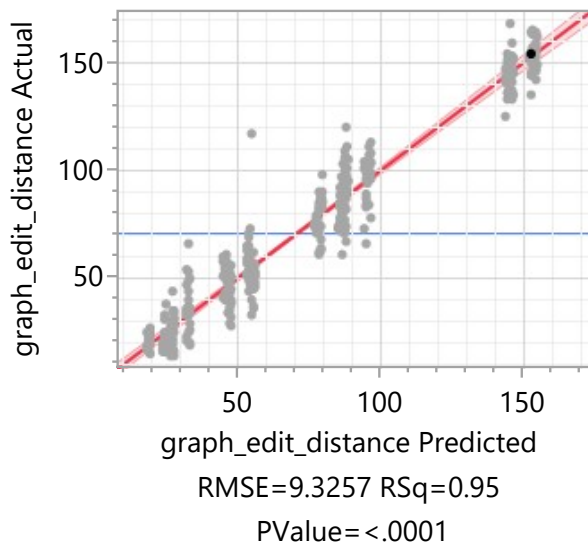


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**Fit Group****Response graph\_edit\_distance****Actual by Predicted Plot****Effect Summary**

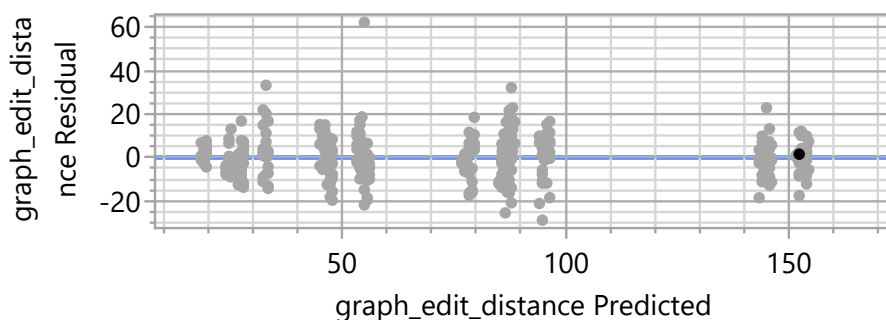
Source	Logworth	PValue
app_id	273.607	0.00000
summarized	18.206	0.00000
rag	0.922	0.11979
version	0.181	0.65889

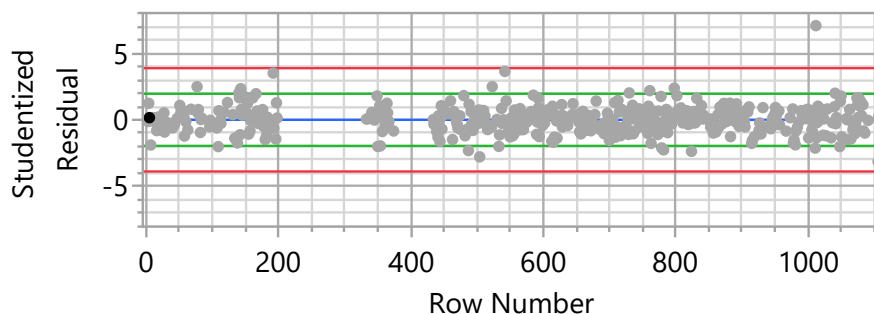
**Lack Of Fit**

Source	DF	Sum of Squares	Mean Square	F Ratio
Lack Of Fit	48	8529.451	177.697	2.3487
Pure Error	385	29128.079	75.657	<b>Prob &gt; F</b>
Total Error	433	37657.530		<b>&lt;.0001*</b>

**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	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	Least Sq Mean	Std Error	50	100	150	Mean
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**

