**Host**

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**Host**

Ramsey RESET Test

Ramsey RESET Test
Import data

Base regression model

Base regression model
Save fitted values and residuals

# Regression

```
[RamseyRESETData] D:\DATA ANALYSIS\B Normality and Assumption Tests\Ramsey RES
ET Test\SPSS_Output\sav\Ramsey-RESET-Test-data.sav
```

### Variables Entered/Removed[a]

| Model | Variables Entered | Variables Removed | Method |
|---|---|---|---|
| 1 | age, studytime, absences, G2, failures, G1[b] | . | Enter |

a. Dependent Variable: G3

b. All requested variables entered.

### Model Summary[b]

| Model | R | R Square | Adjusted R Square | Std. Error of the Estimate |
|---|---|---|---|---|
| 1 | .922[a] | .851 | .849 | 1.254 |

a. Predictors: (Constant), age, studytime, absences, G2, failures, G1

b. Dependent Variable: G3

### ANOVA[a]

| Model | | Sum of Squares | df | Mean Square | F | Sig. |
|---|---|---|---|---|---|---|
| 1 | Regression | 5753.053 | 6 | 958.842 | 609.353 | .000[b] |
| | Residual | 1010.214 | 642 | 1.574 | | |
| | Total | 6763.267 | 648 | | | |

a. Dependent Variable: G3

b. Predictors: (Constant), age, studytime, absences, G2, failures, G1

Base regression model
Save fitted values and residuals

**Coefficients[a]**

| Model | | Unstandardized Coefficients | | Standardized Coefficients | | |
|---|---|---|---|---|---|---|
| | | B | Std. Error | Beta | t | Sig. |
| 1 | (Constant) | -.545 | .763 | | -.715 | .475 |
| | G1 | .142 | .037 | .121 | 3.886 | .000 |
| | G2 | .883 | .034 | .797 | 25.823 | .000 |
| | studytime | .095 | .062 | .024 | 1.526 | .127 |
| | failures | -.233 | .095 | -.043 | -2.456 | .014 |
| | absences | .023 | .011 | .033 | 2.086 | .037 |
| | age | .024 | .043 | .009 | .544 | .587 |

a. Dependent Variable: G3

**Residuals Statistics[a]**

| | Minimum | Maximum | Mean | Std. Deviation | N |
|---|---|---|---|---|---|
| Predicted Value | .31 | 19.58 | 11.91 | 2.980 | 649 |
| Residual | -9.045 | 5.817 | .000 | 1.249 | 649 |
| Std. Predicted Value | -3.892 | 2.575 | .000 | 1.000 | 649 |
| Std. Residual | -7.210 | 4.637 | .000 | .995 | 649 |

a. Dependent Variable: G3

Ramsey RESET augmented model

Ramsey RESET augmented model
Base predictors plus fitted squared and cubed terms

# Regression

[RamseyRESETData] D:\DATA ANALYSIS\B Normality and Assumption Tests\Ramsey RESET Test\SPSS_Output\sav\Ramsey-RESET-Test-with-base-fitted-values.sav

### Variables Entered/Removed[a]

| Model | Variables Entered | Variables Removed | Method |
|---|---|---|---|
| 1 | age, studytime, absences, G2, failures, G1[b] | . | Enter |
| 2 | pred3_G3, pred2_G3[b] | . | Enter |

a. Dependent Variable: G3

b. All requested variables entered.

### Model Summary[c]

| Model | R | R Square | Adjusted R Square | Std. Error of the Estimate | Change Statistics | | |
|---|---|---|---|---|---|---|---|
| | | | | | R Square Change | F Change | df1 |
| 1 | .922[a] | .851 | .849 | 1.254 | .851 | 609.353 | 6 |
| 2 | .924[b] | .853 | .852 | 1.245 | .003 | 6.022 | 2 |

### Model Summary[c]

| Model | Change Statistics | |
|---|---|---|
| | df2 | Sig. F Change |
| 1 | 642 | .000 |
| 2 | 640 | .003 |

a. Predictors: (Constant), age, studytime, absences, G2, failures, G1

b. Predictors: (Constant), age, studytime, absences, G2, failures, G1, pred3_G3, pred2_G3

c. Dependent Variable: G3

Ramsey RESET augmented model
Base predictors plus fitted squared and cubed terms

**ANOVA[a]**

| Model | | Sum of Squares | df | Mean Square | F | Sig. |
|---|---|---|---|---|---|---|
| 1 | Regression | 5753.053 | 6 | 958.842 | 609.353 | .000[b] |
| | Residual | 1010.214 | 642 | 1.574 | | |
| | Total | 6763.267 | 648 | | | |
| 2 | Regression | 5771.714 | 8 | 721.464 | 465.671 | .000[c] |
| | Residual | 991.553 | 640 | 1.549 | | |
| | Total | 6763.267 | 648 | | | |

a. Dependent Variable: G3

b. Predictors: (Constant), age, studytime, absences, G2, failures, G1

c. Predictors: (Constant), age, studytime, absences, G2, failures, G1, pred3_G3, pred2_G3

**Coefficients[a]**

| Model | | Unstandardized Coefficients | | Standardized Coefficients | t | Sig. | Collinearity Statistics |
|---|---|---|---|---|---|---|---|
| | | B | Std. Error | Beta | | | Tolerance |
| 1 | (Constant) | -.545 | .763 | | -.715 | .475 | |
| | G1 | .142 | .037 | .121 | 3.886 | .000 | .241 |
| | G2 | .883 | .034 | .797 | 25.823 | .000 | .244 |
| | studytime | .095 | .062 | .024 | 1.526 | .127 | .919 |
| | failures | -.233 | .095 | -.043 | -2.456 | .014 | .766 |
| | absences | .023 | .011 | .033 | 2.086 | .037 | .954 |
| | age | .024 | .043 | .009 | .544 | .587 | .866 |
| 2 | (Constant) | -2.172 | 1.086 | | -2.001 | .046 | |
| | G1 | .187 | .054 | .159 | 3.445 | .001 | .108 |
| | G2 | .929 | .151 | .838 | 6.144 | .000 | .012 |
| | studytime | .108 | .064 | .028 | 1.682 | .093 | .848 |
| | failures | -.186 | .109 | -.034 | -1.712 | .087 | .573 |
| | absences | .020 | .011 | .028 | 1.751 | .080 | .870 |
| | age | .054 | .044 | .021 | 1.225 | .221 | .816 |
| | pred2_G3 | .009 | .018 | .198 | .492 | .623 | .001 |
| | pred3_G3 | -.001 | .001 | -.283 | -1.125 | .261 | .004 |

