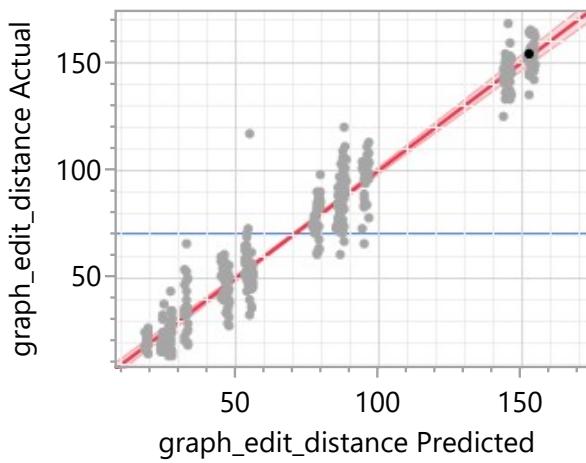


## Table of Contents

|                                      |   |
|--------------------------------------|---|
| Fit Group.....                       | 4 |
| Response graph_edit_distance.....    | 4 |
| Actual by Predicted Plot.....        | 4 |
| Effect Summary.....                  | 4 |
| Lack Of Fit.....                     | 4 |
| Residual by Predicted Plot.....      | 4 |
| Studentized Residuals.....           | 5 |
| Parameter Estimates.....             | 5 |
| Effect Tests.....                    | 5 |
| Effect Details.....                  | 5 |
| app_id.....                          | 5 |
| Least Squares Means Table.....       | 5 |
| version.....                         | 6 |
| Least Squares Means Table.....       | 6 |
| rag.....                             | 6 |
| Least Squares Means Table.....       | 6 |
| summarized.....                      | 6 |
| Least Squares Means Table.....       | 6 |
| Box-Cox Transformations.....         | 6 |
| Scaled Estimates.....                | 6 |
| Prediction Profiler.....             | 7 |
| Response validity_edit_distance..... | 7 |
| Actual by Predicted Plot.....        | 7 |
| Effect Summary.....                  | 8 |
| Lack Of Fit.....                     | 8 |
| Residual by Predicted Plot.....      | 8 |
| Studentized Residuals.....           | 8 |
| Parameter Estimates.....             | 9 |
| Effect Tests.....                    | 9 |
| Effect Details.....                  | 9 |
| app_id.....                          | 9 |
| Least Squares Means Table.....       | 9 |
| version.....                         | 9 |
| Least Squares Means Table.....       | 9 |

|                                  |    |
|----------------------------------|----|
| rag .....                        | 10 |
| Least Squares Means Table .....  | 10 |
| summarized .....                 | 10 |
| Least Squares Means Table .....  | 10 |
| Box-Cox Transformations .....    | 10 |
| Scaled Estimates .....           | 10 |
| Prediction Profiler .....        | 11 |
| Response mean_in_tok .....       | 11 |
| Actual by Predicted Plot .....   | 11 |
| Effect Summary .....             | 12 |
| Lack Of Fit .....                | 12 |
| Residual by Predicted Plot ..... | 12 |
| Studentized Residuals .....      | 12 |
| Parameter Estimates .....        | 13 |
| Effect Tests .....               | 13 |
| Effect Details .....             | 13 |
| app_id .....                     | 13 |
| Least Squares Means Table .....  | 13 |
| version .....                    | 13 |
| Least Squares Means Table .....  | 13 |
| rag .....                        | 14 |
| Least Squares Means Table .....  | 14 |
| summarized .....                 | 14 |
| Least Squares Means Table .....  | 14 |
| Scaled Estimates .....           | 14 |
| Prediction Profiler .....        | 15 |
| Response mean_out_tok .....      | 15 |
| Actual by Predicted Plot .....   | 15 |
| Effect Summary .....             | 16 |
| Lack Of Fit .....                | 16 |
| Residual by Predicted Plot ..... | 16 |
| Studentized Residuals .....      | 16 |
| Parameter Estimates .....        | 17 |
| Effect Tests .....               | 17 |
| Effect Details .....             | 17 |
| app_id .....                     | 17 |
| Least Squares Means Table .....  | 17 |
| version .....                    | 17 |
| Least Squares Means Table .....  | 17 |
| rag .....                        | 18 |

|                                 |    |
|---------------------------------|----|
| Least Squares Means Table.....  | 18 |
| summarized.....                 | 18 |
| Least Squares Means Table.....  | 18 |
| Scaled Estimates .....          | 18 |
| Prediction Profiler.....        | 19 |
| Response iterations.....        | 19 |
| Actual by Predicted Plot.....   | 19 |
| Effect Summary.....             | 20 |
| Lack Of Fit.....                | 20 |
| Residual by Predicted Plot..... | 20 |
| Studentized Residuals .....     | 20 |
| Parameter Estimates.....        | 21 |
| Effect Tests.....               | 21 |
| Effect Details.....             | 21 |
| app_id.....                     | 21 |
| Least Squares Means Table.....  | 21 |
| version.....                    | 21 |
| Least Squares Means Table.....  | 21 |
| rag .....                       | 22 |
| Least Squares Means Table.....  | 22 |
| summarized.....                 | 22 |
| Least Squares Means Table.....  | 22 |
| Scaled Estimates .....          | 22 |
| Prediction Profiler.....        | 23 |

**Fit Group****Response graph\_edit\_distance****Actual by Predicted Plot**

RMSE=9.3257 RSq=0.95

PValue=&lt;.0001

**Effect Summary**

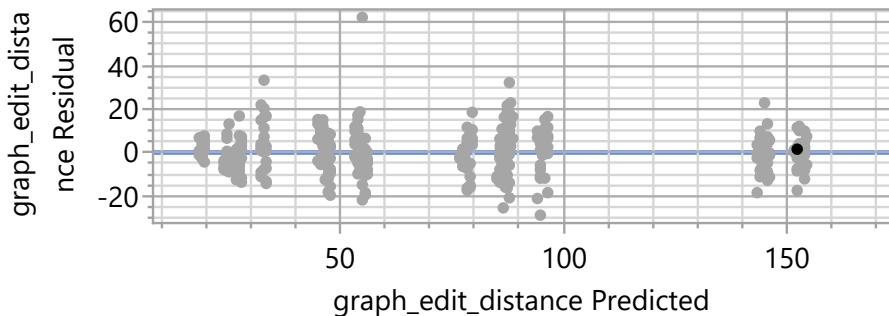
| Source     | Logworth | PValue  |
|------------|----------|---------|
| app_id     | 273.607  | 0.00000 |
| summarized | 18.206   | 0.00000 |
| rag        | 0.922    | 0.11979 |
| version    | 0.181    | 0.65889 |

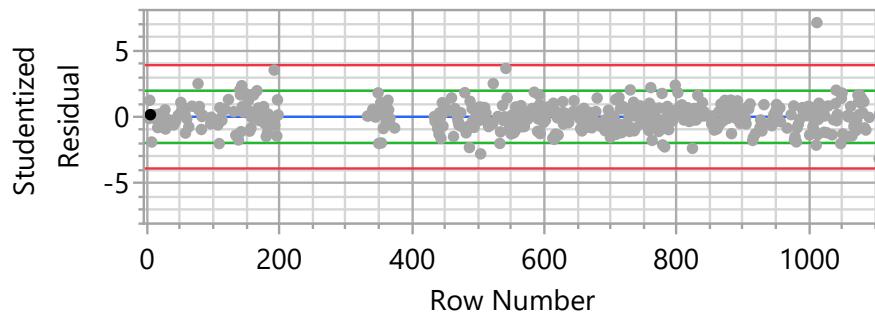
**Lack Of Fit**

| Source      | DF  | Sum of Squares |          | F Ratio |
|-------------|-----|----------------|----------|---------|
|             |     | Mean Square    | Prob > F |         |
| Lack Of Fit | 48  | 8529.451       | 177.697  | 2.3487  |
| Pure Error  | 385 | 29128.079      | 75.657   | <.0001* |
| Total Error | 433 | 37657.530      |          |         |

**Max RSq**

0.9632

**Residual by Predicted Plot**

**Fit Group****Response graph\_edit\_distance****Studentized Residuals**

Externally studentized residuals with 95% simultaneous limits

(Bonferroni) in red, individual limits in green.

