

# Results

## Linear Regression

Model Fit Measures

Model	R	R <sup>2</sup>	Overall Model Test			
			F	df1	df2	p
1	0.23562	0.05552	23.27683	3	1188	< .00001

Model Coefficients - VOL

Predictor	Estimate	SE	t	p
Intercept	-1.87135	0.03462	-54.05252	< .00001
EPS	-0.00334	0.00061	-5.50652	< .00001
SPS	-0.00014	0.00074	-0.19663	0.84415
GPS	-0.00004	0.00057	-0.07271	0.94205

## Assumption Checks

Durbin–Watson Test for Autocorrelation

Autocorrelation	DW Statistic	p
0.02148	1.95655	0.47400

[3]

Collinearity Statistics

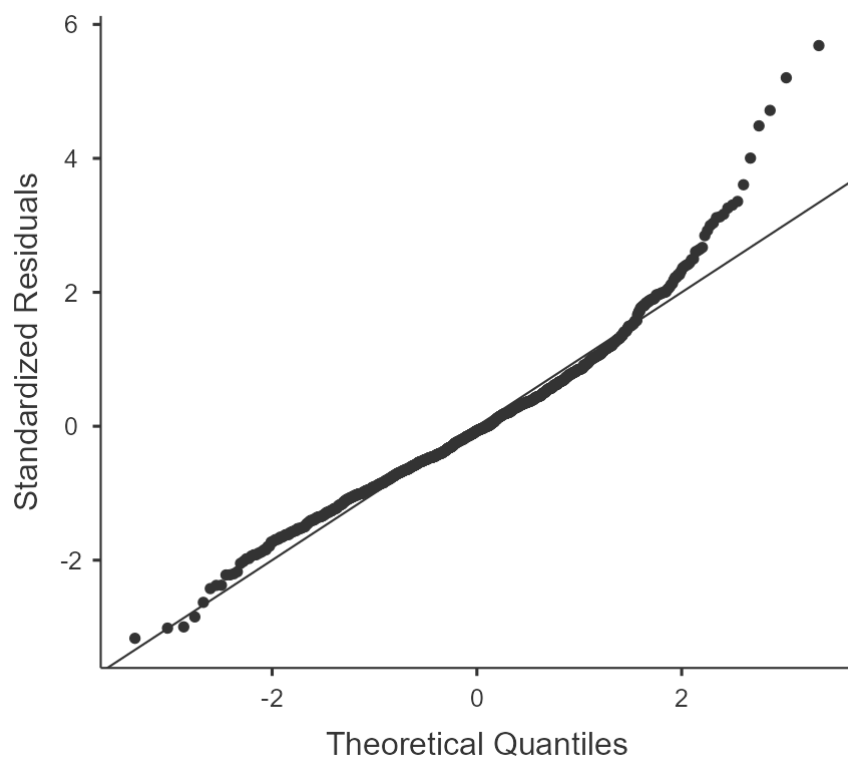
	VIF	Tolerance
EPS	2.16747	0.46137
SPS	2.17246	0.46031
GPS	1.31354	0.76130

[3]

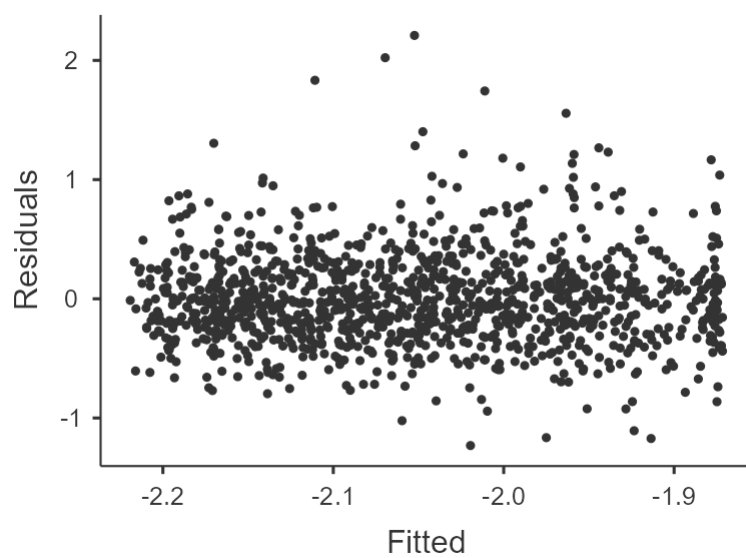
Normality Test (Shapiro-Wilk)

