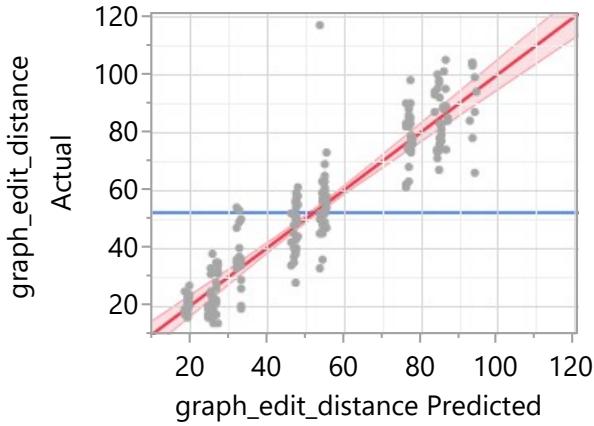


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Fit Group**Response graph_edit_distance****Actual by Predicted Plot**

RMSE=9.6026 RSq=0.87

PValue=<.0001

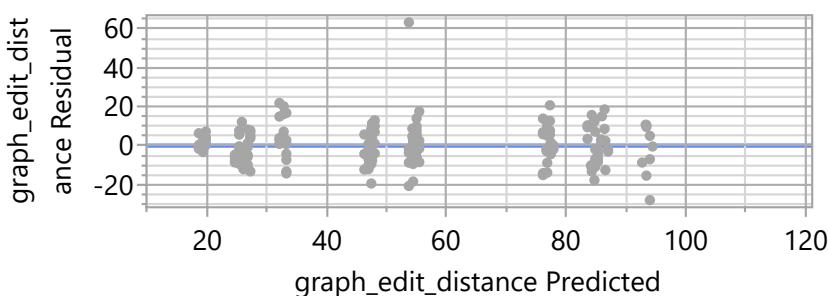
Effect Summary

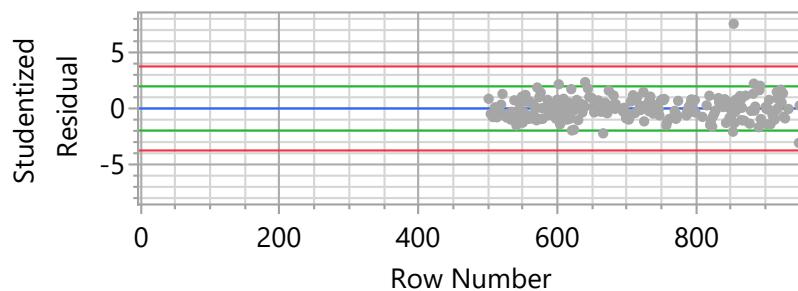
Source	Logworth	PValue
app_id	81.769	0.00000
summarized	7.452	0.00000
rag	0.141	0.72303
version	0.093	0.80671

Lack Of Fit

Source	DF	Sum of Squares		F Ratio
		Mean Square	Prob > F	
Lack Of Fit	36	5689.042	158.029	2.0049
Pure Error	177	13951.577	78.822	0.0016*
Total Error	213	19640.619		

Max RSq
0.9055

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	54.595965	0.797491	68.46	<.0001*
app_id[WordPress]	-25.88574	1.402345	-18.46	<.0001*
app_id[Open Energy Monitor]	-3.680273	1.191987	-3.09	0.0023*
app_id[JetRacer]	26.170953	1.324178	19.76	<.0001*
app_id[eWeLink]	-31.90679	1.52621	-20.91	<.0001*
version[v3]	0.0876009	0.875093	0.10	0.9204
version[v2]	0.534071	0.943436	0.57	0.5719
rag[1]	-0.29063	0.818938	-0.35	0.7230
summarized[1]	3.7192412	0.649916	5.72	<.0001*

Effect Tests

Source	Nparm	DF	Sum of		
			Squares	F Ratio	Prob > F
app_id	4	4	100390.54	272.1806	<.0001*
version	2	2	39.65	0.2150	0.8067
rag	1	1	11.61	0.1259	0.7230
summarized	1	1	3019.75	32.7488	<.0001*

Effect Details**app_id****Least Squares Means Table**

Level	Least		20	60	100	Mean
	Sq Mean	Std Error				
WordPress	28.7102	1.636	•			28.891
Open Energy Monitor	50.9157	1.172		•		51.214
JetRacer	80.7669	1.352			•	80.500
eWeLink	22.6892	1.827	•			22.514
BookInfo	89.8978	2.214			•	90.158

Fit Group**Response graph_edit_distance****Effect Details****version****Least Squares Means Table**