Ramsey RESET augmented model
Base predictors plus fitted squared and cubed terms

## Coefficients[a]

| Model | | Collinearity Statistics VIF |
|---|---|---|
| 1 | (Constant) | |
| | G1 | 4.155 |
| | G2 | 4.091 |
| | studytime | 1.088 |
| | failures | 1.306 |
| | absences | 1.049 |
| | age | 1.155 |
| 2 | (Constant) | |
| | G1 | 9.257 |
| | G2 | 81.269 |
| | studytime | 1.179 |
| | failures | 1.744 |
| | absences | 1.150 |
| | age | 1.225 |
| | pred2_G3 | 704.857 |
| | pred3_G3 | 275.113 |

a. Dependent Variable: G3

## Excluded Variables[a]

| Model | | Beta In | t | Sig. | Partial Correlation | Collinearity Statistics Tolerance | VIF |
|---|---|---|---|---|---|---|---|
| 1 | pred2_G3 | -.246[b] | -3.282 | .001 | -.129 | .041 | 24.596 |
| | pred3_G3 | -.161[b] | -3.438 | .001 | -.135 | .104 | 9.600 |

## Excluded Variables[a]

| Model | | Collinearity ... Minimum Tolerance |
|---|---|---|
| 1 | pred2_G3 | .041 |
| | pred3_G3 | .104 |

Ramsey RESET augmented model
Base predictors plus fitted squared and cubed terms

a. Dependent Variable: G3

b. Predictors in the Model: (Constant), age, studytime, absences, G2, failures, G1

**Collinearity Diagnostics[a]**

| Model | Dimension | Eigenvalue | Condition Index | Variance Proportions (Constant) | G1 | G2 | studytime |
|---|---|---|---|---|---|---|---|
| 1 | 1 | 5.344 | 1.000 | .00 | .00 | .00 | .00 |
| | 2 | .921 | 2.409 | .00 | .00 | .00 | .00 |
| | 3 | .567 | 3.071 | .00 | .00 | .00 | .01 |
| | 4 | .116 | 6.798 | .00 | .01 | .01 | .97 |
| | 5 | .043 | 11.188 | .02 | .06 | .08 | .01 |
| | 6 | .008 | 26.235 | .00 | .87 | .89 | .00 |
| | 7 | .002 | 49.066 | .97 | .06 | .02 | .00 |
| 2 | 1 | 7.020 | 1.000 | .00 | .00 | .00 | .00 |
| | 2 | 1.047 | 2.589 | .00 | .00 | .00 | .00 |
| | 3 | .581 | 3.476 | .00 | .00 | .00 | .00 |
| | 4 | .225 | 5.580 | .00 | .00 | .00 | .13 |
| | 5 | .108 | 8.068 | .00 | .00 | .00 | .79 |
| | 6 | .010 | 26.038 | .00 | .38 | .00 | .00 |
| | 7 | .007 | 32.265 | .00 | .10 | .07 | .01 |
| | 8 | .002 | 63.688 | .68 | .07 | .00 | .00 |
| | 9 | .000 | 209.360 | .31 | .44 | .93 | .07 |

Ramsey RESET augmented model
Base predictors plus fitted squared and cubed terms

## Collinearity Diagnostics[a]

| Model | Dimension | Variance Proportions | | | | |
|---|---|---|---|---|---|---|
| | | failures | absences | age | pred2_G3 | pred3_G3 |
| 1 | 1 | .00 | .01 | .00 | | |
| | 2 | .64 | .03 | .00 | | |
| | 3 | .10 | .88 | .00 | | |
| | 4 | .00 | .02 | .00 | | |
| | 5 | .21 | .05 | .03 | | |
| | 6 | .00 | .00 | .00 | | |
| | 7 | .04 | .00 | .96 | | |
| 2 | 1 | .00 | .00 | .00 | .00 | .00 |
| | 2 | .36 | .06 | .00 | .00 | .00 |
| | 3 | .15 | .73 | .00 | .00 | .00 |
| | 4 | .13 | .05 | .00 | .00 | .00 |
| | 5 | .03 | .05 | .00 | .00 | .00 |
| | 6 | .05 | .01 | .09 | .00 | .01 |
| | 7 | .03 | .00 | .05 | .00 | .02 |
| | 8 | .01 | .01 | .83 | .00 | .02 |
| | 9 | .24 | .09 | .02 | .99 | .94 |

a. Dependent Variable: G3

## Residuals Statistics[a]

| | Minimum | Maximum | Mean | Std. Deviation | N |
|---|---|---|---|---|---|
| Predicted Value | -.52 | 18.71 | 11.91 | 2.984 | 649 |
| Residual | -9.215 | 5.789 | .000 | 1.237 | 649 |
| Std. Predicted Value | -4.165 | 2.281 | .000 | 1.000 | 649 |
| Std. Residual | -7.403 | 4.651 | .000 | .994 | 649 |

a. Dependent Variable: G3

Ramsey RESET sensitivity model

Ramsey RESET sensitivity model
Base predictors plus fitted powers two, three and four

# Regression

### Variables Entered/Removed[a]

| Model | Variables Entered | Variables Removed | Method |
|---|---|---|---|
| 1 | age, studytime, absences, G2, failures, G1[b] | . | Enter |
| 2 | pred4_G3, pred2_G3[c] | . | Enter |

a. Dependent Variable: G3

b. All requested variables entered.

c. Tolerance = .000 limit reached.

### Model Summary

| Model | R | R Square | Adjusted R Square | Std. Error of the Estimate | Change Statistics | | |
|---|---|---|---|---|---|---|---|
| | | | | | R Square Change | F Change | df1 |
| 1 | .922[a] | .851 | .849 | 1.254 | .851 | 609.353 | 6 |
| 2 | .924[b] | .853 | .852 | 1.245 | .003 | 5.983 | 2 |

### Model Summary

| Model | Change Statistics | |
|---|---|---|
| | df2 | Sig. F Change |
| 1 | 642 | .000 |
| 2 | 640 | .003 |

a. Predictors: (Constant), age, studytime, absences, G2, failures, G1

b. Predictors: (Constant), age, studytime, absences, G2, failures, G1, pred4_G3, pred2_G3

Ramsey RESET sensitivity model
Base predictors plus fitted powers two, three and four

**ANOVA[a]**

| Model | | Sum of Squares | df | Mean Square | F | Sig. |
|---|---|---|---|---|---|---|
| 1 | Regression | 5753.053 | 6 | 958.842 | 609.353 | .000[b] |
| | Residual | 1010.214 | 642 | 1.574 | | |
| | Total | 6763.267 | 648 | | | |
| 2 | Regression | 5771.594 | 8 | 721.449 | 465.605 | .000[c] |
| | Residual | 991.672 | 640 | 1.549 | | |
| | Total | 6763.267 | 648 | | | |

a. Dependent Variable: G3

b. Predictors: (Constant), age, studytime, absences, G2, failures, G1

c. Predictors: (Constant), age, studytime, absences, G2, failures, G1, pred4_G3, pred2_G3