**Parameter Estimates**

| Term                        | Estimate  | Std Error | t Ratio | Prob> t |
|-----------------------------|-----------|-----------|---------|---------|
| Intercept                   | 71.081333 | 0.508763  | 139.71  | <.0001* |
| app_id[WordPress]           | -41.71097 | 1.148101  | -36.33  | <.0001* |
| app_id[Stack4Things]        | 78.016634 | 1.034206  | 75.44   | <.0001* |
| app_id[Open Energy Monitor] | -20.63285 | 0.872158  | -23.66  | <.0001* |
| app_id[JetRacer]            | 11.249455 | 0.983329  | 11.44   | <.0001* |
| app_id[eWeLink]             | -47.26447 | 1.171999  | -40.33  | <.0001* |
| version[v3]                 | 0.0620656 | 0.598231  | 0.10    | 0.9174  |
| version[v2]                 | 0.5370269 | 0.669996  | 0.80    | 0.4233  |
| rag[1]                      | 0.8275237 | 0.530891  | 1.56    | 0.1198  |
| summarized[1]               | 4.1657951 | 0.447212  | 9.32    | <.0001* |

**Effect Tests**

| Source     | Nparm | DF | Sum of Squares |          |          |
|------------|-------|----|----------------|----------|----------|
|            |       |    | Squares        | F Ratio  | Prob > F |
| app_id     | 5     | 5  | 678637.22      | 1560.644 | <.0001*  |
| version    | 2     | 2  | 72.64          | 0.4176   | 0.6589   |
| rag        | 1     | 1  | 211.31         | 2.4297   | 0.1198   |
| summarized | 1     | 1  | 7546.27        | 86.7697  | <.0001*  |

**Effect Details****app\_id****Least Squares Means Table**

| Level               | Sq Mean | Std Error | Least |     |     | Mean   |
|---------------------|---------|-----------|-------|-----|-----|--------|
|                     |         |           | 50    | 100 | 150 |        |
| WordPress           | 29.370  | 1.307     | ●     |     |     | 28.36  |
| Stack4Things        | 149.098 | 1.143     |       | ●   |     | 148.74 |
| Open Energy Monitor | 50.448  | 0.883     |       | ●   |     | 50.88  |
| JetRacer            | 82.331  | 0.999     |       | ●   |     | 83.49  |
| eWeLink             | 23.817  | 1.346     | ●     |     |     | 23.14  |
| BookInfo            | 91.424  | 1.379     |       | ●   |     | 92.11  |

**Fit Group****Response graph\_edit\_distance****Effect Details****version****Least Squares Means Table**

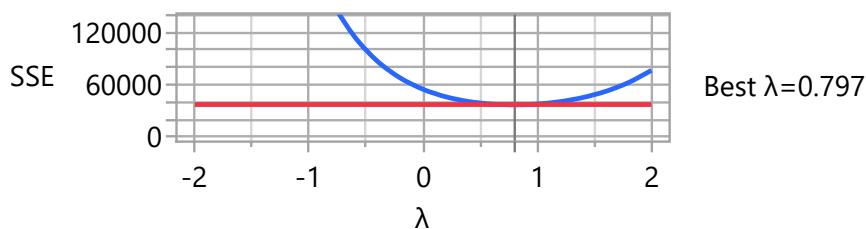
| Level | Least Sq Mean | Std Error | 50 | 100 | 150 | Mean   |
|-------|---------------|-----------|----|-----|-----|--------|
| v3    | 71.1434       | 0.6789    |    | ●   |     | 75.841 |
| v2    | 71.6184       | 0.8620    |    | ●   |     | 67.762 |
| v1    | 70.4822       | 0.9398    |    | ●   |     | 64.447 |

**rag****Least Squares Means Table**

| Level | Least Sq Mean | Std Error | 50 | 100 | 150 | Mean   |
|-------|---------------|-----------|----|-----|-----|--------|
| 1     | 71.9089       | 0.8389    |    | ●   |     | 84.972 |
| 0     | 70.2538       | 0.6145    |    | ●   |     | 61.614 |

**summarized****Least Squares Means Table**

| Level | Least Sq Mean | Std Error | 50 | 100 | 150 | Mean   |
|-------|---------------|-----------|----|-----|-----|--------|
| 1     | 75.2471       | 0.6651    |    | ●   |     | 74.415 |
| 0     | 66.9155       | 0.6895    |    | ●   |     | 66.879 |

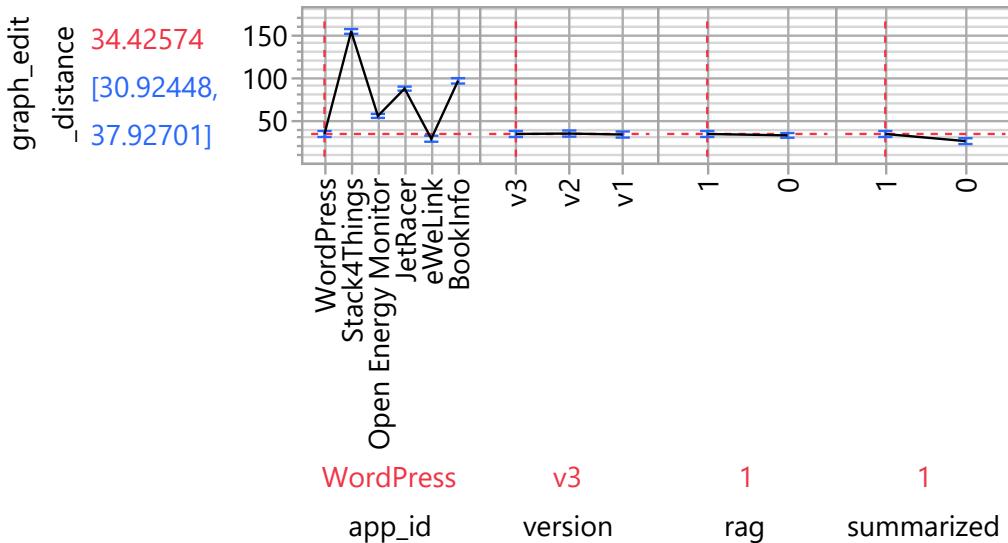
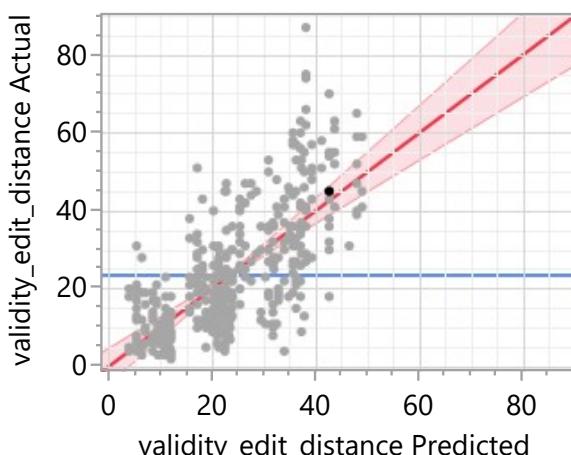
**Box-Cox Transformations**Best  $\lambda=0.797$ **Scaled Estimates**