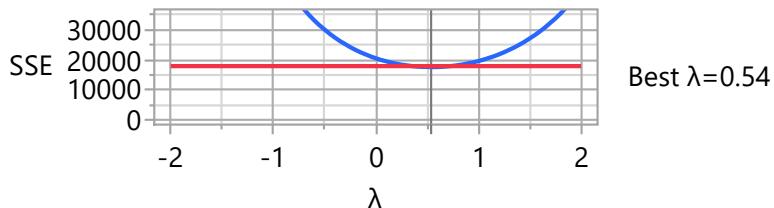
Level	Least		20	60	100	Mean
	Sq Mean	Std Error				
v3	54.6836	1.079		•		54.010
v2	55.1300	1.245		•		50.600
v1	53.9743	1.378		•		51.115

rag**Least Squares Means Table**

Level	Least		20	60	100	Mean
	Sq Mean	Std Error				
1	54.3053	1.354		•		66.597
0	54.8866	0.883		•		45.373

summarized**Least Squares Means Table**

Level	Least		20	60	100	Mean
	Sq Mean	Std Error				
1	58.3152	1.061		•		56.602
0	50.8767	0.996		•		48.140

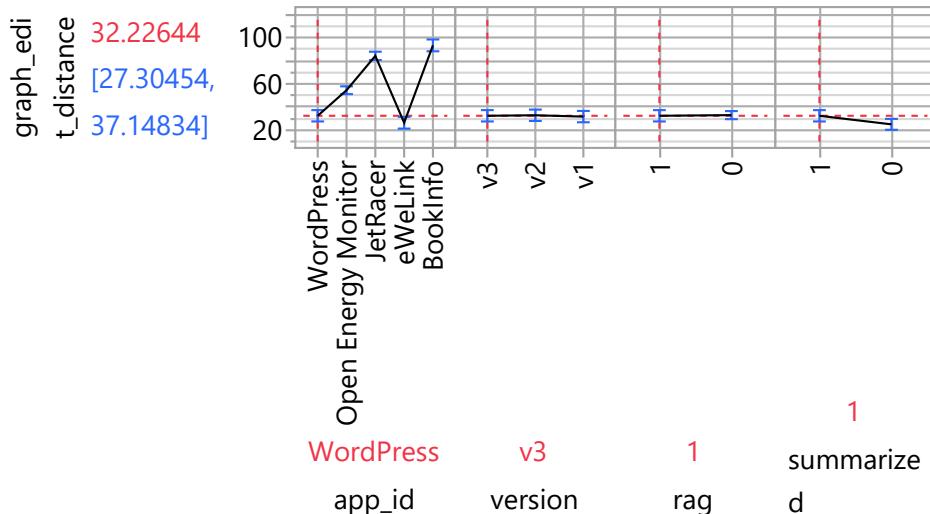
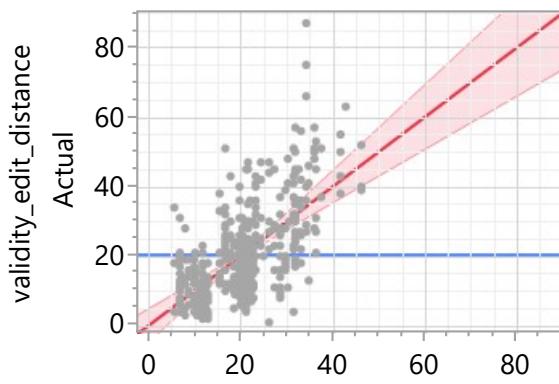
Box-Cox Transformations**Scaled Estimates**

Nominal factors expanded to all levels

Term	Estimate	Scaled		Std Error	t Ratio	Prob> t
		Estimate	Lower			
Intercept	54.595965			0.797491	68.46	<.0001*
app_id[WordPress]	-25.88574			1.402345	-18.46	<.0001*
app_id[Open Energy Monitor]	-3.680273			1.191987	-3.09	0.0023*
app_id[JetRacer]	26.170953			1.324178	19.76	<.0001*
app_id[eWeLink]	-31.90679			1.52621	-20.91	<.0001*
app_id[BookInfo]	35.301849			1.861615	18.96	<.0001*
version[v3]	0.0876009			0.875093	0.10	0.9204
version[v2]	0.534071			0.943436	0.57	0.5719
version[v1]	-0.621672			1.024584	-0.61	0.5447
rag[1]	-0.29063			0.818938	-0.35	0.7230

Fit Group**Response graph_edit_distance****Scaled Estimates**

Term	Scaled Estimate	Std Error	t Ratio	Prob> t
rag[0]	0.2906302	0.818938	0.35	0.7230
summarized[1]	3.7192412	0.649916	5.72	<.0001*
summarized[0]	-3.719241	0.649916	-5.72	<.0001*

Prediction Profiler**Response validity_edit_distance****Actual by Predicted Plot**

