

Results

Linear Regression

Model Fit Measures

| Model | R | R ² | Overall Model Test | | | |
|-------|---------|----------------|--------------------|-----|------|----------|
| | | | F | df1 | df2 | p |
| 1 | 0.18926 | 0.03582 | 14.71144 | 3 | 1188 | < .00001 |

Model Coefficients - log_MDD

| Predictor | Estimate | SE | t | p |
|-----------|----------|---------|-----------|----------|
| Intercept | -2.22978 | 0.05537 | -40.26928 | < .00001 |
| EPS | -0.00371 | 0.00092 | -4.02318 | 0.00006 |
| SPS | -0.00115 | 0.00112 | -1.02495 | 0.30560 |
| GPS | 0.00065 | 0.00087 | 0.75464 | 0.45061 |

Assumption Checks

Durbin–Watson Test for Autocorrelation

| Autocorrelation | DW Statistic | p |
|-----------------|--------------|---------|
| 0.01506 | 1.96948 | 0.58600 |

[3]

Collinearity Statistics

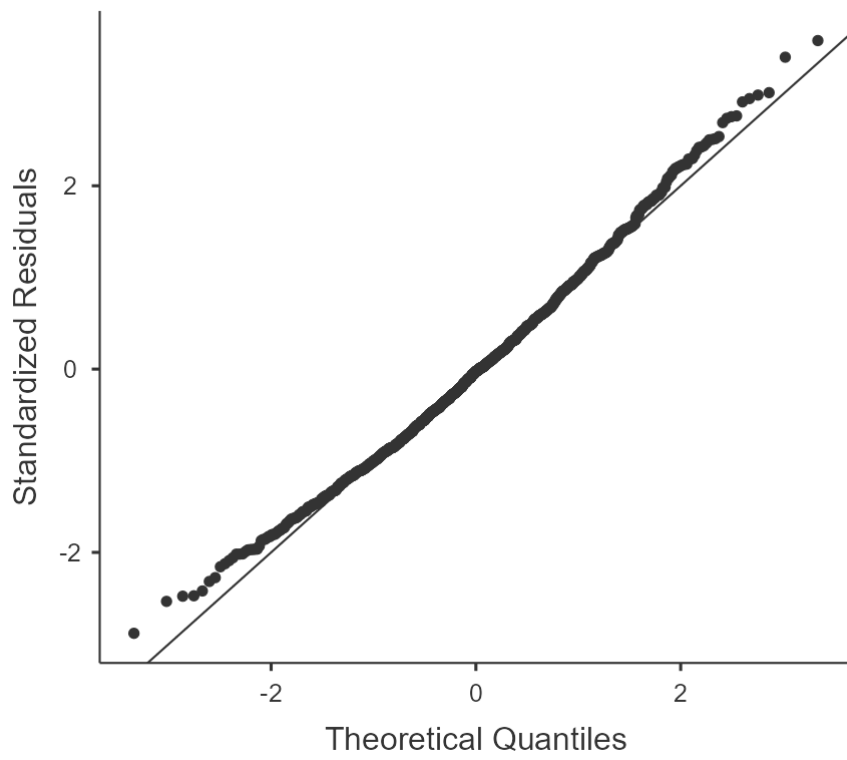
| | VIF | Tolerance |
|-----|---------|-----------|
| EPS | 2.09790 | 0.47667 |
| SPS | 2.14373 | 0.46648 |
| GPS | 1.27516 | 0.78422 |

[3]

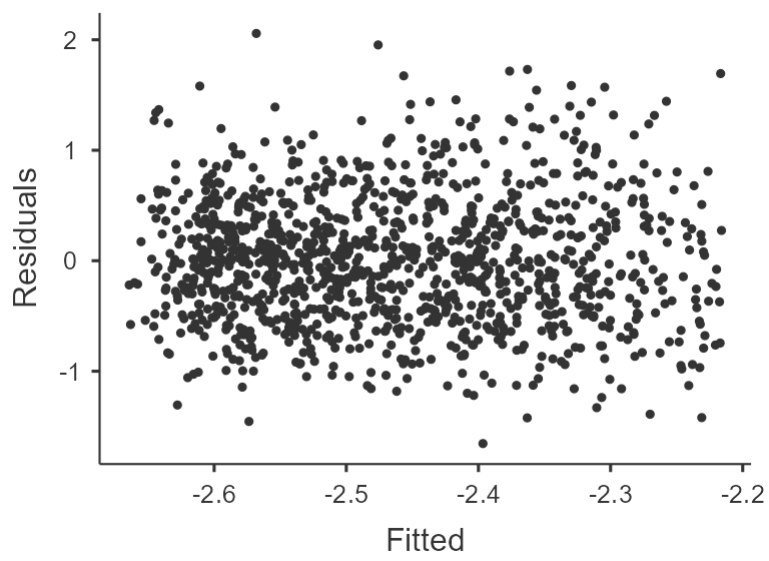
Normality Test (Shapiro-Wilk)