Nominal factors expanded to all levels

| Term                        | Scaled Estimate | Std Error | t Ratio | Prob> t |
|-----------------------------|-----------------|-----------|---------|---------|
| Intercept                   | 71.081333       | 0.508763  | 139.71  | <.0001* |
| app_id[WordPress]           | -41.71097       | 1.148101  | -36.33  | <.0001* |
| app_id[Stack4Things]        | 78.016634       | 1.034206  | 75.44   | <.0001* |
| app_id[Open Energy Monitor] | -20.63285       | 0.872158  | -23.66  | <.0001* |
| app_id[JetRacer]            | 11.249455       | 0.983329  | 11.44   | <.0001* |
| app_id[eWeLink]             | -47.26447       | 1.171999  | -40.33  | <.0001* |
| app_id[BookInfo]            | 20.34221        | 1.210305  | 16.81   | <.0001* |

**Fit Group****Response graph\_edit\_distance****Scaled Estimates**

| Term          | Scaled Estimate | Std Error | t Ratio | Prob> t |
|---------------|-----------------|-----------|---------|---------|
| version[v3]   | 0.0620656       | 0.598231  | 0.10    | 0.9174  |
| version[v2]   | 0.5370269       | 0.669996  | 0.80    | 0.4233  |
| version[v1]   | -0.599093       | 0.709921  | -0.84   | 0.3992  |
| rag[1]        | 0.8275237       | 0.530891  | 1.56    | 0.1198  |
| rag[0]        | -0.827524       | 0.530891  | -1.56   | 0.1198  |
| summarized[1] | 4.1657951       | 0.447212  | 9.32    | <.0001* |
| summarized[0] | -4.165795       | 0.447212  | -9.32   | <.0001* |

**Prediction Profiler****Response validity\_edit\_distance****Actual by Predicted Plot**

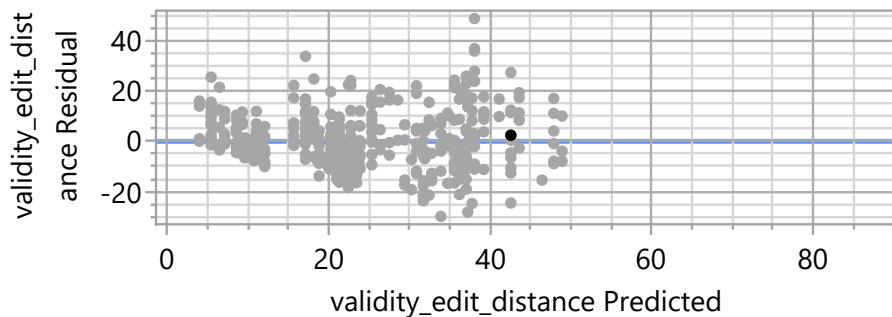
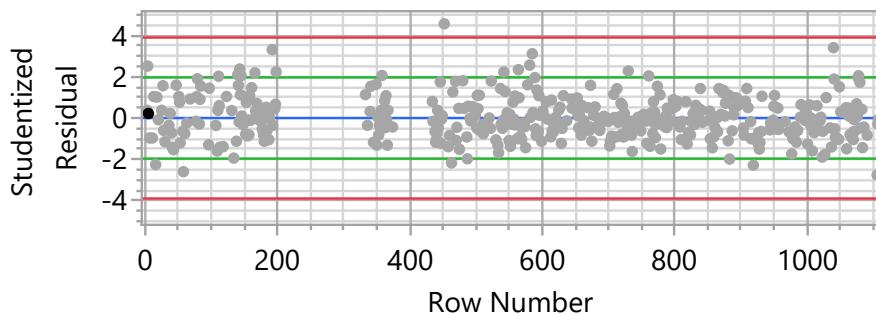
**Fit Group****Response validity\_edit\_distance****Effect Summary**

| Source     | Logworth | PValue  |
|------------|----------|---------|
| app_id     | 45.028   | 0.00000 |
| summarized | 24.329   | 0.00000 |
| rag        | 4.525    | 0.00003 |
| version    | 0.614    | 0.24300 |

**Lack Of Fit**

| Source      | DF  | Sum of    |             | F Ratio  |
|-------------|-----|-----------|-------------|----------|
|             |     | Squares   | Mean Square |          |
| Lack Of Fit | 48  | 17136.334 | 357.007     | 3.8236   |
| Pure Error  | 385 | 35946.786 | 93.368      | Prob > F |
| Total Error | 433 | 53083.120 |             | <.0001*  |

**Max RSq**  
0.6738

**Residual by Predicted Plot****Studentized Residuals**

Externally studentized residuals with 95% simultaneous limits  
(Bonferroni) in red, individual limits in green.

**Fit Group****Response validity\_edit\_distance****Parameter Estimates**

| Term                        | Estimate  | Std Error | t Ratio | Prob> t |
|-----------------------------|-----------|-----------|---------|---------|
| Intercept                   | 24.725468 | 0.604044  | 40.93   | <.0001* |
| app_id[WordPress]           | -5.32017  | 1.363115  | -3.90   | 0.0001* |
| app_id[Stack4Things]        | 14.523772 | 1.227889  | 11.83   | <.0001* |
| app_id[Open Energy Monitor] | -10.93021 | 1.035493  | -10.56  | <.0001* |
| app_id[JetRacer]            | 3.6733223 | 1.167485  | 3.15    | 0.0018* |
| app_id[eWeLink]             | -7.796092 | 1.391489  | -5.60   | <.0001* |
| version[v3]                 | 0.1412003 | 0.710266  | 0.20    | 0.8425  |
| version[v2]                 | 1.1725521 | 0.795471  | 1.47    | 0.1412  |
| rag[1]                      | 2.6594    | 0.630315  | 4.22    | <.0001* |
| summarized[1]               | 5.8503001 | 0.530965  | 11.02   | <.0001* |

**Effect Tests**

| Source     | Nparm | DF | Sum of    | F Ratio  | Prob > F |
|------------|-------|----|-----------|----------|----------|
|            |       |    | Squares   |          |          |
| app_id     | 5     | 5  | 35187.866 | 57.4056  | <.0001*  |
| version    | 2     | 2  | 348.002   | 1.4193   | 0.2430   |
| rag        | 1     | 1  | 2182.334  | 17.8013  | <.0001*  |
| summarized | 1     | 1  | 14883.071 | 121.4015 | <.0001*  |

**Effect Details****app\_id****Least Squares Means Table**

| Level               | Least Sq Mean | Std Error | 0 | 40 | 80 | Mean   |
|---------------------|---------------|-----------|---|----|----|--------|
| WordPress           | 19.4053       | 1.552     | ● |    |    | 16.508 |
| Stack4Things        | 39.2492       | 1.357     |   | ●  |    | 38.657 |
| Open Energy Monitor | 13.7953       | 1.049     | ● |    |    | 14.548 |
| JetRacer            | 28.3988       | 1.186     |   | ●  |    | 30.581 |
| eWeLink             | 16.9294       | 1.598     | ● |    |    | 14.544 |
| BookInfo            | 30.5748       | 1.637     | ● |    |    | 31.319 |