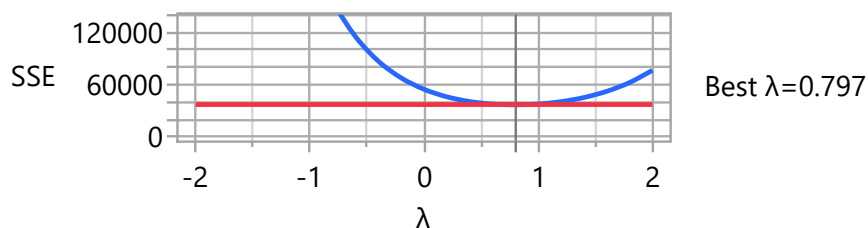
Level	Least Sq Mean	Std Error	50	100	150	Mean
v3	71.1434	0.6789		•		75.841
v2	71.6184	0.8620		•		67.762
v1	70.4822	0.9398		•		64.447

**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

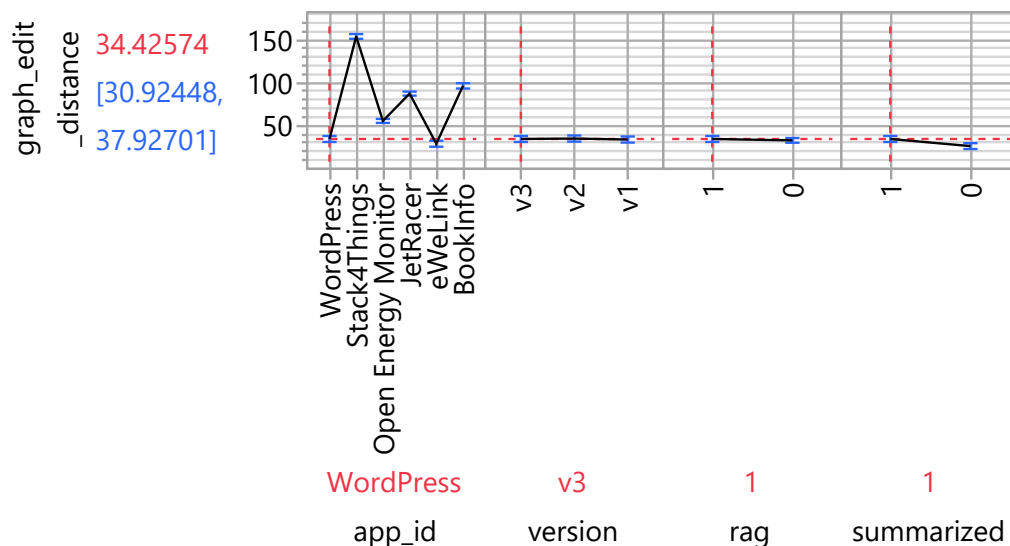
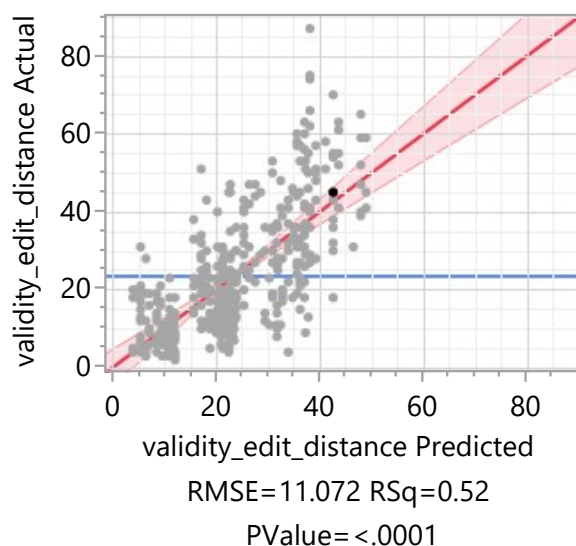
**Box-Cox Transformations****Scaled Estimates**