**Coefficients[a]**

| Model | | Unstandardized Coefficients | | Standardized Coefficients | | | Collinearity Statistics |
|---|---|---|---|---|---|---|---|
| | | B | Std. Error | Beta | t | Sig. | Tolerance |
| 1 | (Constant) | -.545 | .763 | | -.715 | .475 | |
| | G1 | .142 | .037 | .121 | 3.886 | .000 | .241 |
| | G2 | .883 | .034 | .797 | 25.823 | .000 | .244 |
| | studytime | .095 | .062 | .024 | 1.526 | .127 | .919 |
| | failures | -.233 | .095 | -.043 | -2.456 | .014 | .766 |
| | absences | .023 | .011 | .033 | 2.086 | .037 | .954 |
| | age | .024 | .043 | .009 | .544 | .587 | .866 |
| 2 | (Constant) | -2.251 | 1.064 | | -2.117 | .035 | |
| | G1 | .194 | .051 | .165 | 3.803 | .000 | .122 |
| | G2 | .971 | .122 | .876 | 7.960 | .000 | .019 |
| | studytime | .112 | .063 | .029 | 1.773 | .077 | .869 |
| | failures | -.200 | .104 | -.037 | -1.926 | .055 | .630 |
| | absences | .021 | .011 | .030 | 1.880 | .061 | .905 |
| | age | .056 | .044 | .021 | 1.257 | .209 | .818 |
| | pred2_G3 | .000 | .011 | -.006 | -.026 | .979 | .004 |
| | pred4_G3 | -1.568E-5 | .000 | -.123 | -1.090 | .276 | .018 |

Ramsey RESET sensitivity model
Base predictors plus fitted powers two, three and four

## Coefficients[a]

| Model | | Collinearity Statistics VIF |
|---|---|---|
| 1 | (Constant) | |
| | G1 | 4.155 |
| | G2 | 4.091 |
| | studytime | 1.088 |
| | failures | 1.306 |
| | absences | 1.049 |
| | age | 1.155 |
| 2 | (Constant) | |
| | G1 | 8.206 |
| | G2 | 52.857 |
| | studytime | 1.151 |
| | failures | 1.588 |
| | absences | 1.105 |
| | age | 1.222 |
| | pred2_G3 | 236.803 |
| | pred4_G3 | 55.712 |

a. Dependent Variable: G3

## Excluded Variables[a]

| Model | | Beta In | t | Sig. | Partial Correlation | Collinearity Statistics Tolerance | Collinearity Statistics VIF |
|---|---|---|---|---|---|---|---|
| 1 | pred2_G3 | -.246[b] | -3.282 | .001 | -.129 | .041 | 24.596 |
| | pred3_G3 | -.161[b] | -3.438 | .001 | -.135 | .104 | 9.600 |
| | pred4_G3 | -.126[b] | -3.462 | .001 | -.135 | .173 | 5.787 |
| 2 | pred3_G3 | -.977[c] | -.397 | .691 | -.016 | 3.793E-5 | 26362.431 |

Ramsey RESET sensitivity model
Base predictors plus fitted powers two, three and four

## Excluded Variables[a]

| Model | | Collinearity ... Minimum Tolerance |
|---|---|---|
| 1 | pred2_G3 | .041 |
| | pred3_G3 | .104 |
| | pred4_G3 | .161 |
| 2 | pred3_G3 | 3.793E-5 |

a. Dependent Variable: G3

b. Predictors in the Model: (Constant), age, studytime, absences, G2, failures, G1

c. Predictors in the Model: (Constant), age, studytime, absences, G2, failures, G1, pred4_G3, pred2_G3

## Collinearity Diagnostics[a]

| Model | Dimension | Eigenvalue | Condition Index | Variance Proportions (Constant) | G1 | G2 | studytime |
|---|---|---|---|---|---|---|---|
| 1 | 1 | 5.344 | 1.000 | .00 | .00 | .00 | .00 |
| | 2 | .921 | 2.409 | .00 | .00 | .00 | .00 |
| | 3 | .567 | 3.071 | .00 | .00 | .00 | .01 |
| | 4 | .116 | 6.798 | .00 | .01 | .01 | .97 |
| | 5 | .043 | 11.188 | .02 | .06 | .08 | .01 |
| | 6 | .008 | 26.235 | .00 | .87 | .89 | .00 |
| | 7 | .002 | 49.066 | .97 | .06 | .02 | .00 |
| 2 | 1 | 6.903 | 1.000 | .00 | .00 | .00 | .00 |
| | 2 | 1.075 | 2.534 | .00 | .00 | .00 | .00 |
| | 3 | .587 | 3.429 | .00 | .00 | .00 | .00 |
| | 4 | .297 | 4.824 | .00 | .00 | .00 | .06 |
| | 5 | .112 | 7.837 | .00 | .00 | .00 | .87 |
| | 6 | .015 | 21.573 | .01 | .10 | .01 | .01 |
| | 7 | .008 | 28.743 | .00 | .44 | .05 | .00 |
| | 8 | .002 | 59.415 | .55 | .04 | .01 | .00 |
| | 9 | .000 | 131.152 | .43 | .42 | .94 | .05 |

Ramsey RESET sensitivity model
Base predictors plus fitted powers two, three and four

## Collinearity Diagnostics[a]

| Model | Dimension | Variance Proportions | | | | |
|---|---|---|---|---|---|---|
| | | failures | absences | age | pred2_G3 | pred4_G3 |
| 1 | 1 | .00 | .01 | .00 | | |
| | 2 | .64 | .03 | .00 | | |
| | 3 | .10 | .88 | .00 | | |
| | 4 | .00 | .02 | .00 | | |
| | 5 | .21 | .05 | .03 | | |
| | 6 | .00 | .00 | .00 | | |
| | 7 | .04 | .00 | .96 | | |
| 2 | 1 | .00 | .00 | .00 | .00 | .00 |
| | 2 | .36 | .06 | .00 | .00 | .00 |
| | 3 | .19 | .71 | .00 | .00 | .00 |
| | 4 | .13 | .11 | .00 | .00 | .01 |
| | 5 | .01 | .04 | .00 | .00 | .00 |
| | 6 | .14 | .00 | .09 | .01 | .10 |
| | 7 | .00 | .00 | .00 | .01 | .02 |
| | 8 | .01 | .01 | .86 | .02 | .07 |
| | 9 | .16 | .04 | .05 | .97 | .79 |

a. Dependent Variable: G3

RESET diagnostic descriptives

RESET diagnostic descriptives
Fitted values, residuals and added terms

## Descriptives

**Descriptive Statistics**

| | N | Minimum | Maximum | Mean | Std. Deviation |
|---|---|---|---|---|---|
| G3 | 649 | 0 | 19 | 11.91 | 3.231 |
| base_pred_G3 | 649 | .31032 | 19.57851 | 11.9060092 | 2.97962542 |
| reset_pred_G3 | 649 | -.52370 | 18.71319 | 11.9060092 | 2.98445403 |
| base_resid_G3 | 649 | -9.04462 | 5.81680 | .0000000 | 1.24858805 |
| reset_resid_G3 | 649 | -9.21468 | 5.78905 | .0000000 | 1.23700199 |
| reset_abs_base_resid | 649 | .00 | 9.04 | .7804 | .97421 |
| reset_abs_aug_resid | 649 | .00 | 9.21 | .7651 | .97157 |
| pred2_G3 | 649 | .09630 | 383.31816 | 150.6175440 | 70.19450234 |
| pred3_G3 | 649 | .02988 | 7504.79939 | 1996.884454 | 1375.385540 |
| pred4_G3 | 649 | .00927 | 146932.8097 | 27605.32063 | 25387.61990 |
| Valid N (listwise) | 649 | | | | |