RMSE=10.281 RSq=0.42

PValue=<.0001

Fit Group**Response validity_edit_distance****Effect Summary**

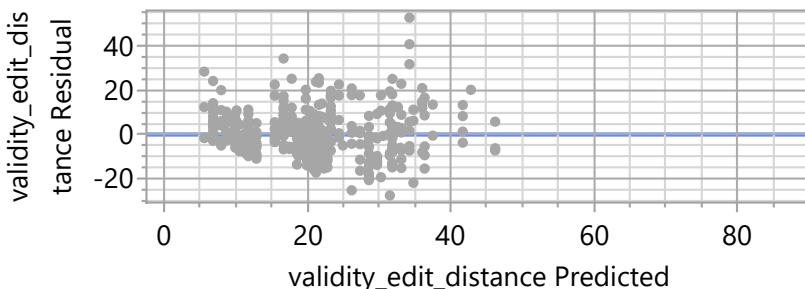
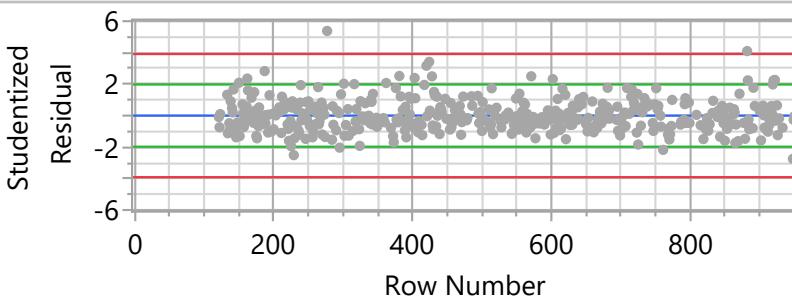
Source	Logworth	PValue
app_id	33.752	0.00000
summarized	20.059	0.00000
rag	3.676	0.00021
version	0.566	0.27164

Lack Of Fit

Source	DF	Sum of		F Ratio
		Squares	Mean Square	
Lack Of Fit	45	16872.099	374.936	5.0738
Pure Error	381	28154.510	73.896	Prob > F
Total Error	426	45026.609		<.0001*

Max RSq

0.6395

Residual by Predicted Plot**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	23.952255	0.644293	37.18	<.0001*
app_id[WordPress]	-5.039422	1.173355	-4.29	<.0001*
app_id[Stack4Things]	15.040044	1.661806	9.05	<.0001*
app_id[Open Energy Monitor]	-9.95718	0.953946	-10.44	<.0001*
app_id[JetRacer]	1.9488814	1.083494	1.80	0.0728
app_id[eWeLink]	-6.858601	1.257772	-5.45	<.0001*

Fit Group**Response validity_edit_distance****Parameter Estimates**

Term	Estimate	Std Error	t Ratio	Prob> t
version[v3]	0.0350067	0.672092	0.05	0.9585
version[v2]	1.1665937	0.790695	1.48	0.1408
rag[1]	2.2598073	0.60452	3.74	0.0002*
summarized[1]	4.9192034	0.499027	9.86	<.0001*

Effect Tests

Source	Nparm	DF	Sum of	F Ratio	Prob > F
			Squares		
app_id	5	5	21709.521	41.0791	<.0001*
version	2	2	276.344	1.3073	0.2716
rag	1	1	1477.003	13.9740	0.0002*
summarized	1	1	10270.714	97.1720	<.0001*

Effect Details**app_id****Least Squares Means Table**

Level	Least		Mean
	Sq Mean	Std Error	
WordPress	18.9128	1.323	16.130
Stack4Things	38.9923	1.962	36.567
Open Energy Monitor	13.9951	0.931	14.515
JetRacer	25.9011	1.090	26.652
eWeLink	17.0937	1.445	15.097
BookInfo	28.8185	1.561	28.000

version**Least Squares Means Table**

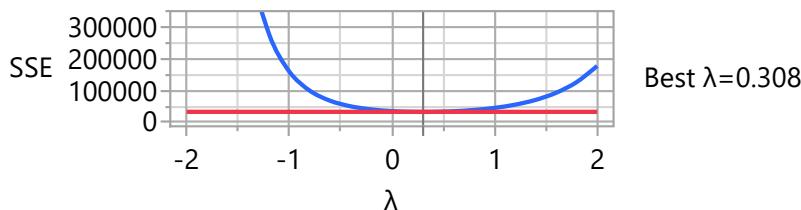
Level	Least	Std Error	Mean
Level	Sq Mean	Std Error	Mean
v3	23.9873	0.744	21.178
v2	25.1188	1.081	19.774
v1	22.7507	1.128	18.936

rag**Least Squares Means Table**

Level	Least	Std Error	Mean
Level	Sq Mean	Std Error	Mean
1	26.2121	1.027	23.979
0	21.6924	0.712	18.546

