

# Results

## Linear Regression

Model Fit Measures

Model	R	R <sup>2</sup>	Overall Model Test			
			F	df1	df2	p
1	0.22589	0.05103	21.32821	3	1190	< .00001

Model Coefficients - log\_VOL

Predictor	Estimate	SE	t	p
Intercept	-1.83880	0.03574	-51.44447	< .00001
EPS	-0.00405	0.00063	-6.47342	< .00001
SPS	0.00107	0.00076	1.40274	0.16096
GPS	0.00019	0.00058	0.32455	0.74558

### Assumption Checks

Durbin–Watson Test for Autocorrelation

Autocorrelation	DW Statistic	p
0.01503	1.96918	0.61400

[3]

Collinearity Statistics

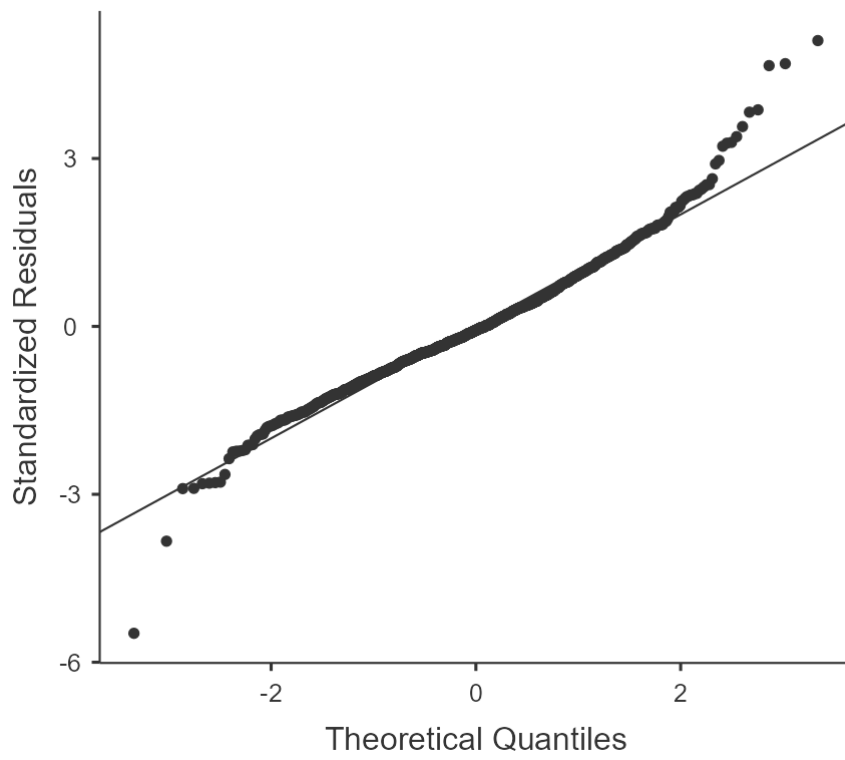
	VIF	Tolerance
EPS	2.15618	0.46378
SPS	2.17695	0.45936
GPS	1.31427	0.76088

[3]

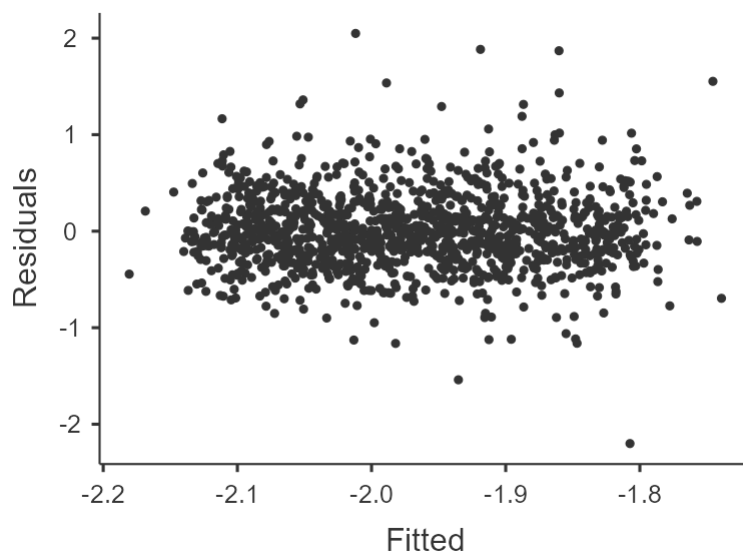
Normality Test (Shapiro-Wilk)