RESET diagnostic correlations

RESET diagnostic correlations
Residuals and fitted power terms

## Correlations

**Correlations**

| | | base_resid_G3 | reset_resid_G3 | base_pred_G3 | pred2_G3 |
|---|---|---|---|---|---|
| base_resid_G3 | Pearson Correlation | 1 | .991** | .000 | -.026 |
| | Sig. (2-tailed) | | .000 | 1.000 | .510 |
| | N | 649 | 649 | 649 | 649 |
| reset_resid_G3 | Pearson Correlation | .991** | 1 | .000 | .000 |
| | Sig. (2-tailed) | .000 | | 1.000 | 1.000 |
| | N | 649 | 649 | 649 | 649 |
| base_pred_G3 | Pearson Correlation | .000 | .000 | 1 | .975** |
| | Sig. (2-tailed) | 1.000 | 1.000 | | .000 |
| | N | 649 | 649 | 649 | 649 |
| pred2_G3 | Pearson Correlation | -.026 | .000 | .975** | 1 |
| | Sig. (2-tailed) | .510 | 1.000 | .000 | |
| | N | 649 | 649 | 649 | 649 |
| pred3_G3 | Pearson Correlation | -.043 | .000 | .936** | .990** |
| | Sig. (2-tailed) | .269 | 1.000 | .000 | .000 |
| | N | 649 | 649 | 649 | 649 |
| pred4_G3 | Pearson Correlation | -.056 | .000 | .893** | .966** |
| | Sig. (2-tailed) | .152 | .997 | .000 | .000 |
| | N | 649 | 649 | 649 | 649 |

RESET diagnostic correlations
Residuals and fitted power terms

**Correlations**

| | | pred3_G3 | pred4_G3 |
|---|---|---|---|
| base_resid_G3 | Pearson Correlation | -.043 | -.056 |
| | Sig. (2-tailed) | .269 | .152 |
| | N | 649 | 649 |
| reset_resid_G3 | Pearson Correlation | .000 | .000 |
| | Sig. (2-tailed) | 1.000 | .997 |
| | N | 649 | 649 |
| base_pred_G3 | Pearson Correlation | .936** | .893** |
| | Sig. (2-tailed) | .000 | .000 |
| | N | 649 | 649 |
| pred2_G3 | Pearson Correlation | .990** | .966** |
| | Sig. (2-tailed) | .000 | .000 |
| | N | 649 | 649 |
| pred3_G3 | Pearson Correlation | 1 | .993** |
| | Sig. (2-tailed) | | .000 |
| | N | 649 | 649 |
| pred4_G3 | Pearson Correlation | .993** | 1 |
| | Sig. (2-tailed) | .000 | |
| | N | 649 | 649 |

**. Correlation is significant at the 0.01 level (2-tailed).

# Explore

**Case Processing Summary**

| | Cases | | | | | |
|---|---|---|---|---|---|---|
| | Valid | | Missing | | Total | |
| | N | Percent | N | Percent | N | Percent |
| base_resid_G3 | 649 | 100.0% | 0 | 0.0% | 649 | 100.0% |
| reset_resid_G3 | 649 | 100.0% | 0 | 0.0% | 649 | 100.0% |
| base_pred_G3 | 649 | 100.0% | 0 | 0.0% | 649 | 100.0% |
| pred2_G3 | 649 | 100.0% | 0 | 0.0% | 649 | 100.0% |
| pred3_G3 | 649 | 100.0% | 0 | 0.0% | 649 | 100.0% |

RESET diagnostic correlations
Residuals and fitted power terms

## Descriptives

| | | | Statistic | Std. Error |
|---|---|---|---|---|
| base_resid_G3 | Mean | | .0000000 | .04901137 |
| | 95% Confidence Interval for Mean | Lower Bound | -.0962403 | |
| | | Upper Bound | .0962403 | |
| | 5% Trimmed Mean | | .0701572 | |
| | Median | | -.0682603 | |
| | Variance | | 1.559 | |
| | Std. Deviation | | 1.24858805 | |
| | Minimum | | -9.04462 | |
| | Maximum | | 5.81680 | |
| | Range | | 14.86142 | |
| | Interquartile Range | | 1.08233 | |
| | Skewness | | -2.864 | .096 |
| | Kurtosis | | 18.667 | .192 |
| reset_resid_G3 | Mean | | .0000000 | .04855658 |
| | 95% Confidence Interval for Mean | Lower Bound | -.0953472 | |
| | | Upper Bound | .0953472 | |
| | 5% Trimmed Mean | | .0676175 | |
| | Median | | .0102161 | |
| | Variance | | 1.530 | |
| | Std. Deviation | | 1.23700199 | |
| | Minimum | | -9.21468 | |
| | Maximum | | 5.78905 | |
| | Range | | 15.00373 | |
| | Interquartile Range | | 1.02590 | |
| | Skewness | | -2.860 | .096 |
| | Kurtosis | | 18.955 | .192 |
| base_pred_G3 | Mean | | 11.9060092 | .11696053 |
| | 95% Confidence Interval for Mean | Lower Bound | 11.6763419 | |
| | | Upper Bound | 12.1356766 | |
| | 5% Trimmed Mean | | 11.9317127 | |
| | Median | | 11.6662111 | |
| | Variance | | 8.878 | |