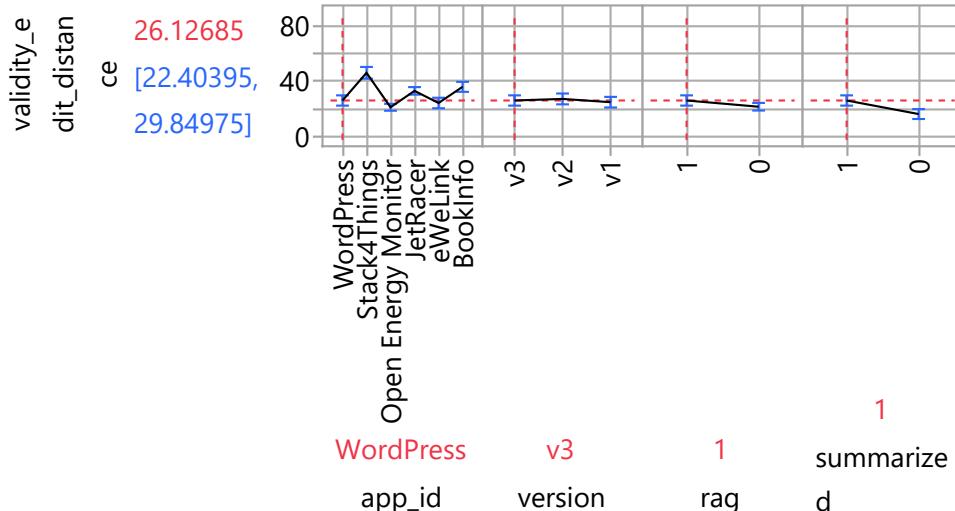
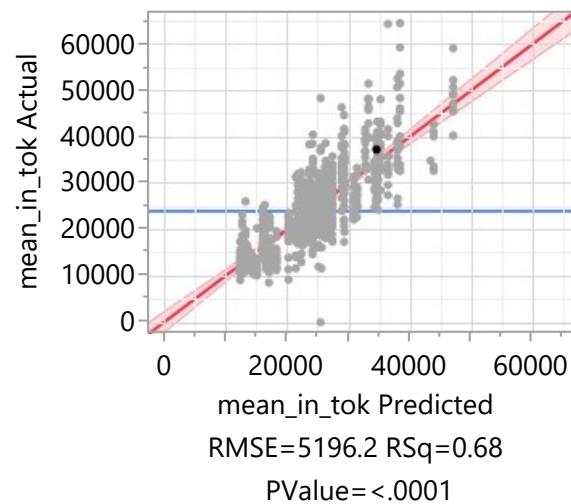
Fit Group**Response validity_edit_distance****Effect Details****summarized****Least Squares Means Table**

Level	Least		0	40	80	Mean
	Sq Mean	Std Error				
1	28.8715	0.8448		●		24.573
0	19.0331	0.7839		●		16.133

Box-Cox Transformations**Scaled Estimates**

Nominal factors expanded to all levels

Term	Scaled Estimate	Std Error	t Ratio	Prob> t
Intercept	23.952255	0.644293	37.18	<.0001*
app_id[WordPress]	-5.039422	1.173355	-4.29	<.0001*
app_id[Stack4Things]	15.040044	1.661806	9.05	<.0001*
app_id[Open Energy Monitor]	-9.95718	0.953946	-10.44	<.0001*
app_id[JetRacer]	1.9488814	1.083494	1.80	0.0728
app_id[eWeLink]	-6.858601	1.257772	-5.45	<.0001*
app_id[BookInfo]	4.8662775	1.373223	3.54	0.0004*
version[v3]	0.0350067	0.672092	0.05	0.9585
version[v2]	1.1665937	0.790695	1.48	0.1408
version[v1]	-1.2016	0.820671	-1.46	0.1439
rag[1]	2.2598073	0.60452	3.74	0.0002*
rag[0]	-2.259807	0.60452	-3.74	0.0002*
summarized[1]	4.9192034	0.499027	9.86	<.0001*
summarized[0]	-4.919203	0.499027	-9.86	<.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**

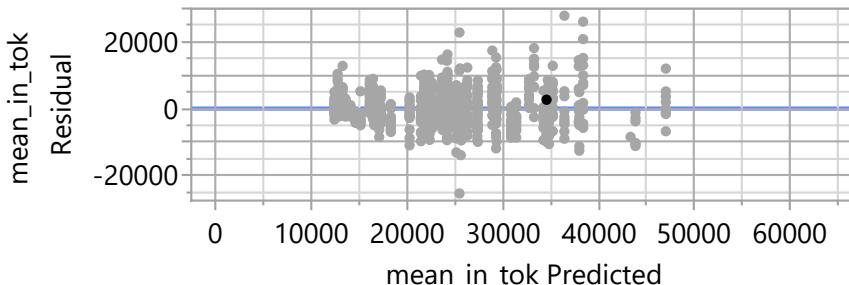
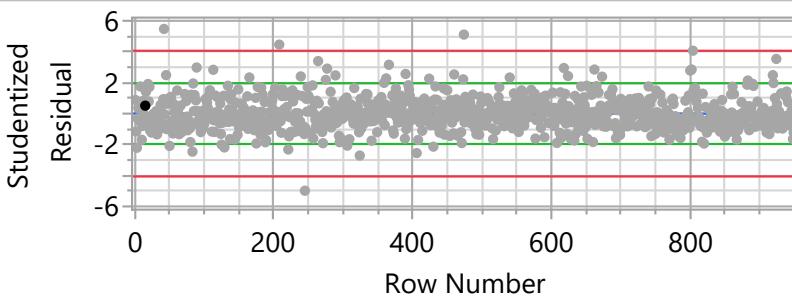
Source	Logworth	PValue
summarized	116.573	0.00000
rag	93.780	0.00000
app_id	69.309	0.00000
version	20.572	0.00000