**version****Least Squares Means Table**

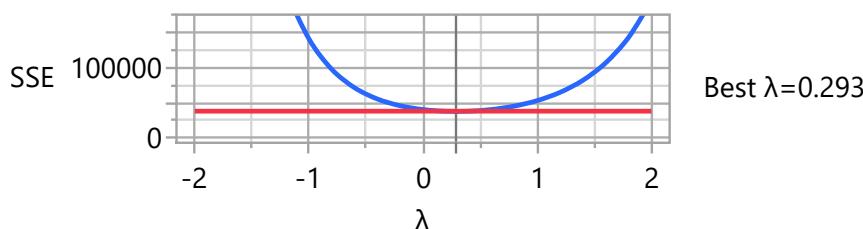
| Level | Least Sq Mean | Std Error | 0 | 40 | 80 | Mean   |
|-------|---------------|-----------|---|----|----|--------|
| v3    | 24.8667       | 0.806     | ● |    |    | 24.724 |
| v2    | 25.8980       | 1.023     |   | ●  |    | 23.849 |
| v1    | 23.4117       | 1.116     |   | ●  |    | 21.699 |

**Fit Group****Response validity\_edit\_distance****Effect Details****rag****Least Squares Means Table**

| Level | Least Sq Mean | Std Error | 0 40 80 | Mean   |
|-------|---------------|-----------|---------|--------|
| 1     | 27.3849       | 0.9960    | ●       | 28.438 |
| 0     | 22.0661       | 0.7296    | ●       | 20.697 |

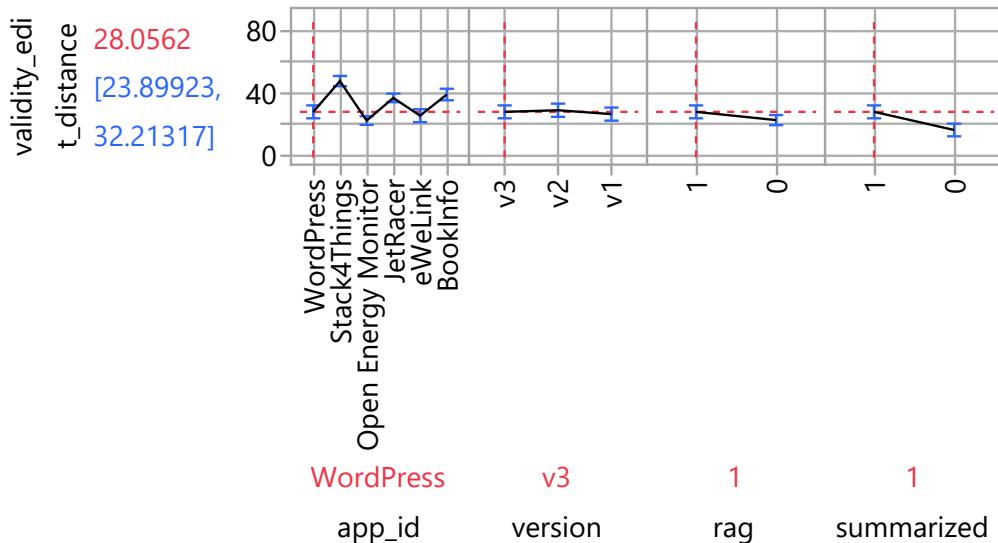
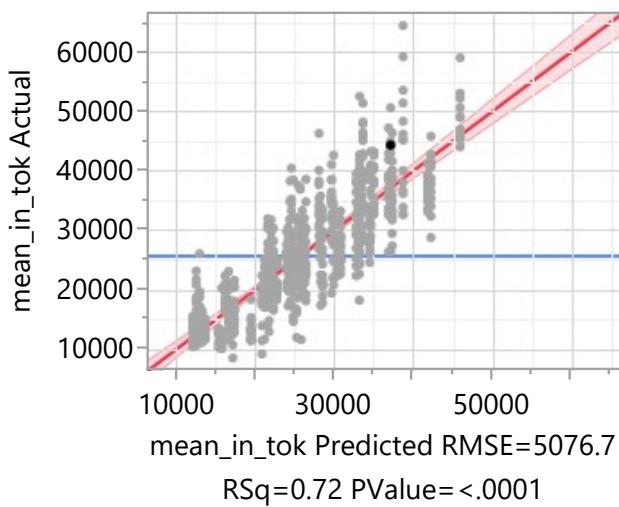
**summarized****Least Squares Means Table**

| Level | Least Sq Mean | Std Error | 0 40 80 | Mean   |
|-------|---------------|-----------|---------|--------|
| 1     | 30.5758       | 0.7896    | ●       | 29.144 |
| 0     | 18.8752       | 0.8186    | ●       | 17.647 |

**Box-Cox Transformations****Scaled Estimates**

Nominal factors expanded to all levels

| Term                        | Scaled Estimate | Std Error | t Ratio | Prob> t |
|-----------------------------|-----------------|-----------|---------|---------|
| Intercept                   | 24.725468       | 0.604044  | 40.93   | <.0001* |
| app_id[WordPress]           | -5.32017        | 1.363115  | -3.90   | 0.0001* |
| app_id[Stack4Things]        | 14.523772       | 1.227889  | 11.83   | <.0001* |
| app_id[Open Energy Monitor] | -10.93021       | 1.035493  | -10.56  | <.0001* |
| app_id[JetRacer]            | 3.6733223       | 1.167485  | 3.15    | 0.0018* |
| app_id[eWeLink]             | -7.796092       | 1.391489  | -5.60   | <.0001* |
| app_id[BookInfo]            | 5.8493751       | 1.436968  | 4.07    | <.0001* |
| version[v3]                 | 0.1412003       | 0.710266  | 0.20    | 0.8425  |
| version[v2]                 | 1.1725521       | 0.795471  | 1.47    | 0.1412  |
| version[v1]                 | -1.313752       | 0.842873  | -1.56   | 0.1198  |
| rag[1]                      | 2.6594          | 0.630315  | 4.22    | <.0001* |
| rag[0]                      | -2.6594         | 0.630315  | -4.22   | <.0001* |
| summarized[1]               | 5.8503001       | 0.530965  | 11.02   | <.0001* |
| summarized[0]               | -5.8503         | 0.530965  | -11.02  | <.0001* |

**Fit Group****Response validity\_edit\_distance****Prediction Profiler****Response mean\_in\_tok****Actual by Predicted Plot**