RESET diagnostic correlations
Residuals and fitted power terms

## Descriptives

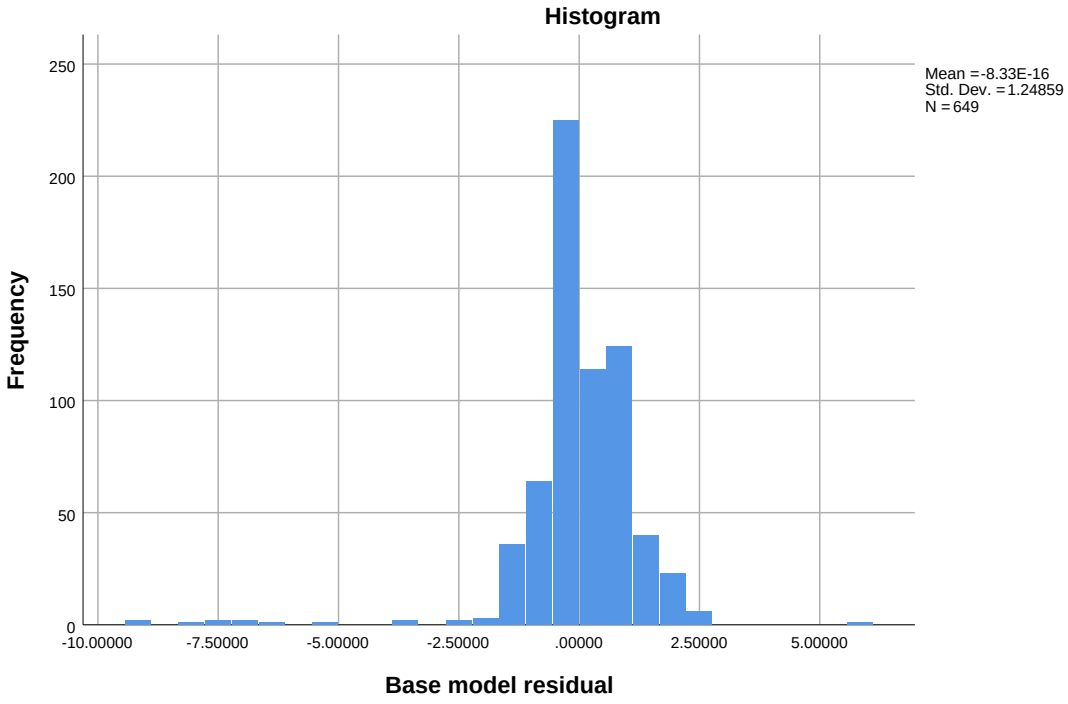
| | | | Statistic | Std. Error |
|---|---|---|---|---|
| | Std. Deviation | | 2.97962542 | |
| | Minimum | | .31032 | |
| | Maximum | | 19.57851 | |
| | Range | | 19.26819 | |
| | Interquartile Range | | 3.59010 | |
| | Skewness | | -.283 | .096 |
| | Kurtosis | | 1.177 | .192 |
| pred2_G3 | Mean | | 150.6175440 | 2.75537524 |
| | 95% Confidence Interval for Mean | Lower Bound | 145.2070021 | |
| | | Upper Bound | 156.0280860 | |
| | 5% Trimmed Mean | | 147.4398867 | |
| | Median | | 136.1004814 | |
| | Variance | | 4927.268 | |
| | Std. Deviation | | 70.19450234 | |
| | Minimum | | .09630 | |
| | Maximum | | 383.31816 | |
| | Range | | 383.22186 | |
| | Interquartile Range | | 84.94677 | |
| | Skewness | | .687 | .096 |
| | Kurtosis | | .269 | .192 |
| pred3_G3 | Mean | | 1996.884454 | 53.98860495 |
| | 95% Confidence Interval for Mean | Lower Bound | 1890.870722 | |
| | | Upper Bound | 2102.898186 | |
| | 5% Trimmed Mean | | 1882.390172 | |
| | Median | | 1587.776947 | |
| | Variance | | 1891685.383 | |
| | Std. Deviation | | 1375.385540 | |
| | Minimum | | .02988 | |
| | Maximum | | 7504.79939 | |
| | Range | | 7504.76950 | |
| | Interquartile Range | | 1519.03700 | |
| | Skewness | | 1.246 | .096 |

