Results

Linear Regression

Model Fit Measures

			Overall Model Test			
Model	**R**	**R^2**	**F**	**df1**	**df2**	**p**
1	0.07669	0.00588	2.33487	3	1184	0.07232

Model Coefficients - RD

Predictor	**Estimate**	**SE**	**t**	**p**
Intercept	-0.12831	0.01647	-7.78836	< .00001
EPS	0.00025	0.00025	1.01610	0.30979
SPS	-0.00001	0.00030	-0.04173	0.96672
GPS	0.00038	0.00023	1.67685	0.09383

Assumption Checks

Durbin–Watson Test for Autocorrelation

Autocorrelation	**DW Statistic**	**p**
0.05236	1.89523	0.06800

[3]

Collinearity Statistics

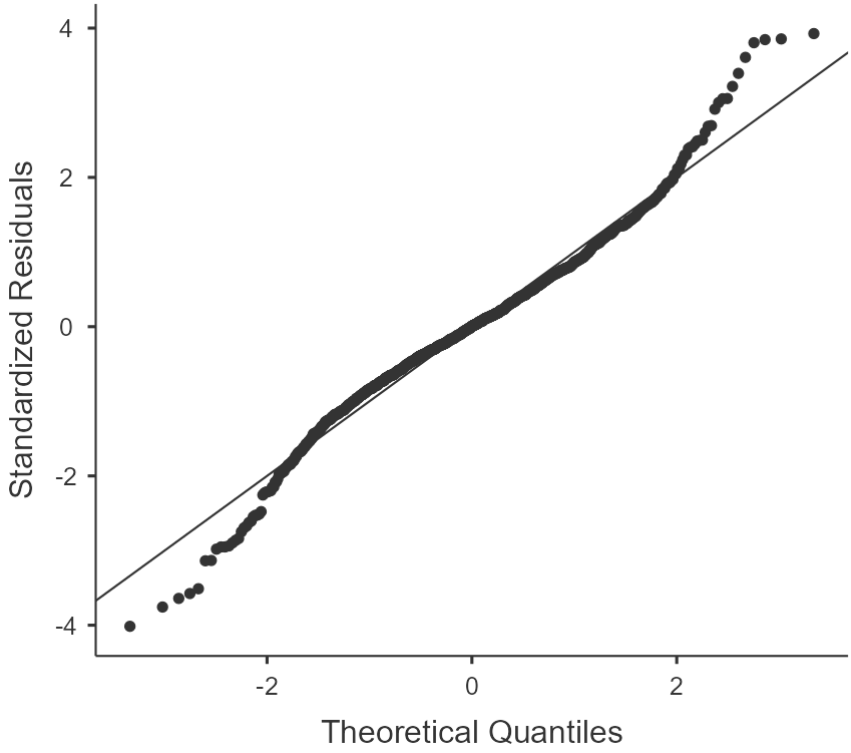
	VIF	**Tolerance**
EPS	1.87626	0.53297
SPS	1.91787	0.52141
GPS	1.20538	0.82962

[3]

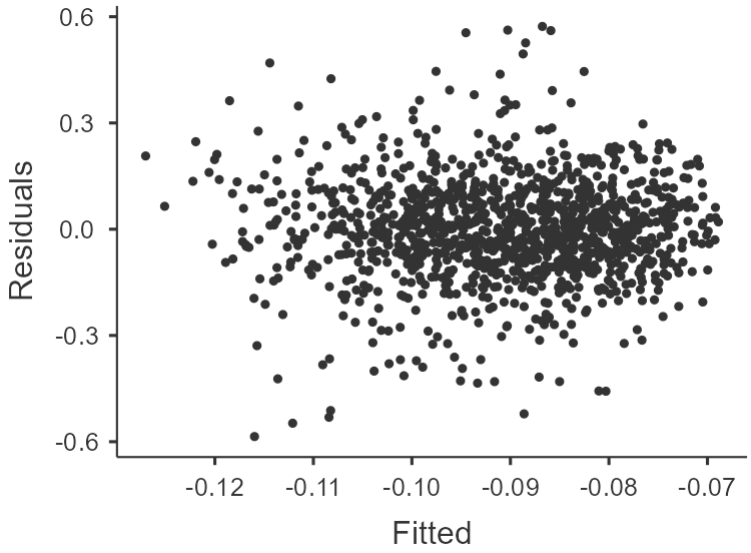
Normality Test (Shapiro-Wilk)