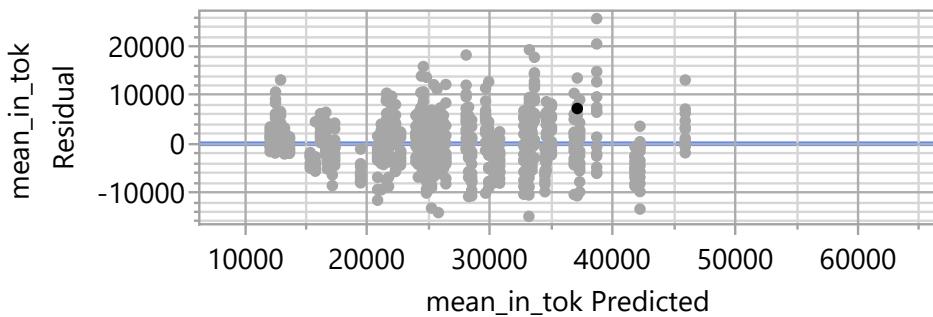
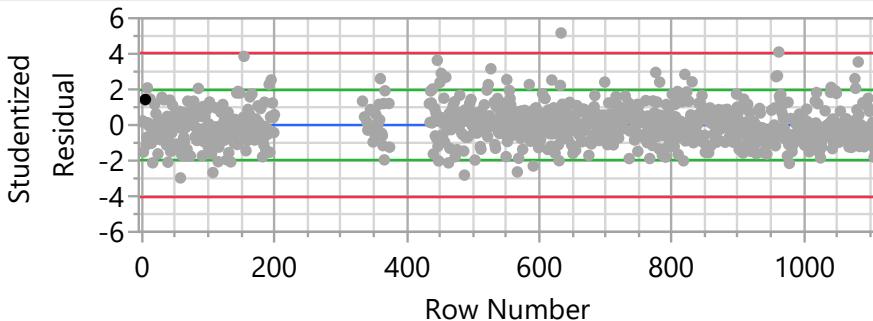
**Fit Group****Response mean\_in\_tok****Effect Summary**

| Source     | Logworth | PValue  |
|------------|----------|---------|
| summarized | 115.495  | 0.00000 |
| app_id     | 95.441   | 0.00000 |
| rag        | 93.172   | 0.00000 |
| version    | 24.203   | 0.00000 |

**Lack Of Fit**

| Source      | DF  | Sum of     |             | F Ratio  |
|-------------|-----|------------|-------------|----------|
|             |     | Squares    | Mean Square |          |
| Lack Of Fit | 50  | 7887393323 | 157747866   | 8.8043   |
| Pure Error  | 840 | 1.505e+10  | 17917080    | Prob > F |
| Total Error | 890 | 2.2938e+10 |             | <.0001*  |

**Max RSq**  
0.8179

**Residual by Predicted Plot****Studentized Residuals**

Externally studentized residuals with 95% simultaneous limits  
(Bonferroni) in red, individual limits in green.

**Fit Group****Response mean\_in\_tok****Parameter Estimates**

| Term                        | Estimate  | Std Error | t Ratio | Prob> t |
|-----------------------------|-----------|-----------|---------|---------|
| Intercept                   | 26071.022 | 189.1969  | 137.80  | <.0001* |
| app_id[WordPress]           | -3570.838 | 488.5044  | -7.31   | <.0001* |
| app_id[Stack4Things]        | 8309.7142 | 362.2845  | 22.94   | <.0001* |
| app_id[Open Energy Monitor] | -3129.862 | 362.2845  | -8.64   | <.0001* |
| app_id[JetRacer]            | -295.3685 | 362.2845  | -0.82   | 0.4151  |
| app_id[eWeLink]             | -2404.056 | 488.5044  | -4.92   | <.0001* |
| version[v3]                 | 2596.9092 | 239.3173  | 10.85   | <.0001* |
| version[v2]                 | -1092.582 | 239.3173  | -4.57   | <.0001* |
| rag[1]                      | 4401.4717 | 189.1969  | 23.26   | <.0001* |
| summarized[1]               | 4528.5868 | 169.2229  | 26.76   | <.0001* |

**Effect Tests**

| Source     | Nparm | DF | Sum of     |          |          |
|------------|-------|----|------------|----------|----------|
|            |       |    | Squares    | F Ratio  | Prob > F |
| app_id     | 5     | 5  | 1.5287e+10 | 118.6273 | <.0001*  |
| version    | 2     | 2  | 3060201962 | 59.3690  | <.0001*  |
| rag        | 1     | 1  | 1.3949e+10 | 541.2123 | <.0001*  |
| summarized | 1     | 1  | 1.8457e+10 | 716.1554 | <.0001*  |

**Effect Details****app\_id****Least Squares Means Table**

| Level               | Least Sq Mean | Std Error | 10000 | 40000 | Mean  |
|---------------------|---------------|-----------|-------|-------|-------|
| WordPress           | 22500.2       | 567.6     | ●     |       | 18099 |
| Stack4Things        | 34380.7       | 378.4     | ●     | ●     | 34381 |
| Open Energy Monitor | 22941.2       | 378.4     | ●     |       | 22941 |
| JetRacer            | 25775.7       | 378.4     | ●     |       | 25776 |
| eWeLink             | 23667.0       | 567.6     | ●     |       | 19265 |
| BookInfo            | 27161.4       | 378.4     | ●     |       | 27161 |

**version****Least Squares Means Table**

| Level | Least Sq Mean | Std Error | 10000 | 40000 | Mean  |
|-------|---------------|-----------|-------|-------|-------|
| v3    | 28667.9       | 305.1     | ●     |       | 28385 |
| v2    | 24978.4       | 305.1     | ●     |       | 24696 |
| v1    | 24566.7       | 305.1     | ●     |       | 24284 |

**Fit Group****Response mean\_in\_tok****Effect Details****rag****Least Squares Means Table**

| Level | Least Sq Mean | Std Error | 10000 | 40000 | Mean  |
|-------|---------------|-----------|-------|-------|-------|
| 1     | 30472.5       | 309.0     |       | ●     | 31966 |
| 0     | 21669.5       | 218.5     | ●     |       | 21670 |

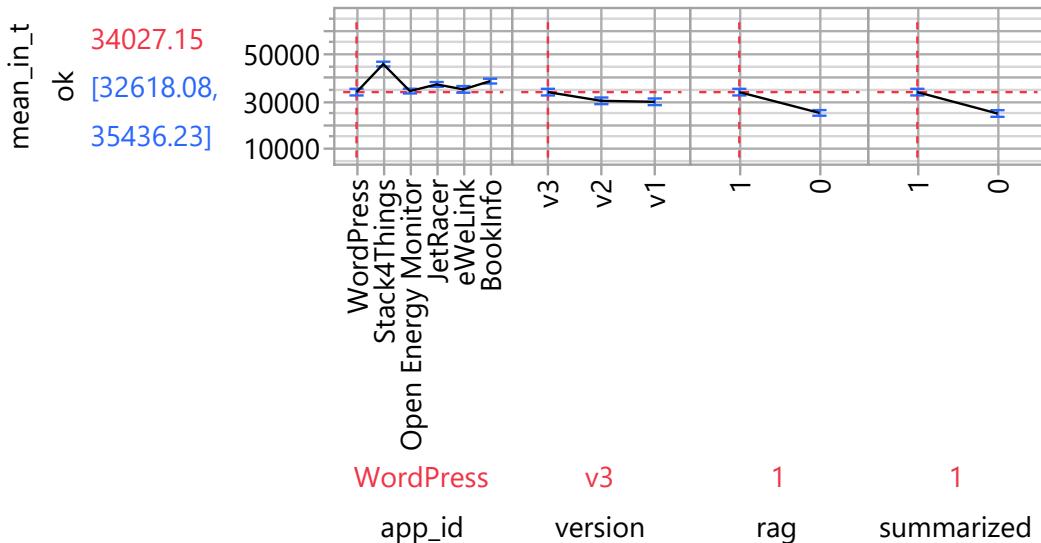
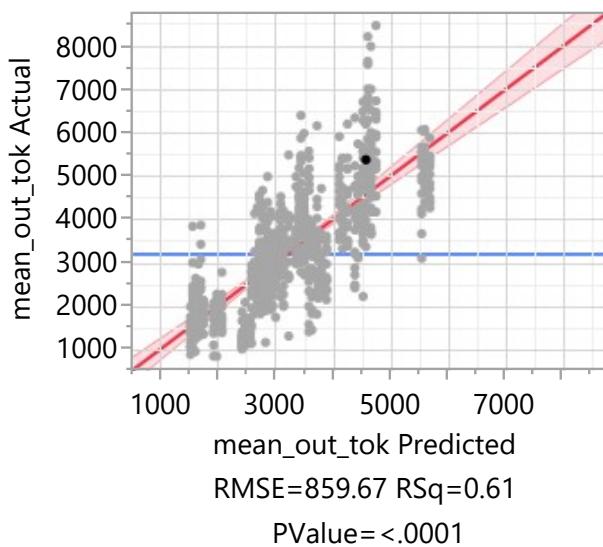
**summarized****Least Squares Means Table**

| Level | Least Sq Mean | Std Error | 10000 | 40000 | Mean  |
|-------|---------------|-----------|-------|-------|-------|
| 1     | 30599.6       | 253.8     |       | ●     | 30317 |
| 0     | 21542.4       | 253.8     | ●     |       | 21260 |