RESET diagnostic correlations
Residuals and fitted power terms

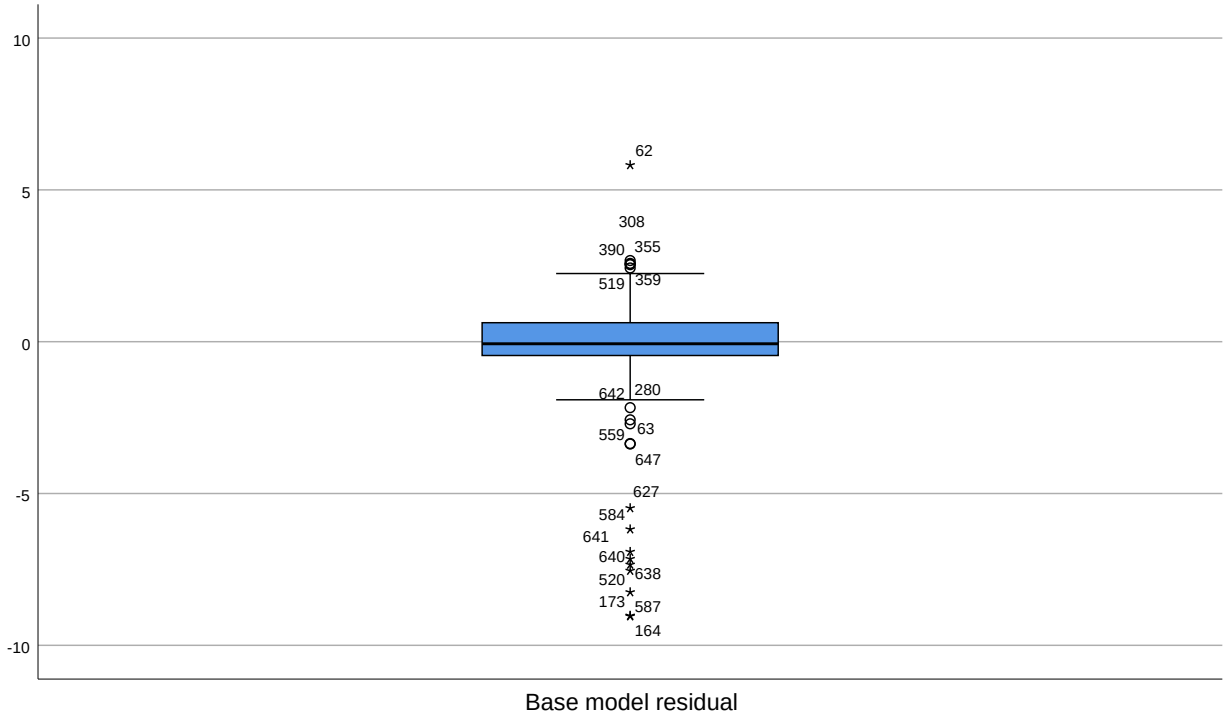
**Descriptives**

| | Statistic | Std. Error |
|---|---|---|
| Kurtosis | 1.391 | .192 |

## Base model residual

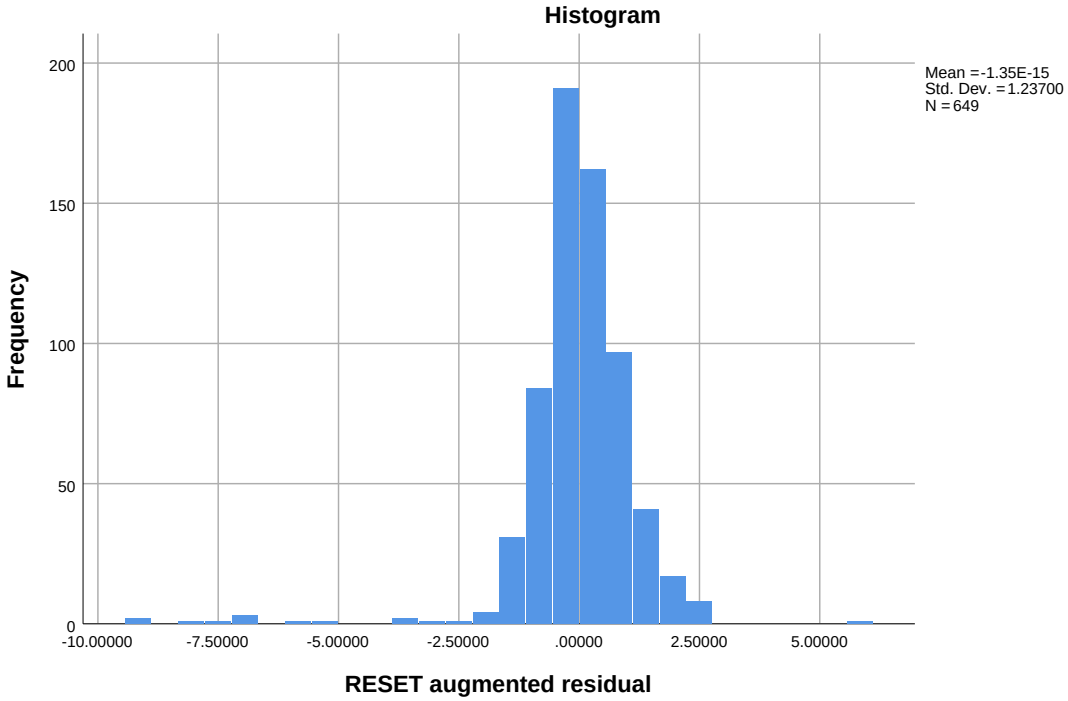


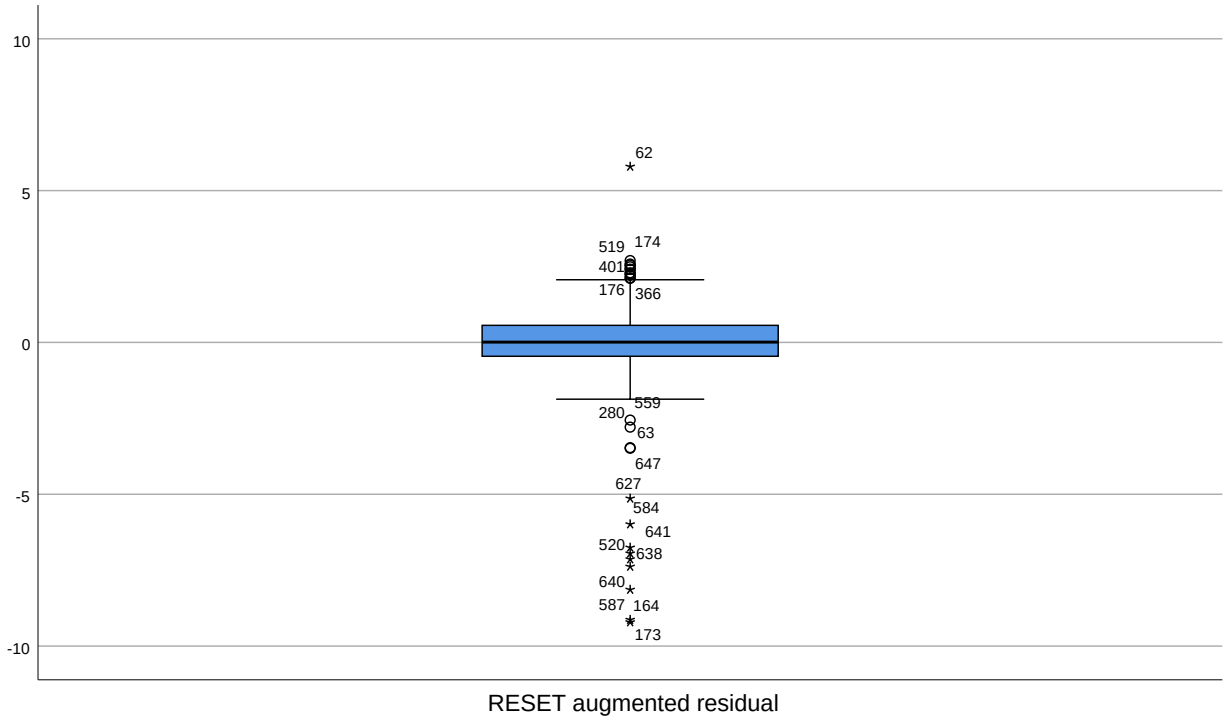
RESET diagnostic correlations
Residuals and fitted power terms




## RESET augmented residual

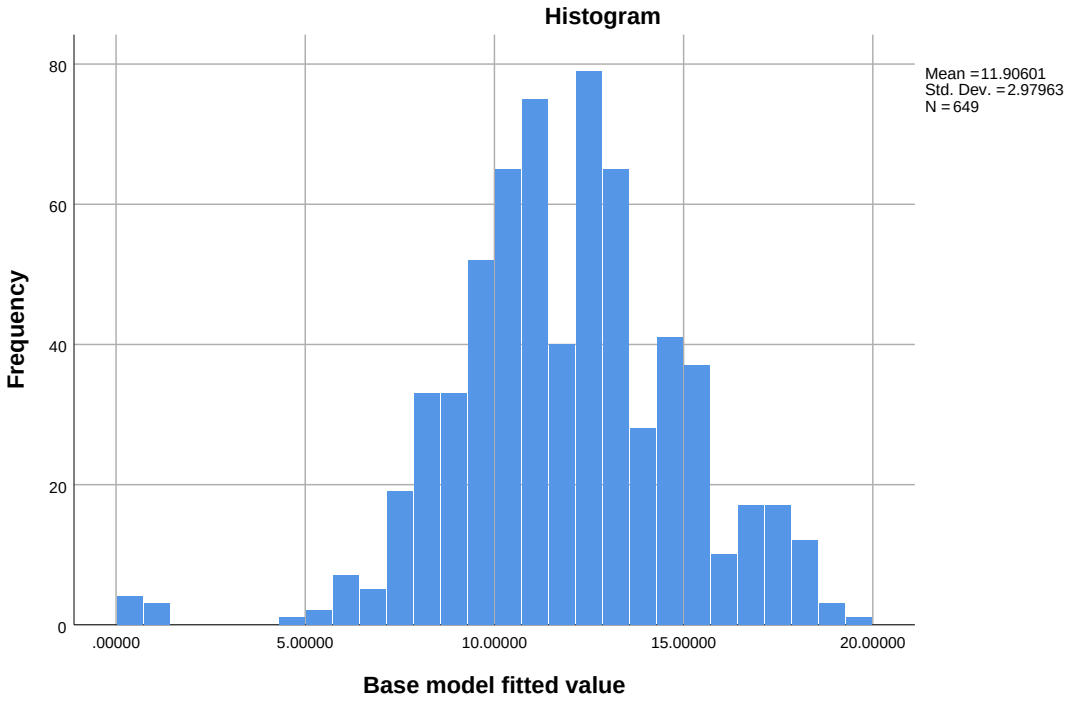
RESET diagnostic correlations
Residuals and fitted power terms