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**

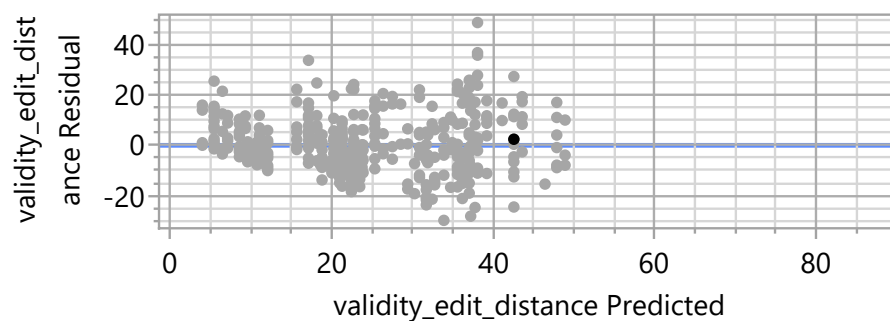
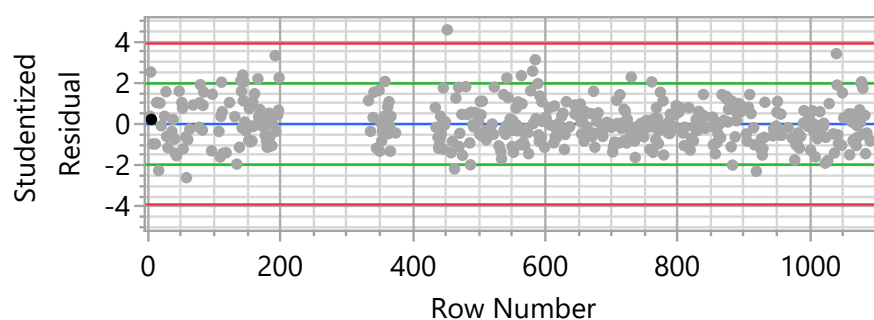
Source	Logworth	PValue
app_id	45.028	0.00000
summarized	24.329	0.00000
rag	4.525	0.00003
version	0.614	0.24300

**Lack Of Fit**

Source	DF	Sum of Squares	Mean Square	F Ratio
Lack Of Fit	48	17136.334	357.007	3.8236
Pure Error	385	35946.786	93.368	<b>Prob &gt; F</b>
Total Error	433	53083.120		<b>&lt;.0001*</b>

**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 Squares	F Ratio	Prob > F
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**

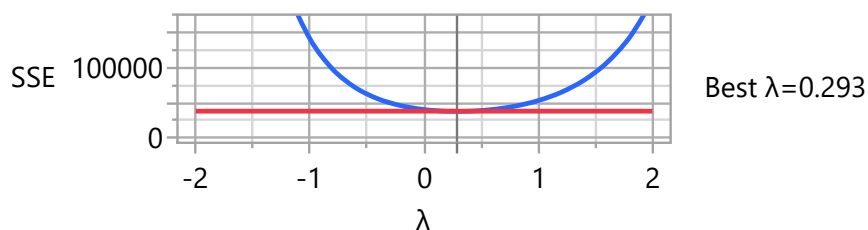
Level	Least Sq Mean	Std Error	0	40	80	Mean
v3	24.8667	0.806				24.724
v2	25.8980	1.023				23.849
v1	23.4117	1.116				21.699