**Scaled Estimates**

Nominal factors expanded to all levels

| Term                        | Scaled Estimate | Std Error | t Ratio | Prob> t |
|-----------------------------|-----------------|-----------|---------|---------|
| Intercept                   | 26071.022       | 189.1969  | 137.80  | <.0001* |
| app_id[WordPress]           | -3570.838       | 488.5044  | -7.31   | <.0001* |
| app_id[Stack4Things]        | 8309.7142       | 362.2845  | 22.94   | <.0001* |
| app_id[Open Energy Monitor] | -3129.862       | 362.2845  | -8.64   | <.0001* |
| app_id[JetRacer]            | -295.3685       | 362.2845  | -0.82   | 0.4151  |
| app_id[eWeLink]             | -2404.056       | 488.5044  | -4.92   | <.0001* |
| app_id[BookInfo]            | 1090.4103       | 362.2845  | 3.01    | 0.0027* |
| version[v3]                 | 2596.9092       | 239.3173  | 10.85   | <.0001* |
| version[v2]                 | -1092.582       | 239.3173  | -4.57   | <.0001* |
| version[v1]                 | -1504.327       | 239.3173  | -6.29   | <.0001* |
| rag[1]                      | 4401.4717       | 189.1969  | 23.26   | <.0001* |
| rag[0]                      | -4401.472       | 189.1969  | -23.26  | <.0001* |
| summarized[1]               | 4528.5868       | 169.2229  | 26.76   | <.0001* |
| summarized[0]               | -4528.587       | 169.2229  | -26.76  | <.0001* |

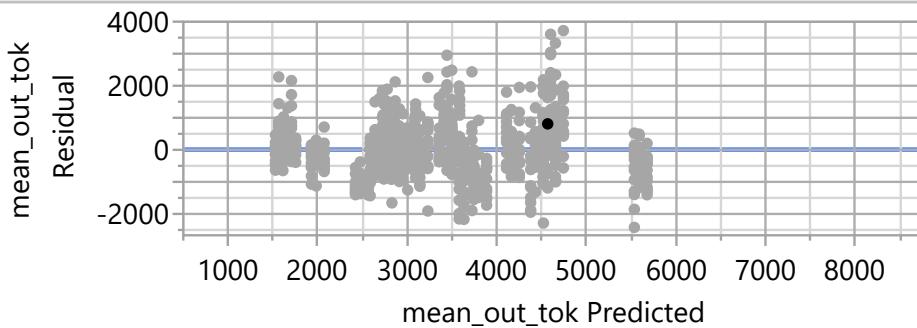
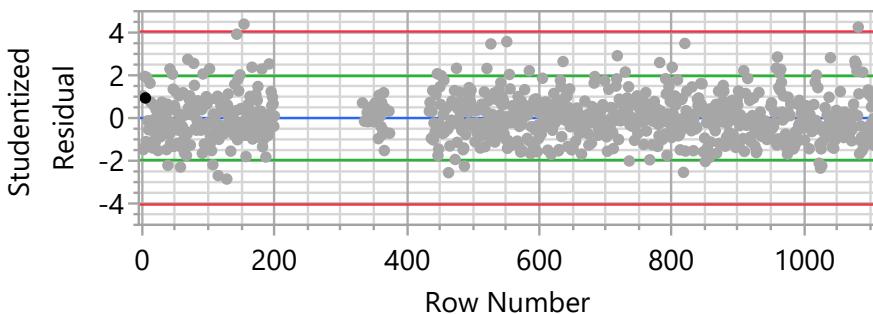
**Fit Group****Response mean\_in\_tok****Prediction Profiler****Response mean\_out Tok****Actual by Predicted Plot**

**Fit Group****Response mean\_out\_tok****Effect Summary**

| Source     | Logworth | PValue  |
|------------|----------|---------|
| app_id     | 87.270   | 0.00000 |
| summarized | 74.229   | 0.00000 |
| rag        | 49.735   | 0.00000 |
| version    | 0.910    | 0.12308 |

**Lack Of Fit**

| Source      | DF  | Sum of    |             | F Ratio  |
|-------------|-----|-----------|-------------|----------|
|             |     | Squares   | Mean Square |          |
| Lack Of Fit | 50  | 266574706 | 5331494     | 11.4490  |
| Pure Error  | 840 | 391165723 | 465673      | Prob > F |
| Total Error | 890 | 657740429 |             | <.0001*  |
|             |     |           |             | Max RSq  |
|             |     |           |             | 0.7704   |

**Residual by Predicted Plot****Studentized Residuals**

Externally studentized residuals with 95% simultaneous limits  
(Bonferroni) in red, individual limits in green.

**Fit Group****Response mean\_out Tok****Parameter Estimates**

| Term                        | Estimate  | Std Error | t Ratio | Prob> t |
|-----------------------------|-----------|-----------|---------|---------|
| Intercept                   | 3223.6764 | 32.03805  | 100.62  | <.0001* |
| app_id[WordPress]           | -540.1538 | 82.72188  | -6.53   | <.0001* |
| app_id[Stack4Things]        | 1287.6137 | 61.34819  | 20.99   | <.0001* |
| app_id[Open Energy Monitor] | -503.8796 | 61.34819  | -8.21   | <.0001* |
| app_id[JetRacer]            | 352.92916 | 61.34819  | 5.75    | <.0001* |
| app_id[eWeLink]             | -457.302  | 82.72188  | -5.53   | <.0001* |
| version[v3]                 | -11.75994 | 40.52528  | -0.29   | 0.7717  |
| version[v2]                 | -65.31799 | 40.52528  | -1.61   | 0.1074  |
| rag[1]                      | 510.40502 | 32.03805  | 15.93   | <.0001* |
| summarized[1]               | 578.70894 | 28.6557   | 20.20   | <.0001* |

**Effect Tests**

| Source     | Nparm | DF | Sum of    |          | Prob > F |
|------------|-------|----|-----------|----------|----------|
|            |       |    | Squares   | F Ratio  |          |
| app_id     | 5     | 5  | 392735204 | 106.2834 | <.0001*  |
| version    | 2     | 2  | 3103723   | 2.0999   | 0.1231   |
| rag        | 1     | 1  | 187569561 | 253.8036 | <.0001*  |
| summarized | 1     | 1  | 301413635 | 407.8480 | <.0001*  |