Lack Of Fit

Source	DF	Sum of		F Ratio
		Squares	Mean Square	
Lack Of Fit	50	7980835873	159616717	8.1646
Pure Error	890	1.7399e+10	19549948	Prob > F
Total Error	940	2.538e+10		<.0001*

Max RSq

0.7775

Residual by Predicted Plot**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	26304.68	201.2687	130.69	<.0001*
app_id[WordPress]	-3442.308	438.415	-7.85	<.0001*
app_id[Stack4Things]	9363.4849	512.4887	18.27	<.0001*
app_id[Open Energy Monitor]	-3107.786	344.2651	-9.03	<.0001*
app_id[JetRacer]	-1242.55	346.8102	-3.58	0.0004*
app_id[eWeLink]	-2287.809	454.5476	-5.03	<.0001*

Fit Group**Response mean_in_tok****Parameter Estimates**

Term	Estimate	Std Error	t Ratio	Prob> t
version[v3]	2288.9764	231.2443	9.90	<.0001*
version[v2]	-884.7297	246.6024	-3.59	0.0004*
rag[1]	4549.3234	196.0861	23.20	<.0001*
summarized[1]	4522.2079	169.4042	26.69	<.0001*

Effect Tests

Source	Nparm	DF	Sum of Squares		
			F Ratio	Prob > F	
app_id	5	5	1.0808e+10	80.0553	<.0001*
version	2	2	2691218814	49.8368	<.0001*
rag	1	1	1.4533e+10	538.2697	<.0001*
summarized	1	1	1.9241e+10	712.6114	<.0001*

Effect Details**app_id****Least Squares Means Table**

Level	Least		0	20000	60000	Mean
	Sq Mean	Std Error				
WordPress	22862.4	509.3		●		18106
Stack4Things	35668.2	586.5			●	35012
Open Energy Monitor	23196.9	348.9		●		23225
JetRacer	25062.1	359.3		●		23871
eWeLink	24016.9	529.2		●		19667
BookInfo	27021.6	368.7		●		26121

version**Least Squares Means Table**

Level	Least	0	20000	60000	Mean
Sq Mean	Std Error				
v3	28593.7	285.2	●		26147
v2	25420.0	329.1	●		22816
v1	24900.4	325.5	●		22044

rag**Least Squares Means Table**

Level	Least	0	20000	60000	Mean
Sq Mean	Std Error				
1	30854.0	333.8	●		30545
0	21755.4	215.6	●		20619

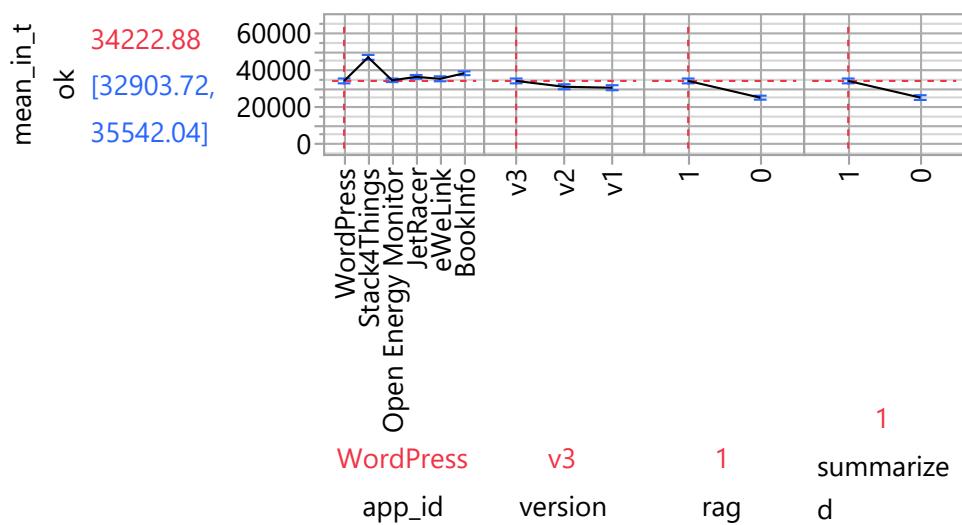
Fit Group**Response mean_in_tok****Effect Details****summarized****Least Squares Means Table**

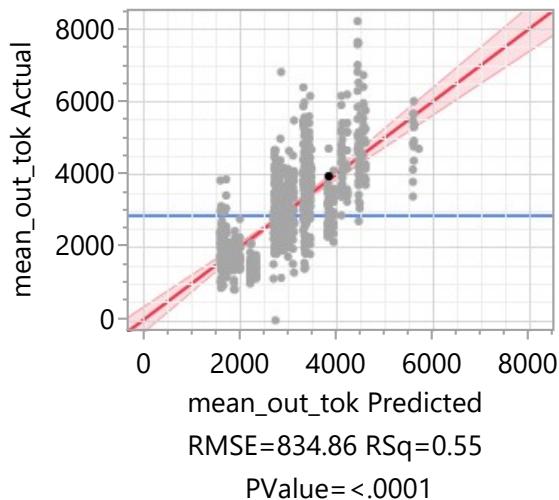
Level	Least		0 20000 60000	Mean
	Sq Mean	Std Error		
1	30826.9	271.2	●	28427
0	21782.5	254.6	●	19890