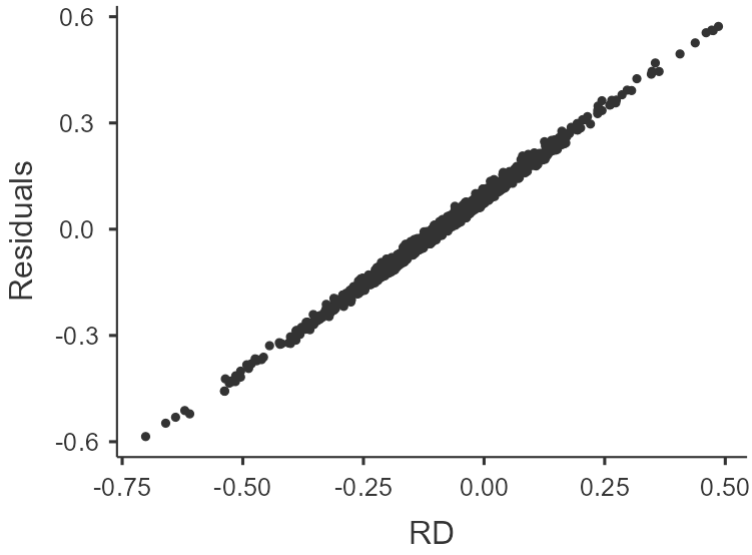
Statistic	**p**
0.97771	< .00001

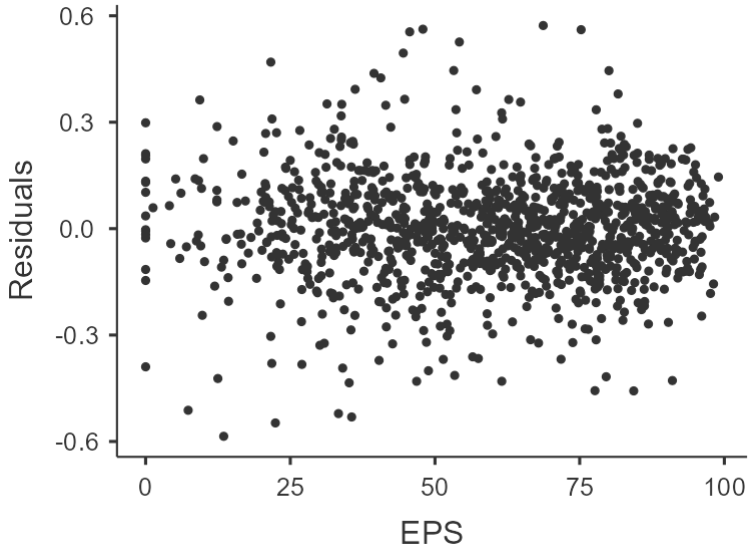
Q-Q Plot

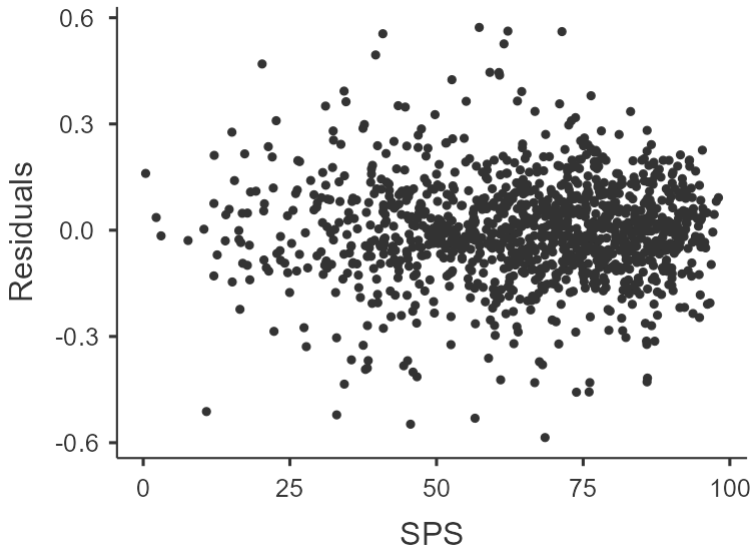


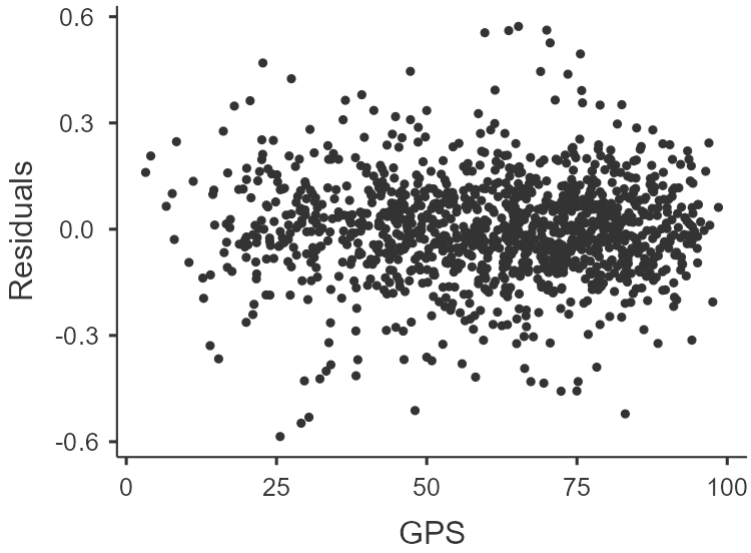
Residuals Plots




Residuals
0.6
0.3
0.0
-0.3
-0.6
-0.75
-0.50
-0.25
0.00
0.25
0.50
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

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[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).

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