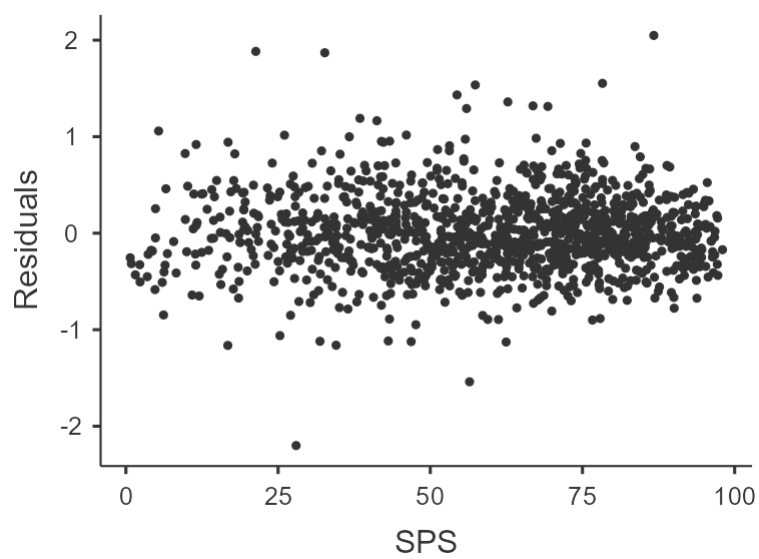
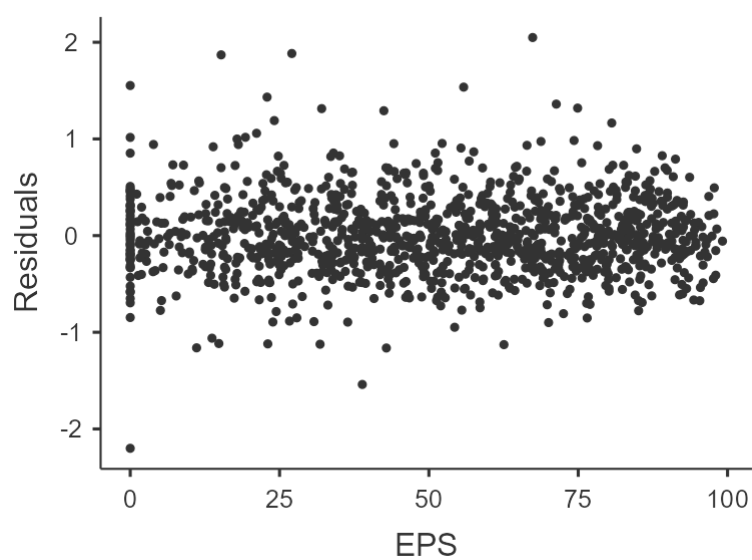
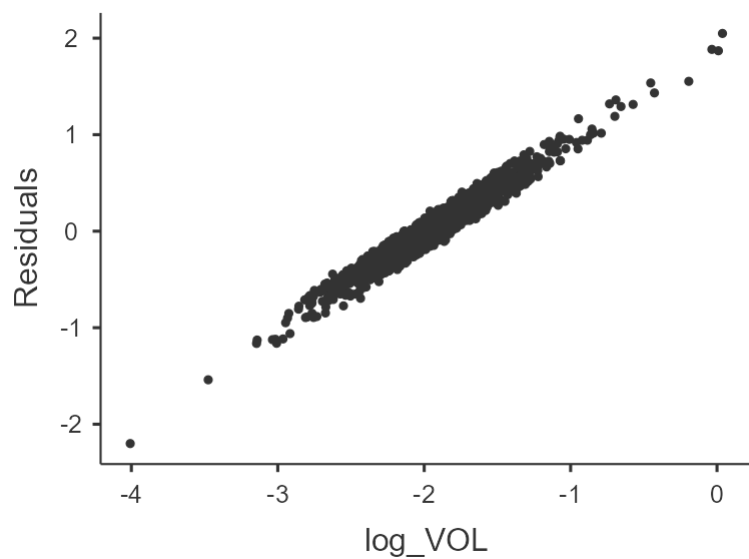
Statistic	p
0.97351	< .00001

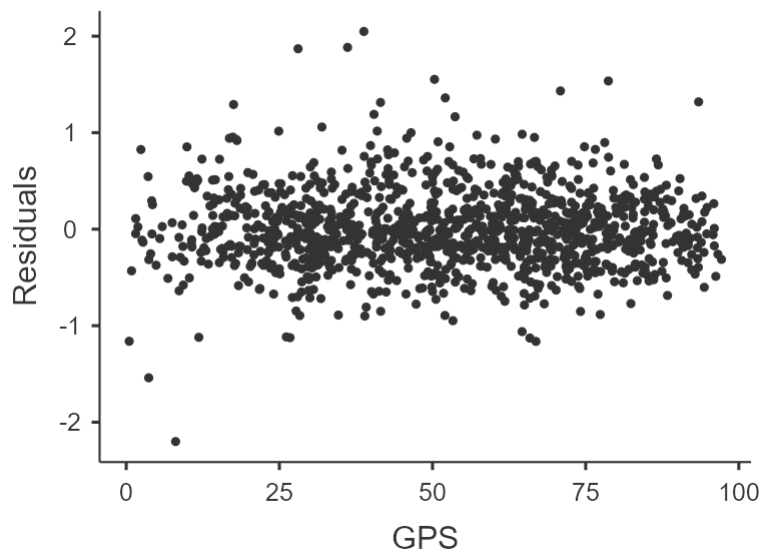
### Q-Q Plot



### 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>.