

# Results

## Linear Regression

Model Fit Measures

Model	R	R <sup>2</sup>	Overall Model Test			
			F	df1	df2	p
1	0.22735	0.05169	21.60173	3	1189	< .00001

Model Coefficients - log\_VAR

Predictor	Estimate	SE	t	p
Intercept	-1.59895	0.03752	-42.61828	< .00001
EPS	-0.00352	0.00062	-5.63669	< .00001
SPS	-0.00020	0.00076	-0.26863	0.78826
GPS	0.00055	0.00059	0.94463	0.34504

### Assumption Checks

Durbin–Watson Test for Autocorrelation

Autocorrelation	DW Statistic	p
-0.00495	2.00955	0.89200

[3]

Collinearity Statistics

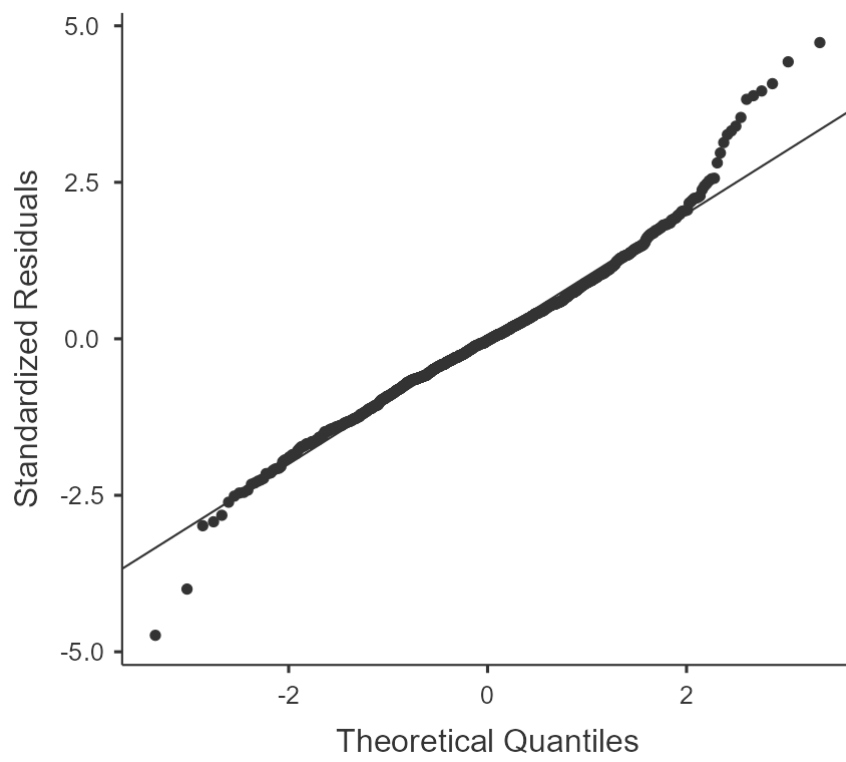
	VIF	Tolerance
EPS	2.09637	0.47702
SPS	2.14223	0.46680
GPS	1.27586	0.78378

[3]

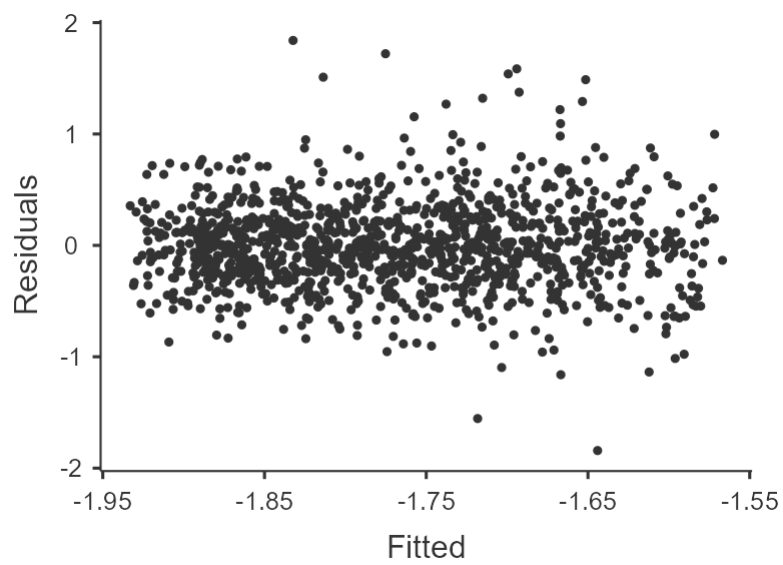
Normality Test (Shapiro-Wilk)