**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

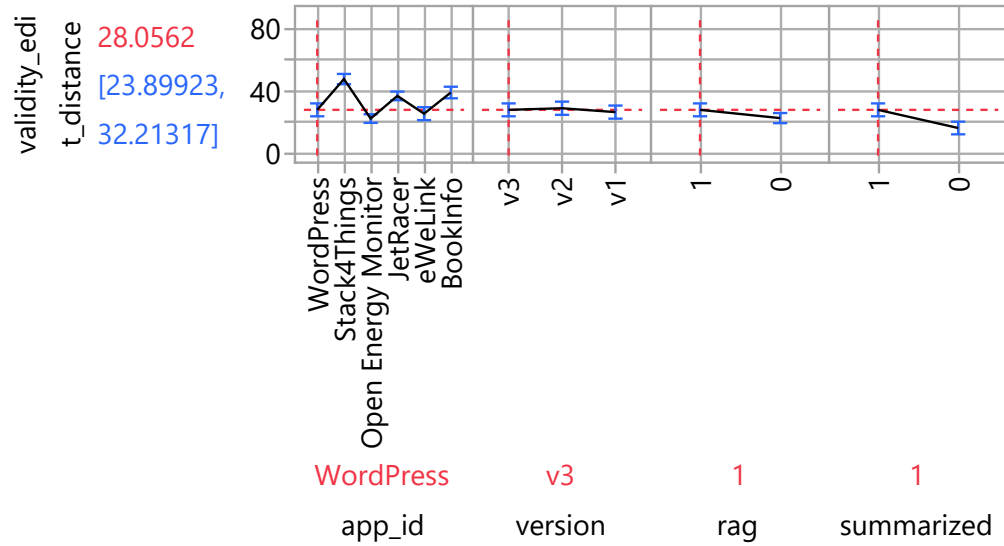
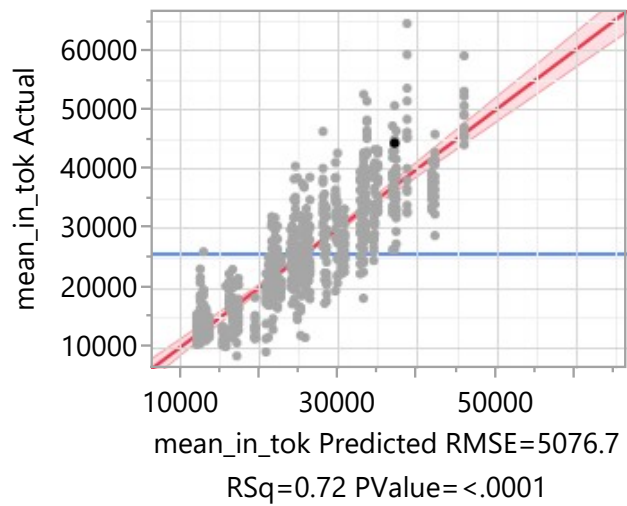
**summarized****Least Squares Means Table**

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**

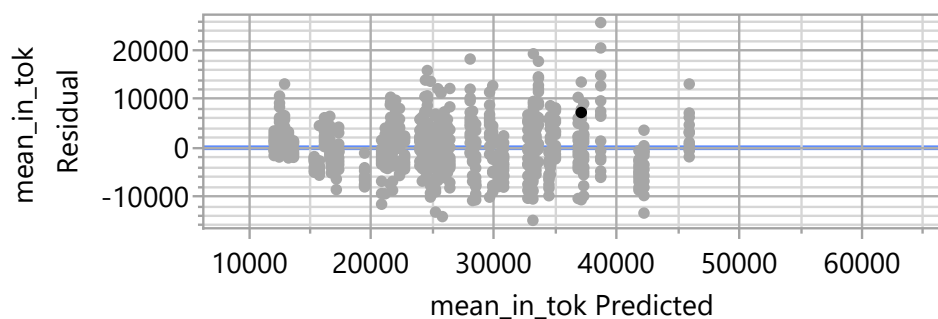
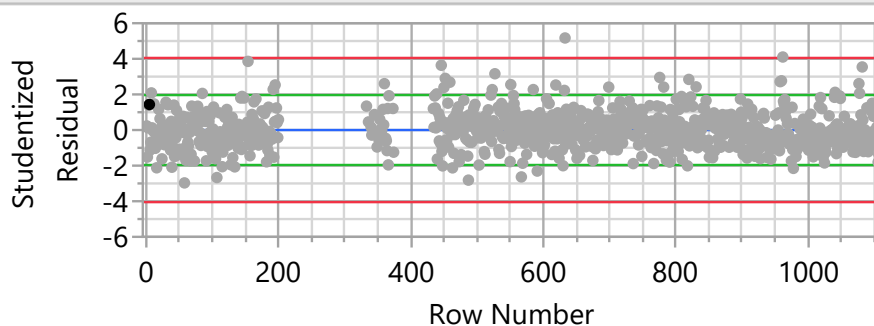
Source	Logworth		PValue
summarized	115.495		0.00000
app_id	95.441		0.00000
rag	93.172		0.00000
version	24.203		0.00000