Scaled Estimates

Nominal factors expanded to all levels

Term	Scaled Estimate	Std Error	t Ratio	Prob> t
Intercept	26304.68	201.2687	130.69	<.0001*
app_id[WordPress]	-3442.308	438.415	-7.85	<.0001*
app_id[Stack4Things]	9363.4849	512.4887	18.27	<.0001*
app_id[Open Energy Monitor]	-3107.786	344.2651	-9.03	<.0001*
app_id[JetRacer]	-1242.55	346.8102	-3.58	0.0004*
app_id[eWeLink]	-2287.809	454.5476	-5.03	<.0001*
app_id[BookInfo]	716.96748	356.2235	2.01	0.0444*
version[v3]	2288.9764	231.2443	9.90	<.0001*
version[v2]	-884.7297	246.6024	-3.59	0.0004*
version[v1]	-1404.247	244.5012	-5.74	<.0001*
rag[1]	4549.3234	196.0861	23.20	<.0001*
rag[0]	-4549.323	196.0861	-23.20	<.0001*
summarized[1]	4522.2079	169.4042	26.69	<.0001*
summarized[0]	-4522.208	169.4042	-26.69	<.0001*

Prediction Profiler

Fit Group**Response mean_out_tok****Actual by Predicted Plot****Effect Summary**

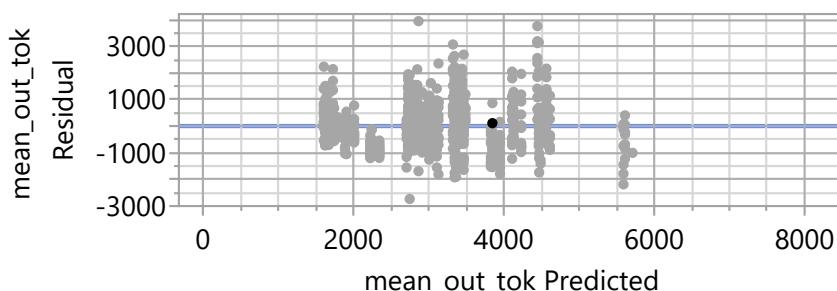
Source	Logworth	PValue
summarized	77.583	0.00000
rag	58.703	0.00000
app_id	56.459	0.00000
version	0.776	0.16755

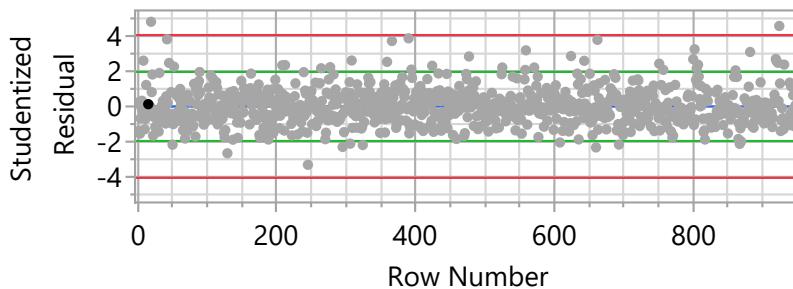
Lack Of Fit

Source	DF	Sum of		F Ratio
		Squares	Mean Square	
Lack Of Fit	50	268739184	5374784	12.3786
Pure Error	890	386436363	434198	Prob > F
Total Error	940	655175548		<.0001*

Max RSq

0.7362

Residual by Predicted Plot

Fit Group**Response mean_out Tok****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	3217.9563	32.33752	99.51	<.0001*
app_id[WordPress]	-441.5819	70.43946	-6.27	<.0001*
app_id[Stack4Things]	1307.3362	82.34076	15.88	<.0001*
app_id[Open Energy Monitor]	-457.5555	55.31254	-8.27	<.0001*
app_id[JetRacer]	160.0836	55.72145	2.87	0.0042*
app_id[eWeLink]	-392.9494	73.03146	-5.38	<.0001*
version[v3]	-27.27874	37.15365	-0.73	0.4630
version[v2]	-46.78618	39.62122	-1.18	0.2380
rag[1]	550.55086	31.50485	17.48	<.0001*
summarized[1]	561.58809	27.2179	20.63	<.0001*

Effect Tests

Source	Nparm	DF	Sum of Squares		
			F Ratio	Prob > F	
app_id	5	5	221529840	63.5671	<.0001*
version	2	2	2495049	1.7899	0.1676
rag	1	1	212848148	305.3796	<.0001*
summarized	1	1	296726439	425.7223	<.0001*

Effect Details**app_id****Least Squares Means Table**

Level	Least		0	4000	8000	Mean
	Sq Mean	Std Error				
WordPress	2776.37	81.82		●		2165.1
Stack4Things	4525.29	94.24		●		4349.4
Open Energy Monitor	2760.40	56.06	●			2739.3
JetRacer	3378.04	57.72	●			3221.9
eWeLink	2825.01	85.03	●			2273.1
BookInfo	3042.62	59.24	●			2918.0