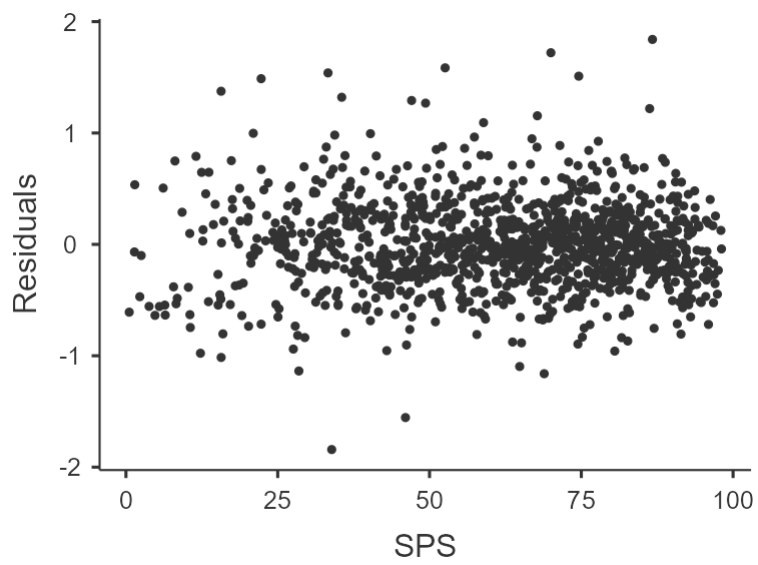
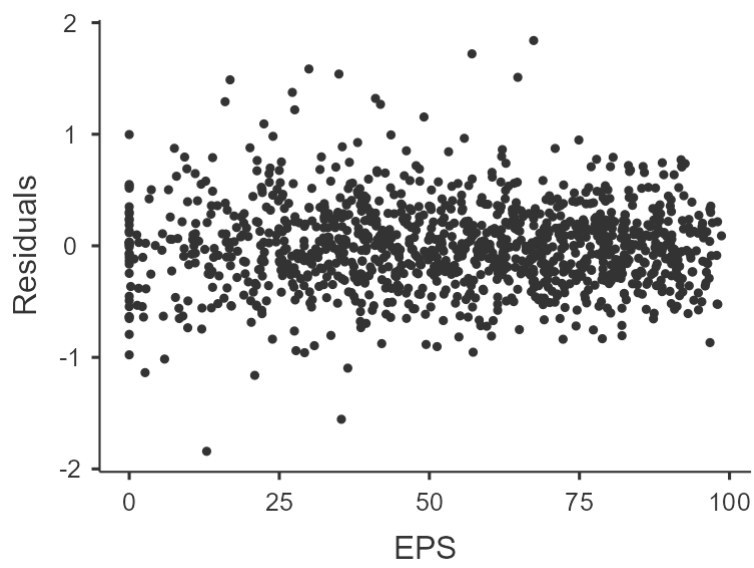
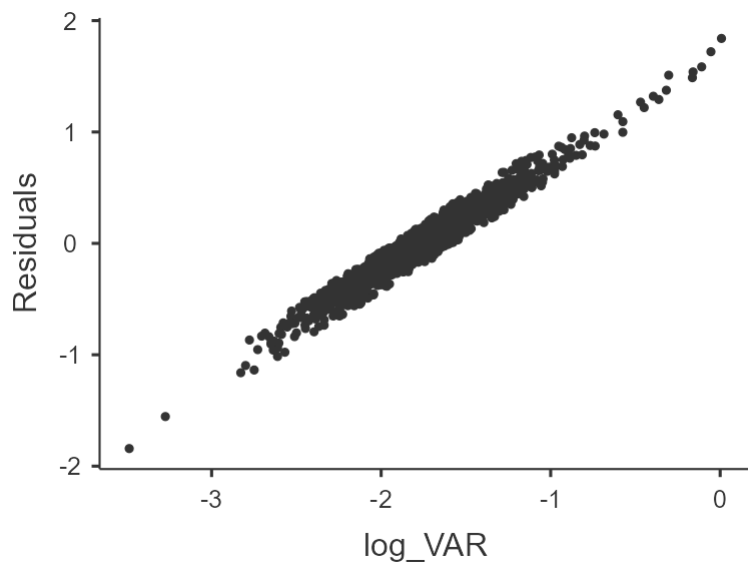
Statistic	p
0.98003	< .00001

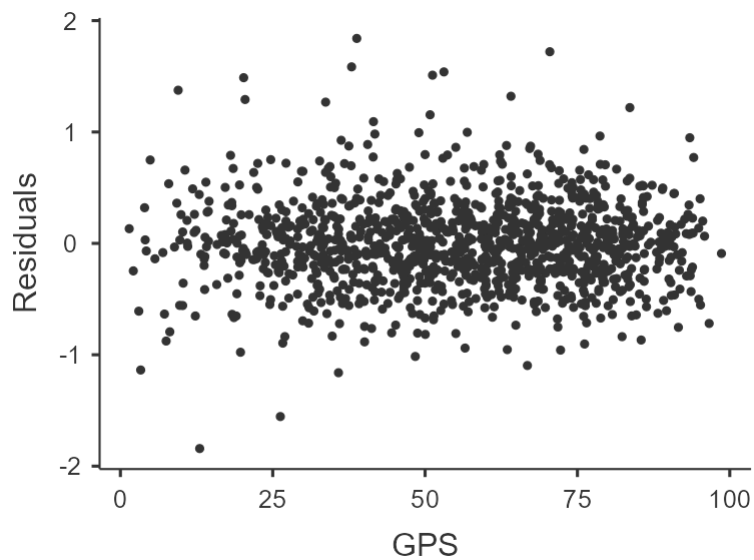
### Q-Q Plot



#### 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>.