**Lack Of Fit**

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

**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

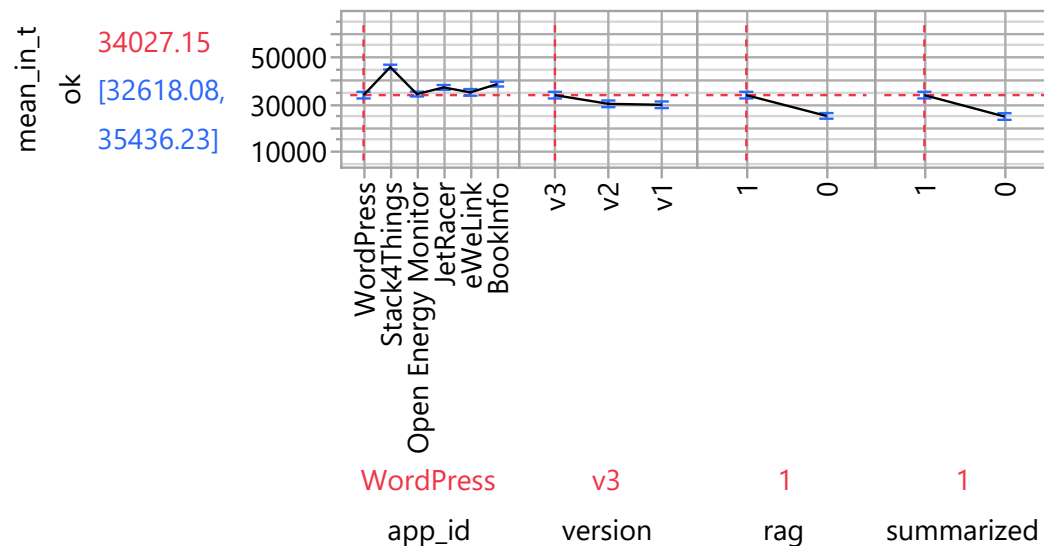
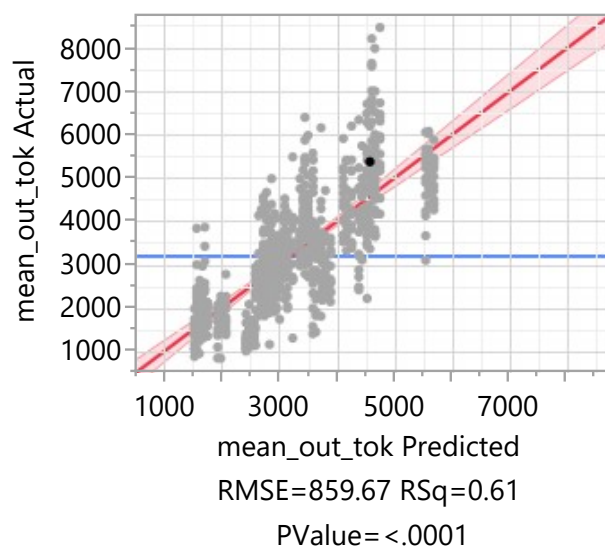
**summarized****Least Squares Means Table**