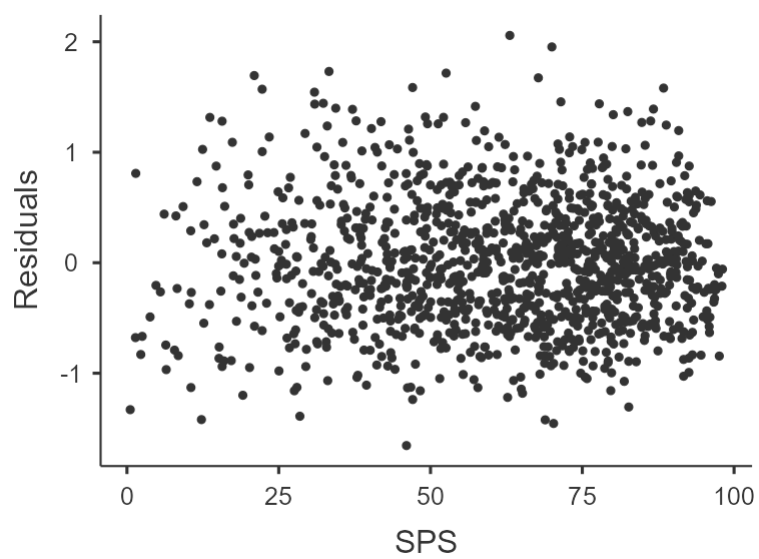
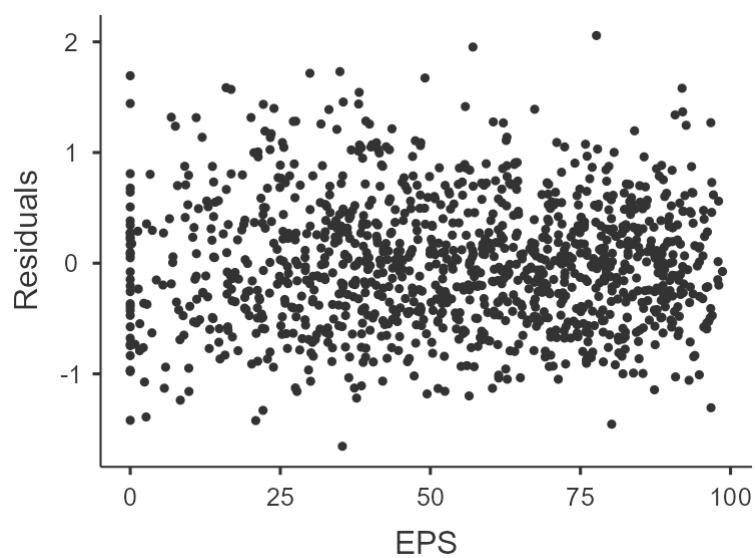
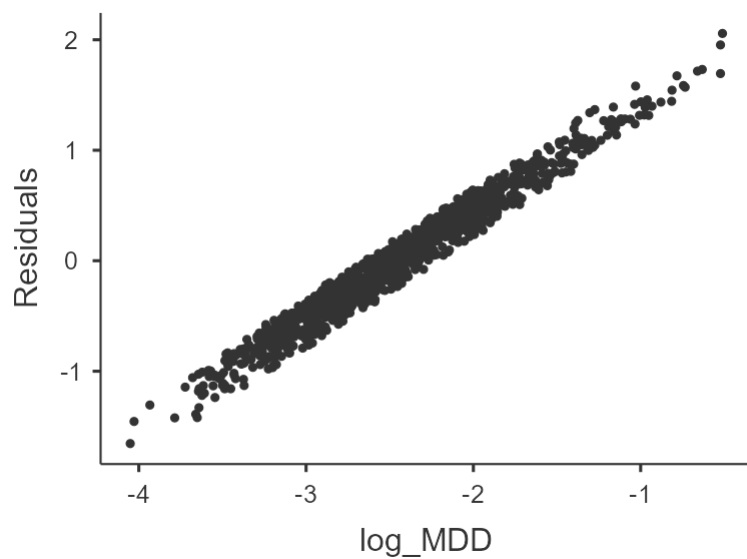
| Statistic | p |
|-----------|---------|
| 0.99357 | 0.00005 |

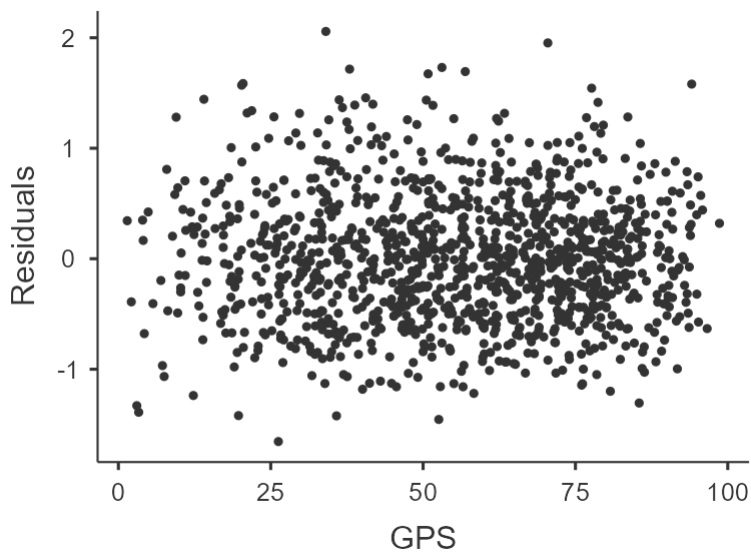
Q-Q Plot



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>.