Fit Group**Response mean_out_tok****Effect Details****version****Least Squares Means Table**

Level	Least		0	4000	8000	Mean
	Sq Mean	Std Error				
v3	3190.68	45.82		●		2890.7
v2	3171.17	52.88		●		2840.3
v1	3292.02	52.30		●		2939.9

rag**Least Squares Means Table**

Level	Least		0	4000	8000	Mean
	Sq Mean	Std Error				
1	3768.51	53.63		●		3703.1
0	2667.41	34.65		●		2491.8

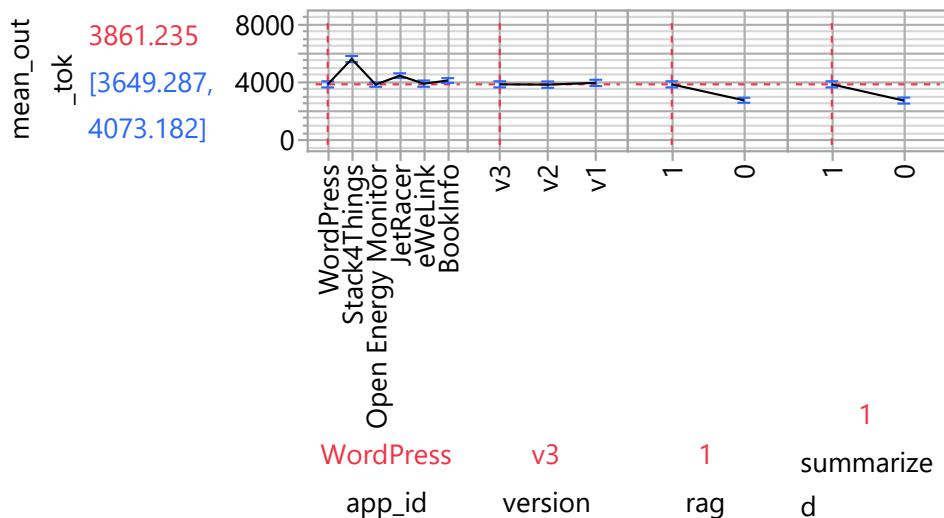
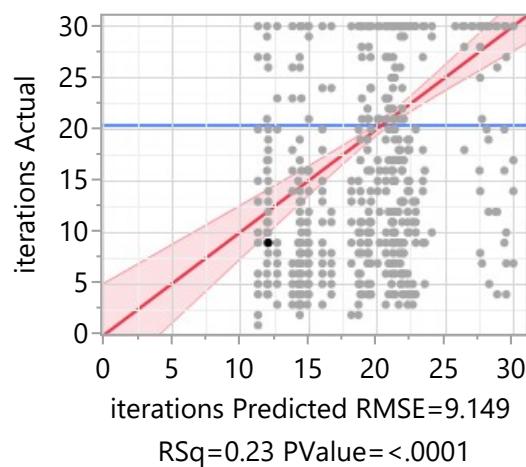
summarized**Least Squares Means Table**

Level	Least		0	4000	8000	Mean
	Sq Mean	Std Error				
1	3779.54	43.58		●		3457.4
0	2656.37	40.91		●		2391.6

Scaled Estimates

Nominal factors expanded to all levels

Term	Estimate	Scaled		Std Error	t Ratio	Prob> t
		Estimate	Std Error			
Intercept	3217.9563			32.33752	99.51	<.0001*
app_id[WordPress]	-441.5819			70.43946	-6.27	<.0001*
app_id[Stack4Things]	1307.3362			82.34076	15.88	<.0001*
app_id[Open Energy Monitor]	-457.5555			55.31254	-8.27	<.0001*
app_id[JetRacer]	160.0836			55.72145	2.87	0.0042*
app_id[eWeLink]	-392.9494			73.03146	-5.38	<.0001*
app_id[BookInfo]	-175.3331			57.23387	-3.06	0.0023*
version[v3]	-27.27874			37.15365	-0.73	0.4630
version[v2]	-46.78618			39.62122	-1.18	0.2380
version[v1]	74.064921			39.28362	1.89	0.0597
rag[1]	550.55086			31.50485	17.48	<.0001*
rag[0]	-550.5509			31.50485	-17.48	<.0001*
summarized[1]	561.58809			27.2179	20.63	<.0001*
summarized[0]	-561.5881			27.2179	-20.63	<.0001*

Fit Group**Response mean_out_tok****Prediction Profiler****Response iterations****Actual by Predicted Plot**