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**

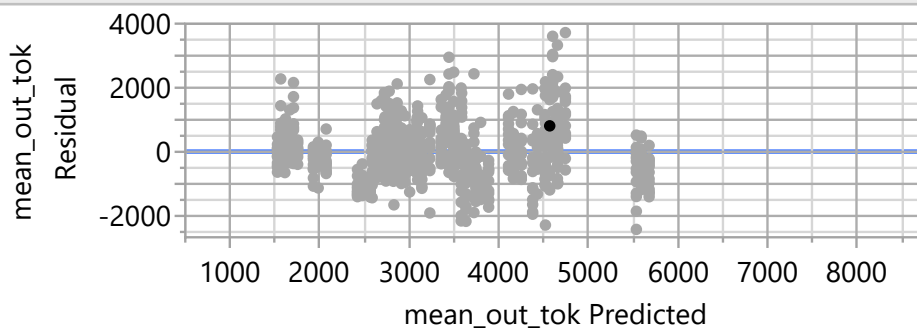
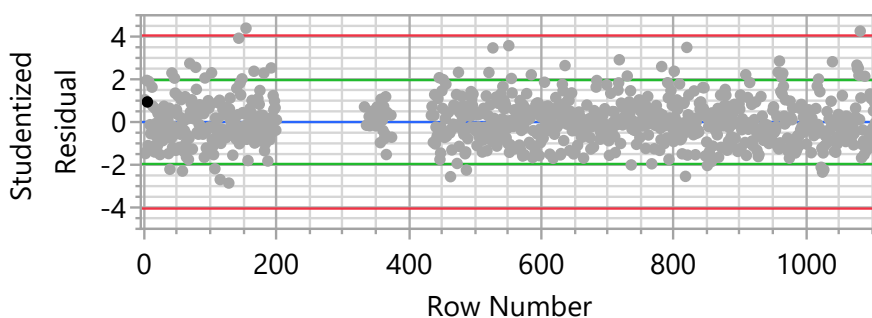
Source	Logworth	PValue
app_id	87.270	0.00000
summarized	74.229	0.00000
rag	49.735	0.00000
version	0.910	0.12308

**Lack Of Fit**

Source	DF	Sum of Squares	Mean Square	F Ratio
Lack Of Fit	50	266574706	5331494	11.4490
Pure Error	840	391165723	465673	<b>Prob &gt; F</b>
Total Error	890	657740429		<b>&lt;.0001*</b>

**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 Squares	F Ratio	Prob > F
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

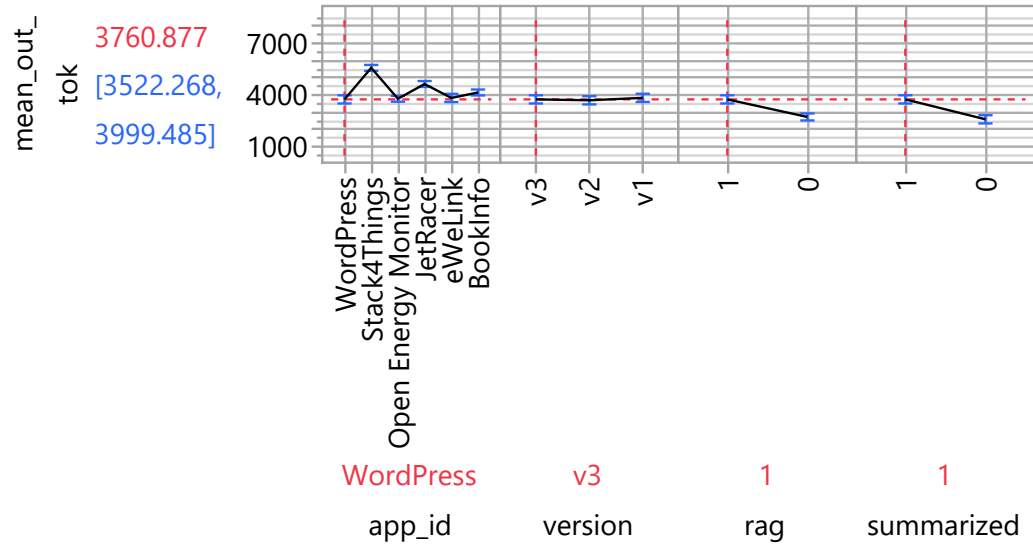
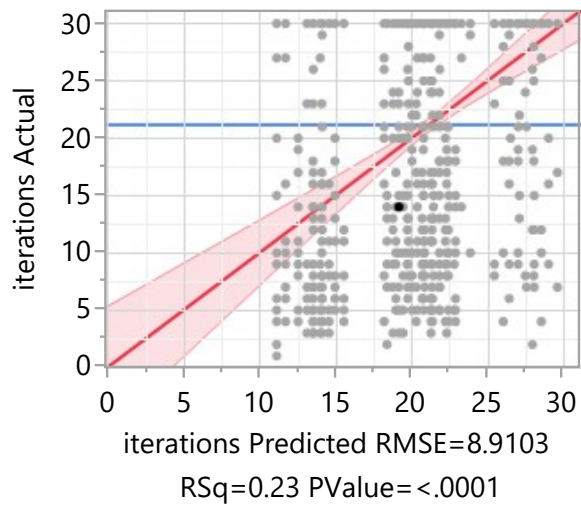
**summarized****Least Squares Means Table**