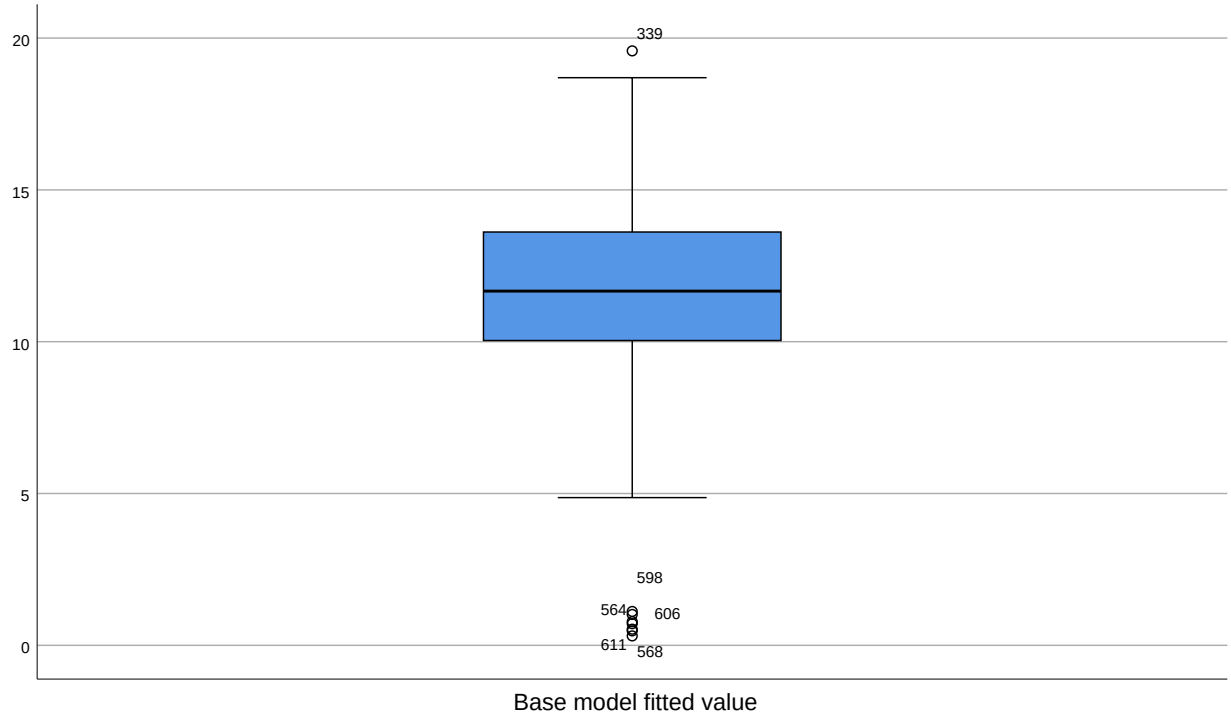



RESET diagnostic correlations
Residuals and fitted power terms

## Base model fitted value

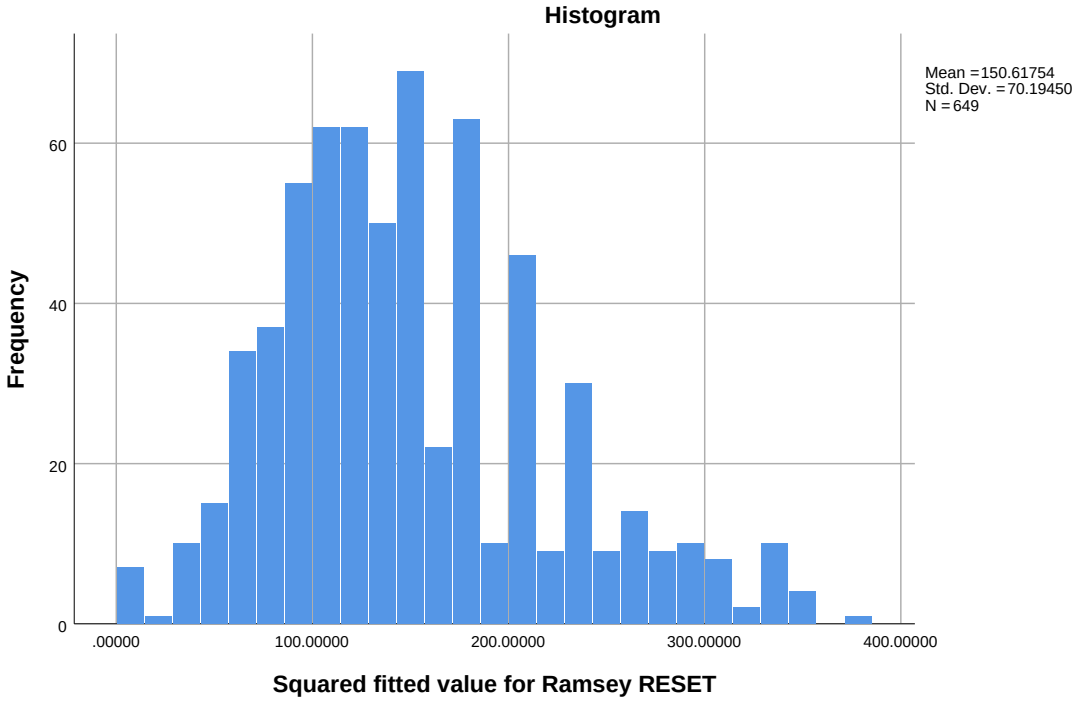


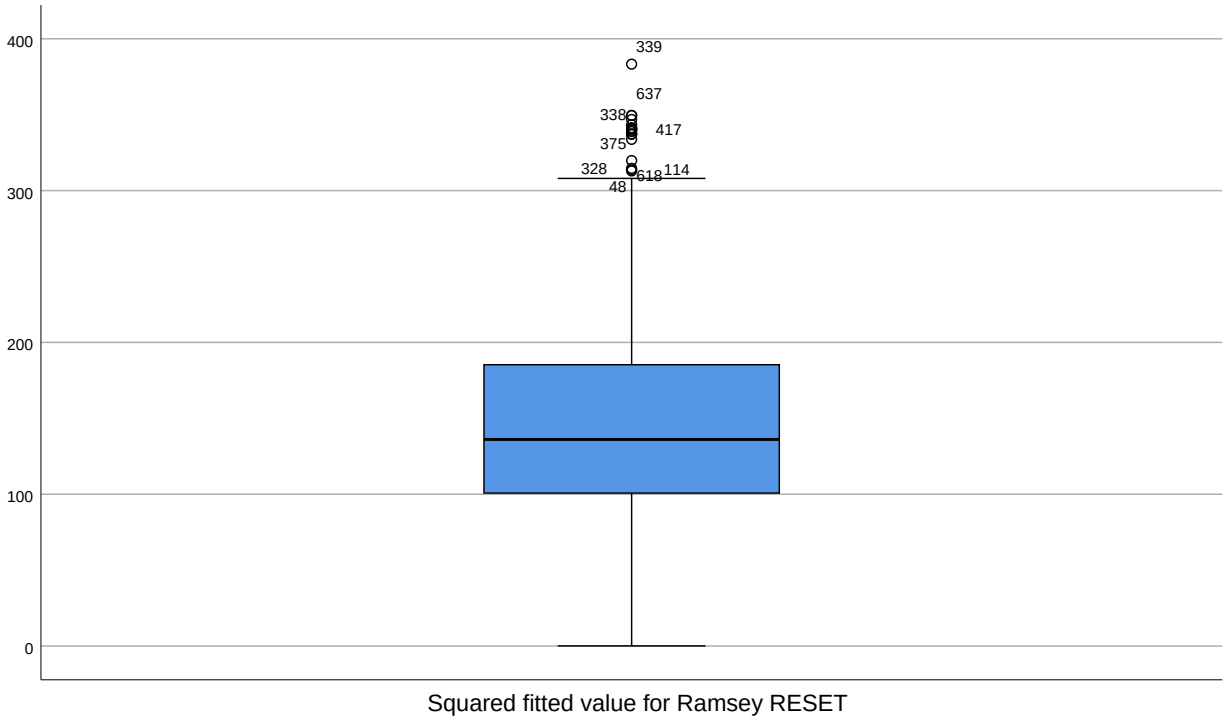
RESET diagnostic correlations
Residuals and fitted power terms




