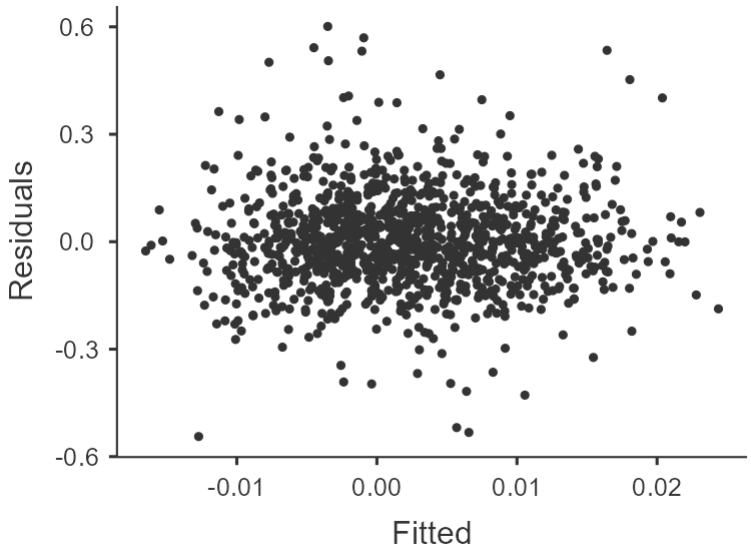
Normality Test (Shapiro-Wilk)

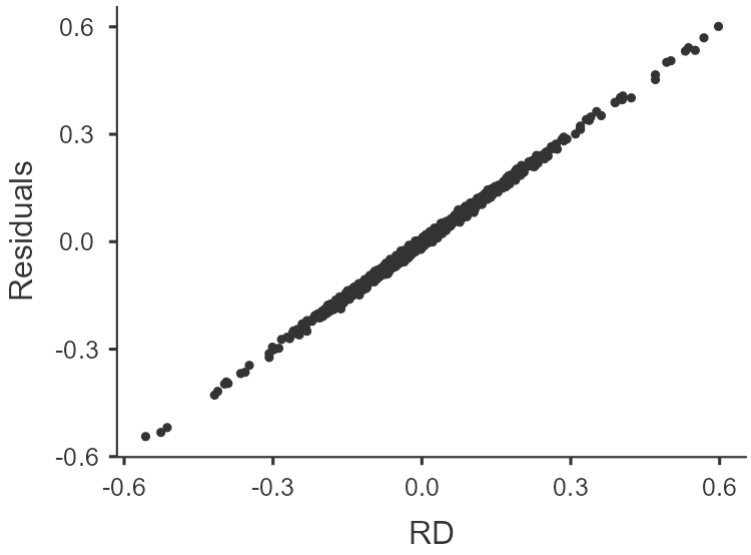
Statistic	p
0.96848	< .00001

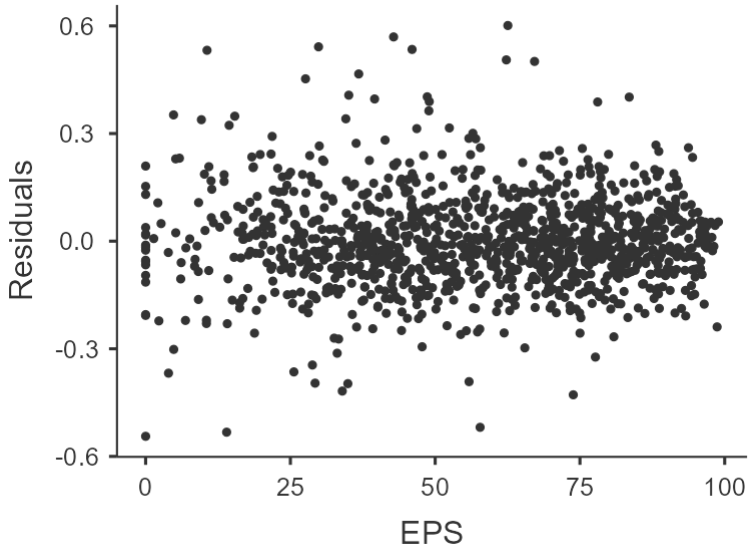
Q-Q Plot

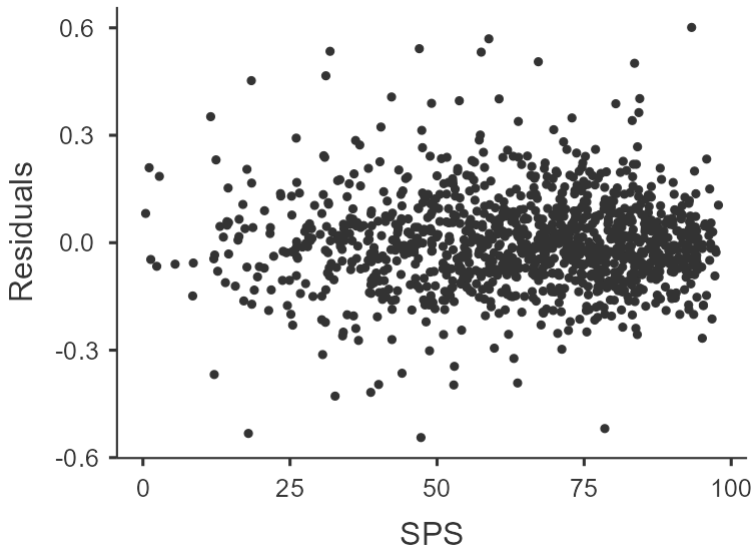


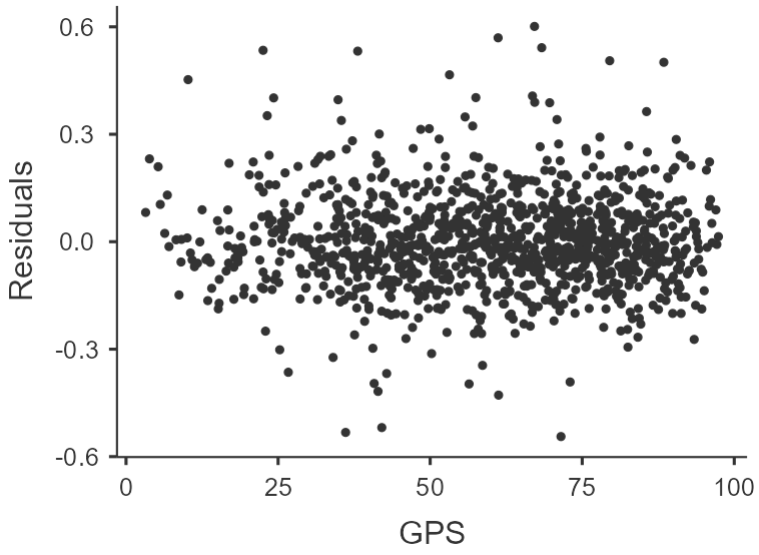
Residuals Plots




Residuals
0.6
0.3
0.0
-0.3
-0.6
-0.6
-0.3
0.0
0.3
0.6
RD


Residuals
0.6
0.3
0.0
-0.3
-0.6
0
25
50
75
100
EPS


Residuals
0.6
0.3
0.0
-0.3
-0.6
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.