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**

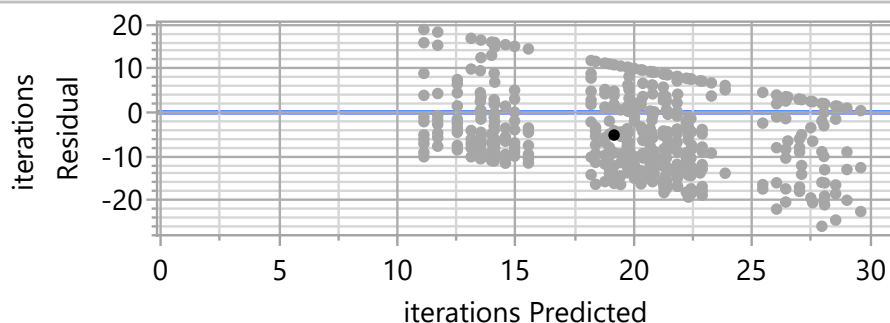
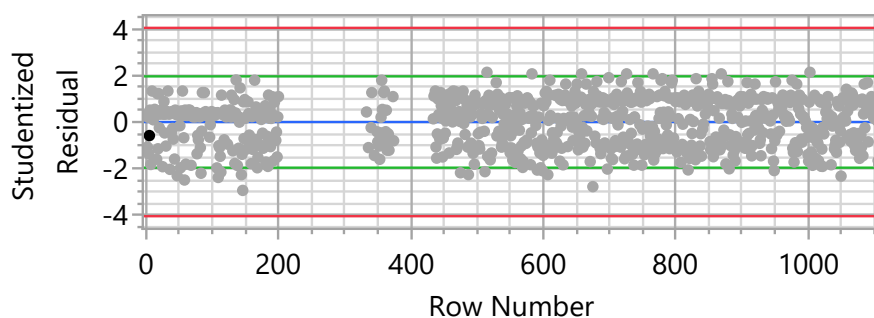
Source	Logworth		PValue
version	31.027		0.00000
app_id	21.220		0.00000
rag	0.843		0.14358
summarized	0.488		0.32544

**Lack Of Fit**

Source	DF	Sum of Squares	Mean Square	F Ratio
Lack Of Fit	50	6557.758	131.155	1.7187
Pure Error	840	64102.133	76.312	<b>Prob &gt; F</b>
Total Error	890	70659.891		<b>0.0018*</b>

**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]	2.066667	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**

Level	Least Sq Mean	Std Error	0	10	20	30	Mean
WordPress	16.1250	0.9962					16.611
Stack4Things	24.1667	0.6641					24.167
Open Energy Monitor	18.5111	0.6641					18.511
JetRacer	19.9611	0.6641					19.961
eWeLink	18.5361	0.9962					19.022
BookInfo	25.6944	0.6641					25.694

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

Level	Least Sq Mean	Std Error	0	10	20	30	Mean
v3	15.3057	0.5354					16.037
v2	22.5657	0.5354					23.297
v1	23.6257	0.5354					24.357

**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

**Fit Group****Response iterations****Prediction Profiler**