## Squared fitted value for Ramsey RESET

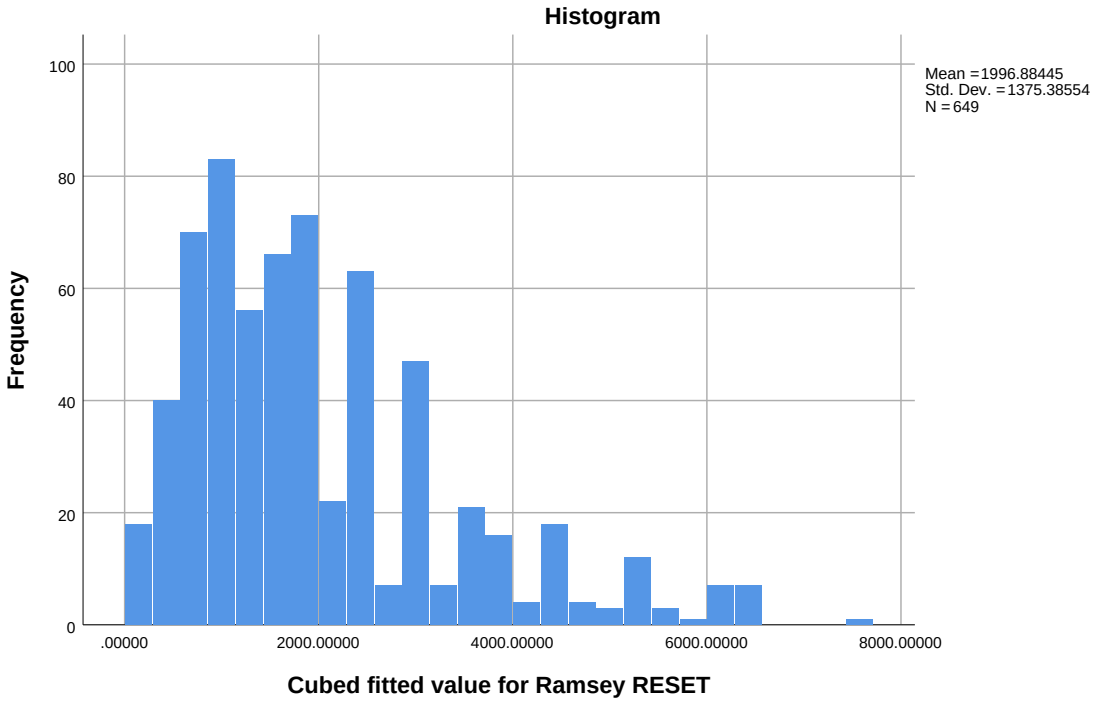
RESET diagnostic correlations
Residuals and fitted power terms



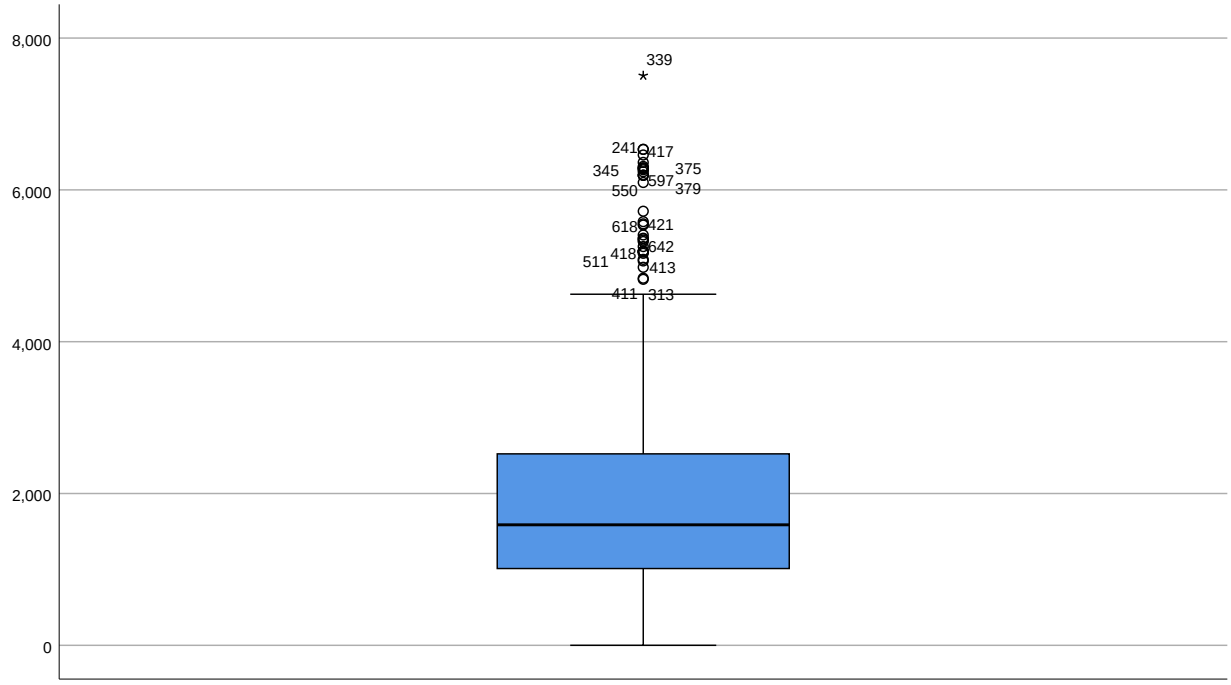



RESET diagnostic correlations
Residuals and fitted power terms

## Cubed fitted value for Ramsey RESET



RESET diagnostic correlations
Residuals and fitted power terms




Cubed fitted value for Ramsey RESET