

# Results

## Linear Regression

Model Fit Measures

Model	R	R <sup>2</sup>	Overall Model Test			
			F	df1	df2	p
1	0.10258	0.01052	4.21868	3	1190	0.00560

Model Coefficients - log\_VOL

Predictor	Estimate	SE	t	p
Intercept	-1.39629	0.03744	-37.29009	< .00001
EPS	-0.00088	0.00062	-1.41449	0.15748
SPS	-0.00116	0.00075	-1.53838	0.12422
GPS	0.00119	0.00058	2.05567	0.04003

### Assumption Checks

Durbin–Watson Test for Autocorrelation

Autocorrelation	DW Statistic	p
0.02547	1.94862	0.34800

[3]

Collinearity Statistics

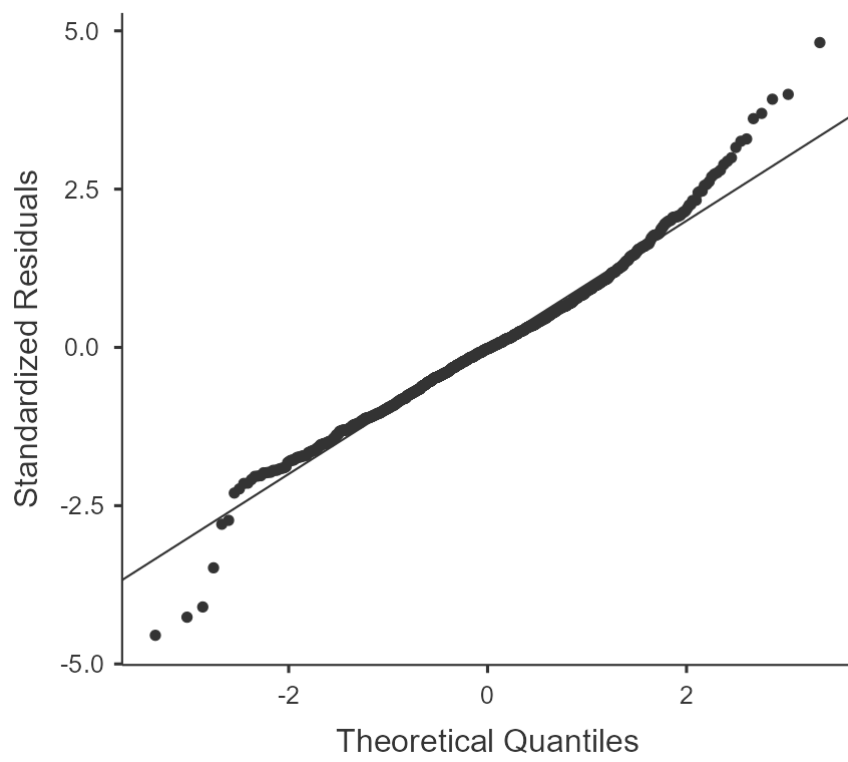
	VIF	Tolerance
EPS	2.09409	0.47754
SPS	2.13172	0.46910
GPS	1.27128	0.78661

[3]

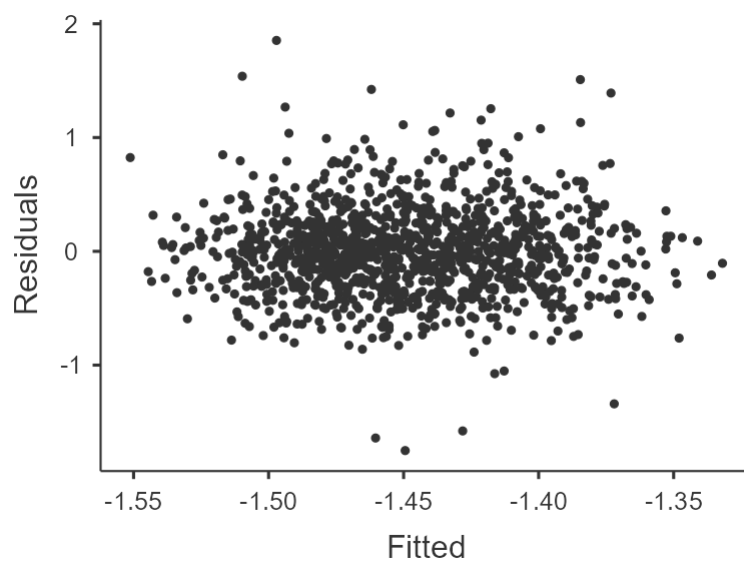
Normality Test (Shapiro-Wilk)