**Effect Details****app\_id****Least Squares Means Table**

| Level               | Least Sq Mean | Std Error | 1000 | 4000 | 7000 | Mean   |
|---------------------|---------------|-----------|------|------|------|--------|
| WordPress           | 2683.52       | 96.11     | ●    |      |      | 2173.1 |
| Stack4Things        | 4511.29       | 64.08     |      | ●    |      | 4511.3 |
| Open Energy Monitor | 2719.80       | 64.08     | ●    |      |      | 2719.8 |
| JetRacer            | 3576.61       | 64.08     |      | ●    |      | 3576.6 |
| eWeLink             | 2766.37       | 96.11     | ●    |      |      | 2256.0 |
| BookInfo            | 3084.47       | 64.08     | ●    |      |      | 3084.5 |

**version****Least Squares Means Table**

| Level | Least Sq Mean | Std Error | 1000 | 4000 | 7000 | Mean   |
|-------|---------------|-----------|------|------|------|--------|
| v3    | 3211.92       | 51.66     |      | ●    |      | 3209.6 |
| v2    | 3158.36       | 51.66     |      | ●    |      | 3156.0 |
| v1    | 3300.75       | 51.66     |      | ●    |      | 3298.4 |

**Fit Group****Response mean\_out Tok****Effect Details****rag****Least Squares Means Table**

| Level | Least Sq Mean | Std Error | 1000 | 4000 | 7000 | Mean   |
|-------|---------------|-----------|------|------|------|--------|
| 1     | 3734.08       | 52.32     |      | ●    |      | 3983.4 |
| 0     | 2713.27       | 36.99     | ●    |      |      | 2713.3 |

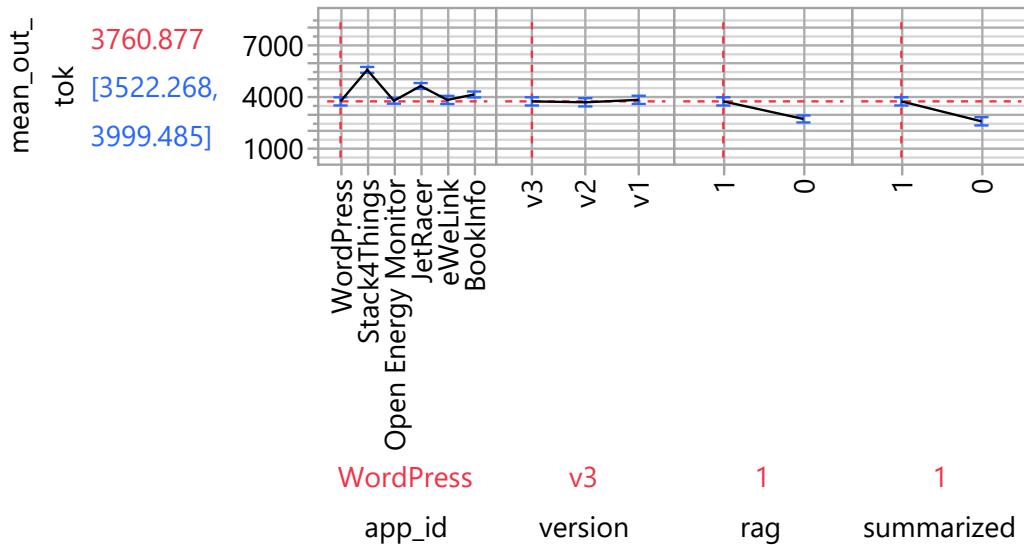
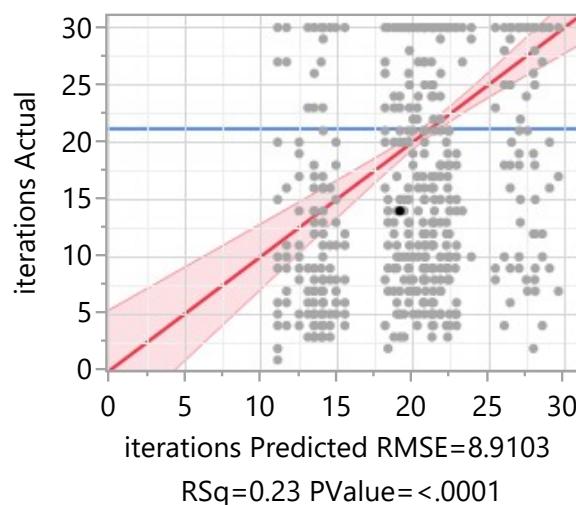
**summarized****Least Squares Means Table**

| Level | Least Sq Mean | Std Error | 1000 | 4000 | 7000 | Mean   |
|-------|---------------|-----------|------|------|------|--------|
| 1     | 3802.39       | 42.98     |      | ●    |      | 3800.0 |
| 0     | 2644.97       | 42.98     | ●    |      |      | 2642.6 |

**Scaled Estimates**

Nominal factors expanded to all levels

| Term                        | Scaled Estimate | Std Error | t Ratio | Prob> t |
|-----------------------------|-----------------|-----------|---------|---------|
| Intercept                   | 3223.6764       | 32.03805  | 100.62  | <.0001* |
| app_id[WordPress]           | -540.1538       | 82.72188  | -6.53   | <.0001* |
| app_id[Stack4Things]        | 1287.6137       | 61.34819  | 20.99   | <.0001* |
| app_id[Open Energy Monitor] | -503.8796       | 61.34819  | -8.21   | <.0001* |
| app_id[JetRacer]            | 352.92916       | 61.34819  | 5.75    | <.0001* |
| app_id[eWeLink]             | -457.302        | 82.72188  | -5.53   | <.0001* |
| app_id[BookInfo]            | -139.2076       | 61.34819  | -2.27   | 0.0235* |
| version[v3]                 | -11.75994       | 40.52528  | -0.29   | 0.7717  |
| version[v2]                 | -65.31799       | 40.52528  | -1.61   | 0.1074  |
| version[v1]                 | 77.07793        | 40.52528  | 1.90    | 0.0575  |
| rag[1]                      | 510.40502       | 32.03805  | 15.93   | <.0001* |
| rag[0]                      | -510.405        | 32.03805  | -15.93  | <.0001* |
| summarized[1]               | 578.70894       | 28.6557   | 20.20   | <.0001* |
| summarized[0]               | -578.7089       | 28.6557   | -20.20  | <.0001* |

**Fit Group****Response mean\_out\_tok****Prediction Profiler****Response iterations****Actual by Predicted Plot**

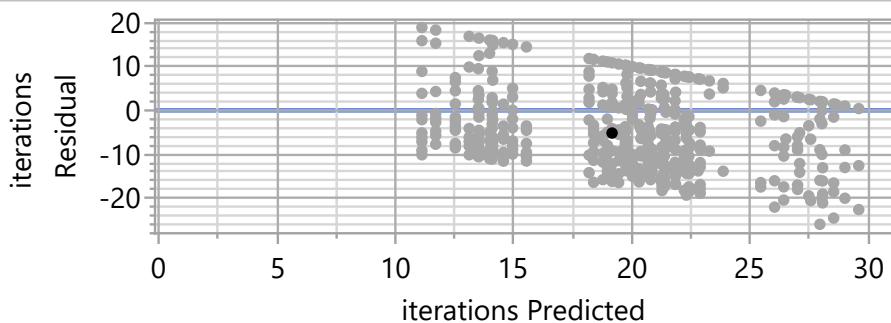
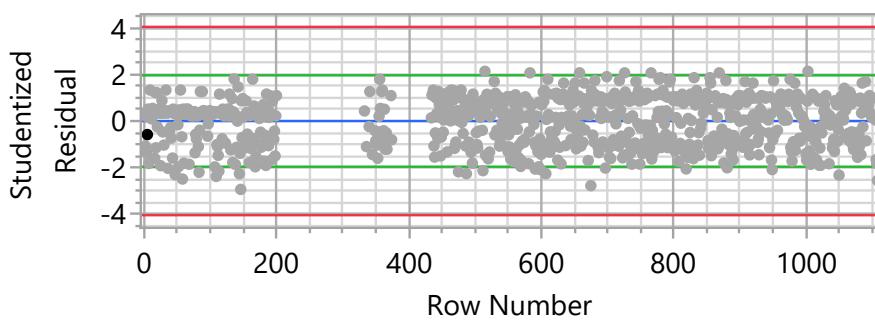
**Fit Group****Response iterations****Effect Summary**

| Source     | Logworth | PValue  |
|------------|----------|---------|
| version    | 31.027   | 0.00000 |
| app_id     | 21.220   | 0.00000 |
| rag        | 0.843    | 0.14358 |
| summarized | 0.488    | 0.32544 |