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

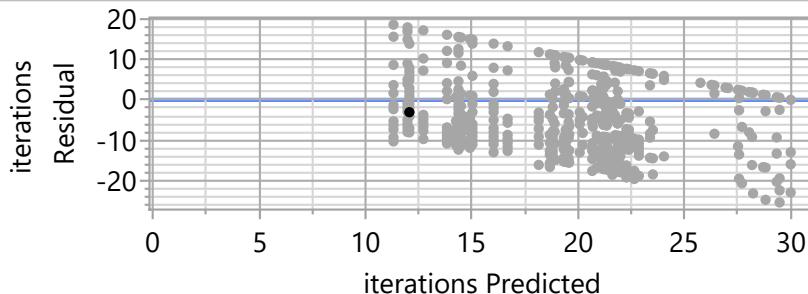
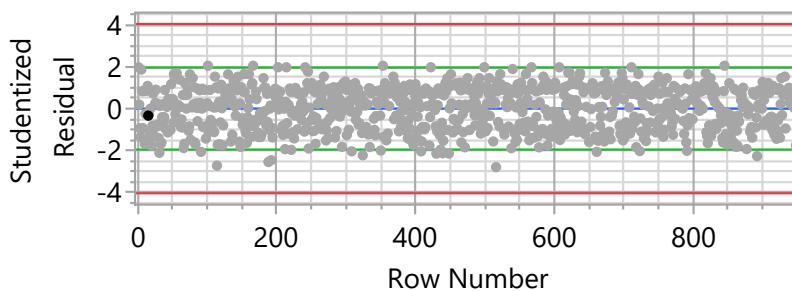
Source	Logworth	PValue
version	27.504	0.00000
app_id	26.876	0.00000
rag	1.976	0.01056
summarized	0.569	0.26989

Lack Of Fit

Source	DF	Sum of		F Ratio
		Squares	Mean Square	
Lack Of Fit	50	7959.765	159.195	2.0034
Pure Error	890	70723.033	79.464	Prob > F
Total Error	940	78682.798		<.0001*

Max RSq

0.3099

Residual by Predicted Plot**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	20.54918	0.354379	57.99	<.0001*
app_id[WordPress]	-5.054736	0.771928	-6.55	<.0001*
app_id[Stack4Things]	4.3204989	0.902352	4.79	<.0001*
app_id[Open Energy Monitor]	-2.539009	0.606156	-4.19	<.0001*
app_id[JetRacer]	-0.345199	0.610638	-0.57	0.5720
app_id[eWeLink]	-1.99827	0.800334	-2.50	0.0127*

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

Term	Estimate	Std Error	t Ratio	Prob> t
version[v3]	-4.729761	0.407158	-11.62	<.0001*
version[v2]	2.1033682	0.434199	4.84	<.0001*
rag[1]	-0.884578	0.345254	-2.56	0.0106*
summarized[1]	-0.329284	0.298274	-1.10	0.2699

Effect Tests

Source	Nparm	DF	Sum of Squares		
			F Ratio	Prob > F	
app_id	5	5	12218.358	29.1938	<.0001*
version	2	2	11349.778	67.7962	<.0001*
rag	1	1	549.474	6.5644	0.0106*
summarized	1	1	102.015	1.2187	0.2699

Effect Details**app_id****Least Squares Means Table**

Level	Least		Mean
	Sq Mean	Std Error	
WordPress	15.4944	0.897	15.846
Stack4Things	24.8697	1.033	23.600
Open Energy Monitor	18.0102	0.614	17.664
JetRacer	20.2040	0.633	20.193
eWeLink	18.5509	0.932	19.018
BookInfo	26.1659	0.649	26.105

version**Least Squares Means Table**

Level	Least	Sq Mean	Std Error	Mean
v3	15.8194	0.5021		16.136
v2	22.6525	0.5795		23.039
v1	23.1756	0.5731		23.389

rag**Least Squares Means Table**

Level	Least	Sq Mean	Std Error	Mean
1	19.6646	0.5877		20.358
0	21.4338	0.3797		20.465

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

Level	Least		0	10	20	30	Mean
	Sq Mean	Std Error					
1	20.2199	0.4776			•		20.052
0	20.8785	0.4484			•		20.762

Scaled Estimates

Nominal factors expanded to all levels

Term	Scaled Estimate	Std Error	t Ratio	Prob> t
Intercept	20.54918	0.354379	57.99	<.0001*
app_id[WordPress]	-5.054736	0.771928	-6.55	<.0001*
app_id[Stack4Things]	4.3204989	0.902352	4.79	<.0001*
app_id[Open Energy Monitor]	-2.539009	0.606156	-4.19	<.0001*
app_id[JetRacer]	-0.345199	0.610638	-0.57	0.5720
app_id[eWeLink]	-1.99827	0.800334	-2.50	0.0127*
app_id[BookInfo]	5.6167158	0.627212	8.96	<.0001*
version[v3]	-4.729761	0.407158	-11.62	<.0001*
version[v2]	2.1033682	0.434199	4.84	<.0001*
version[v1]	2.6263929	0.430499	6.10	<.0001*
rag[1]	-0.884578	0.345254	-2.56	0.0106*
rag[0]	0.8845778	0.345254	2.56	0.0106*
summarized[1]	-0.329284	0.298274	-1.10	0.2699
summarized[0]	0.3292844	0.298274	1.10	0.2699

Prediction Profiler