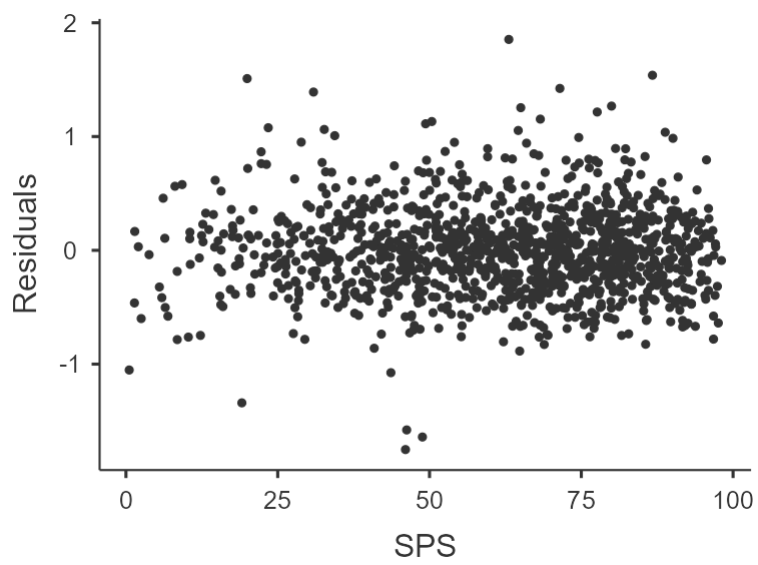
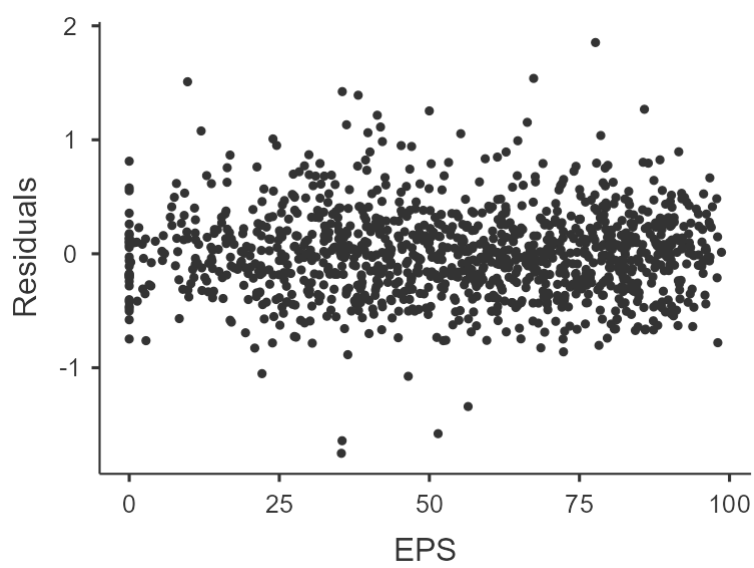
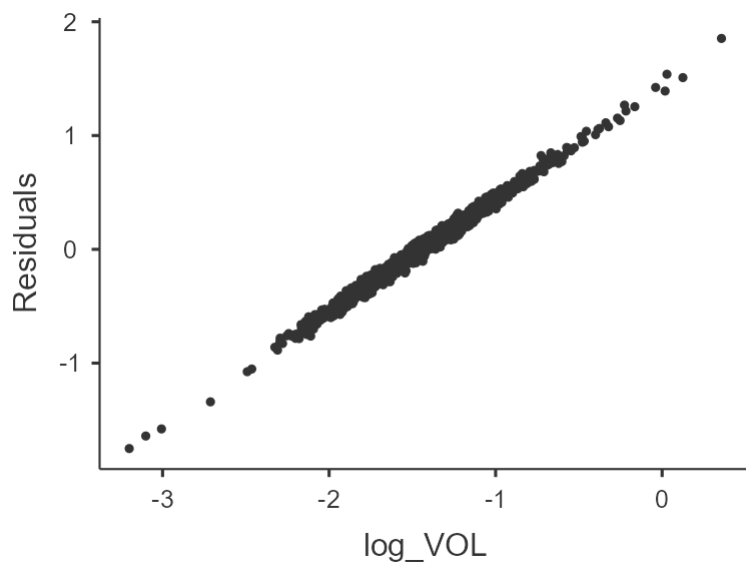
Statistic	p
0.98074	< .00001

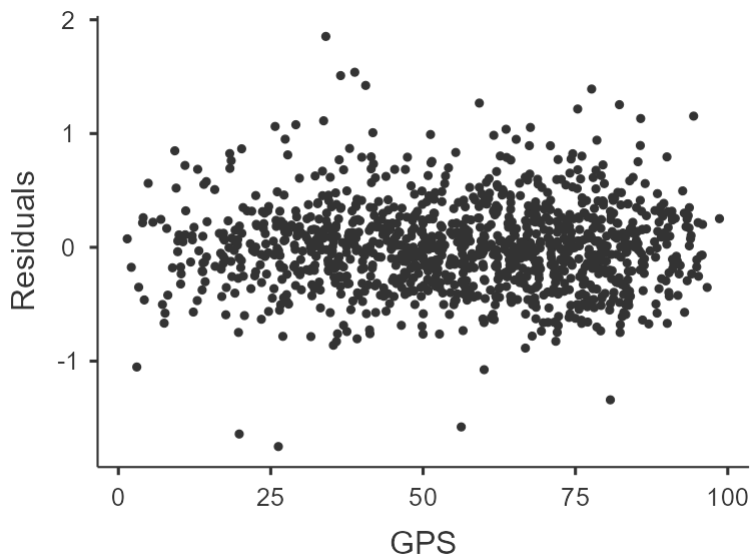
### Q-Q Plot



#### 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>.