**Lack Of Fit**

| Source      | DF  | Sum of    |             | F Ratio  |
|-------------|-----|-----------|-------------|----------|
|             |     | Squares   | Mean Square |          |
| Lack Of Fit | 50  | 6557.758  | 131.155     | 1.7187   |
| Pure Error  | 840 | 64102.133 | 76.312      | Prob > F |
| Total Error | 890 | 70659.891 |             | 0.0018*  |

Max RSq  
0.3057

**Residual by Predicted Plot****Studentized Residuals**

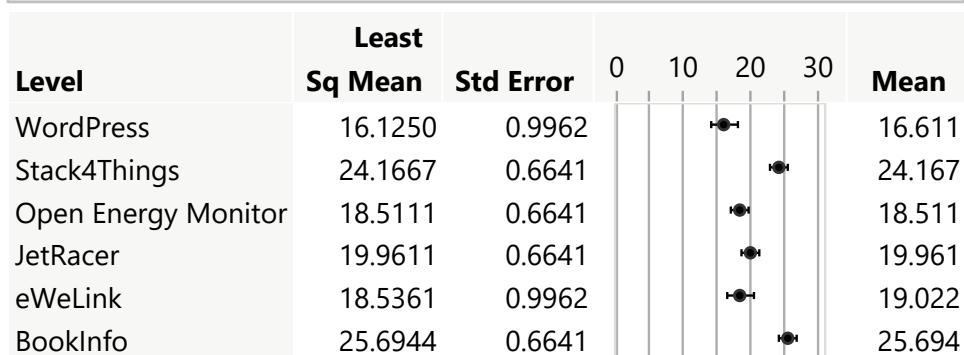
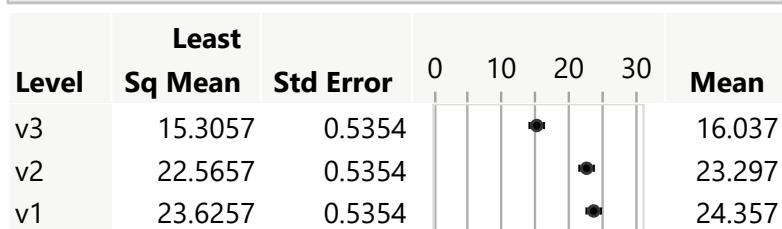
Externally studentized residuals with 95% simultaneous limits (Bonferroni) in red, individual limits in green.

**Fit Group****Response iterations****Parameter Estimates**

| Term                        | Estimate  | Std Error | t Ratio | Prob> t |
|-----------------------------|-----------|-----------|---------|---------|
| Intercept                   | 20.499074 | 0.332067  | 61.73   | <.0001* |
| app_id[WordPress]           | -4.374074 | 0.857392  | -5.10   | <.0001* |
| app_id[Stack4Things]        | 3.6675926 | 0.635859  | 5.77    | <.0001* |
| app_id[Open Energy Monitor] | -1.987963 | 0.635859  | -3.13   | 0.0018* |
| app_id[JetRacer]            | -0.537963 | 0.635859  | -0.85   | 0.3978  |
| app_id[eWeLink]             | -1.962963 | 0.857392  | -2.29   | 0.0223* |
| version[v3]                 | -5.193333 | 0.420035  | -12.36  | <.0001* |
| version[v2]                 | 2.0666667 | 0.420035  | 4.92    | <.0001* |
| rag[1]                      | -0.486111 | 0.332067  | -1.46   | 0.1436  |
| summarized[1]               | -0.292222 | 0.297009  | -0.98   | 0.3254  |

**Effect Tests**

| Source     | Nparm | DF | Sum of Squares |          |         |
|------------|-------|----|----------------|----------|---------|
|            |       |    | F Ratio        | Prob > F |         |
| app_id     | 5     | 5  | 9208.373       | 23.1969  | <.0001* |
| version    | 2     | 2  | 12305.360      | 77.4964  | <.0001* |
| rag        | 1     | 1  | 170.139        | 2.1430   | 0.1436  |
| summarized | 1     | 1  | 76.854         | 0.9680   | 0.3254  |

**Effect Details****app\_id****Least Squares Means Table****version****Least Squares Means Table**

**Fit Group****Response iterations****Effect Details****rag****Least Squares Means Table**

| Level | Least Sq Mean | Std Error | 0 | 10 | 20 | 30 | Mean   |
|-------|---------------|-----------|---|----|----|----|--------|
| 1     | 20.0130       | 0.5423    |   |    | •  |    | 21.597 |
| 0     | 20.9852       | 0.3834    |   |    | •  |    | 20.985 |

**summarized****Least Squares Means Table**

| Level | Least Sq Mean | Std Error | 0 | 10 | 20 | 30 | Mean   |
|-------|---------------|-----------|---|----|----|----|--------|
| 1     | 20.2069       | 0.4455    |   |    | •  |    | 20.938 |
| 0     | 20.7913       | 0.4455    |   |    | •  |    | 21.522 |

**Scaled Estimates**

Nominal factors expanded to all levels

| Term                        | Scaled Estimate | Std Error | t Ratio | Prob> t |
|-----------------------------|-----------------|-----------|---------|---------|
| Intercept                   | 20.499074       | 0.332067  | 61.73   | <.0001* |
| app_id[WordPress]           | -4.374074       | 0.857392  | -5.10   | <.0001* |
| app_id[Stack4Things]        | 3.6675926       | 0.635859  | 5.77    | <.0001* |
| app_id[Open Energy Monitor] | -1.987963       | 0.635859  | -3.13   | 0.0018* |
| app_id[JetRacer]            | -0.537963       | 0.635859  | -0.85   | 0.3978  |
| app_id[eWeLink]             | -1.962963       | 0.857392  | -2.29   | 0.0223* |
| app_id[BookInfo]            | 5.1953704       | 0.635859  | 8.17    | <.0001* |
| version[v3]                 | -5.193333       | 0.420035  | -12.36  | <.0001* |
| version[v2]                 | 2.0666667       | 0.420035  | 4.92    | <.0001* |
| version[v1]                 | 3.1266667       | 0.420035  | 7.44    | <.0001* |
| rag[1]                      | -0.486111       | 0.332067  | -1.46   | 0.1436  |
| rag[0]                      | 0.4861111       | 0.332067  | 1.46    | 0.1436  |
| summarized[1]               | -0.292222       | 0.297009  | -0.98   | 0.3254  |
| summarized[0]               | 0.2922222       | 0.297009  | 0.98    | 0.3254  |