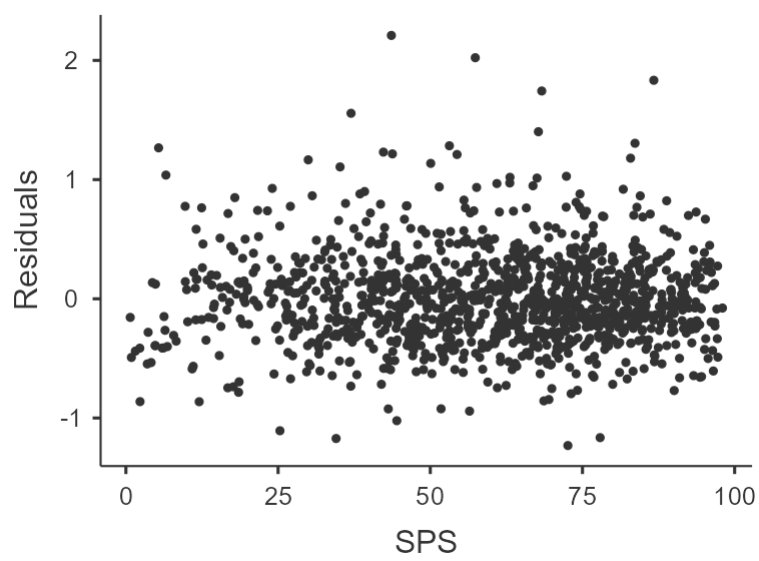
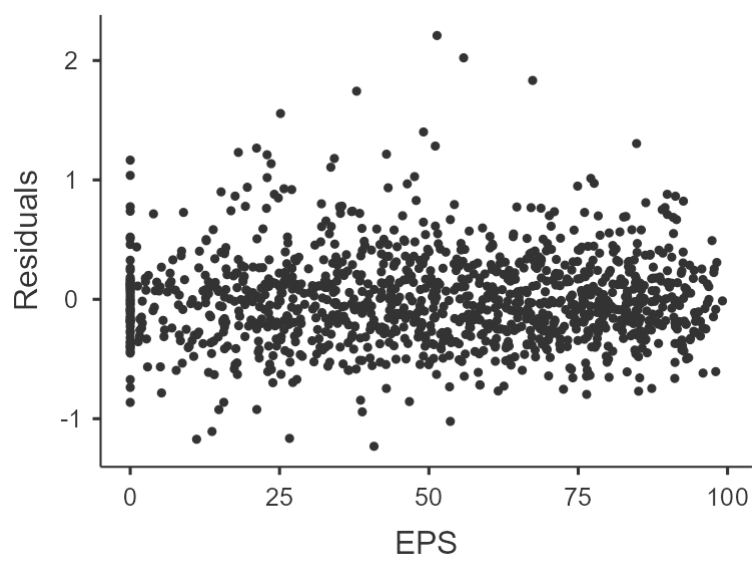
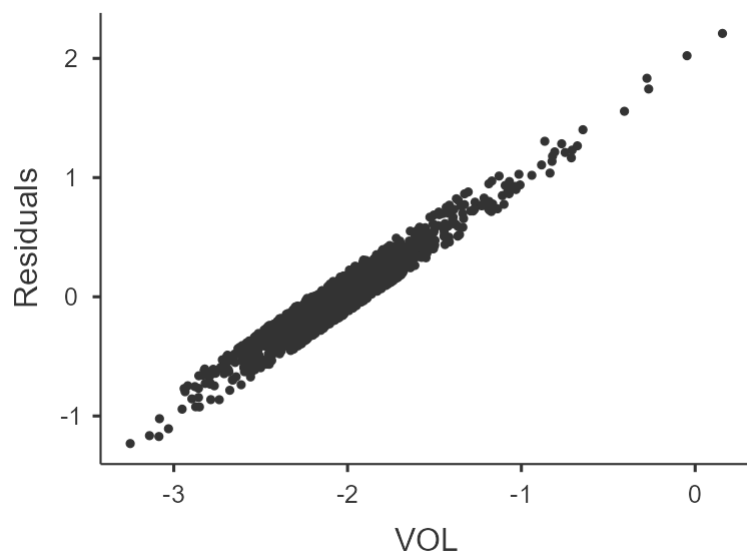
Statistic	p
0.96449	< .00001

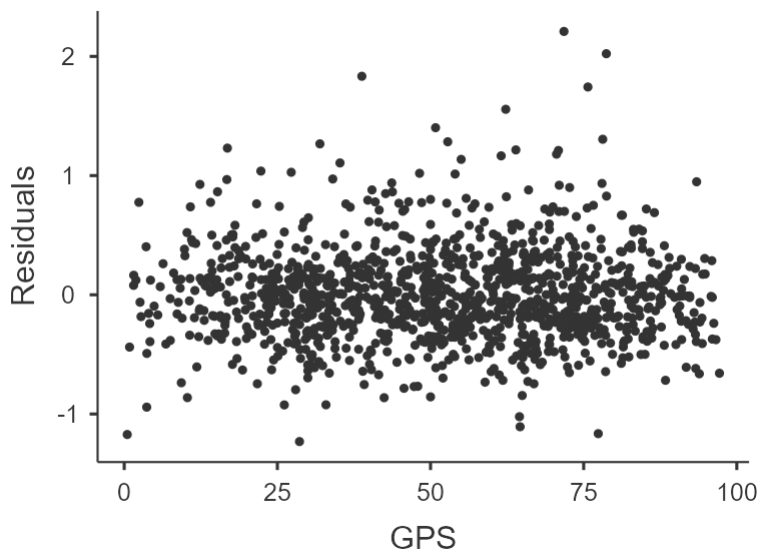
## Q-Q Plot



### Residuals Plots







## 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>.