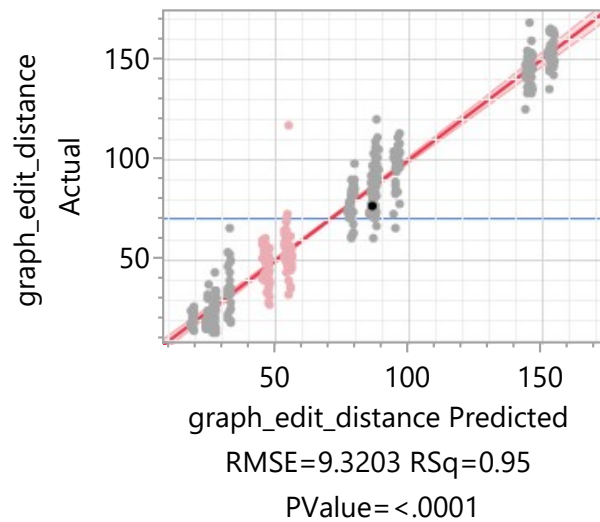


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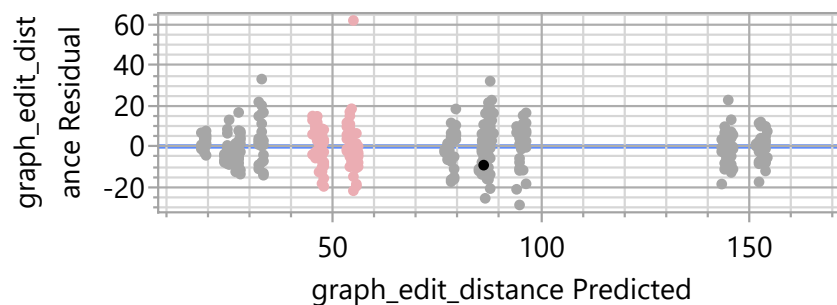
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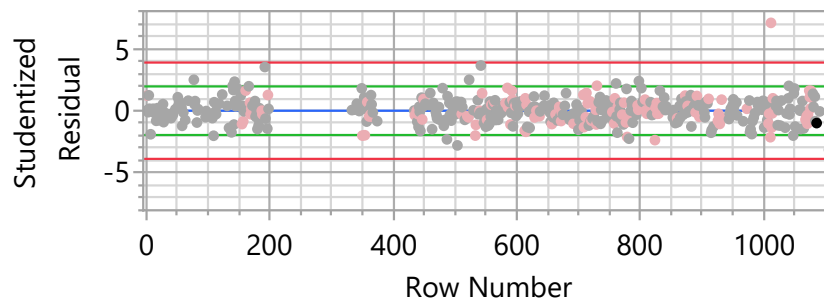
Fit Group**Response graph_edit_distance****Actual by Predicted Plot****Effect Summary**

Source	Logworth	PValue
app_id	274.595	0.00000
summarized	18.099	0.00000
rag	0.861	0.13756
version	0.181	0.65859

Lack Of Fit

Source	DF	Sum of Squares	Mean Square	F Ratio
Lack Of Fit	48	8636.664	179.930	2.3887
Pure Error	387	29150.657	75.325	Prob > F
Total Error	435	37787.321		<.0001*
			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	71.079744	0.508465	139.79	<.0001*
app_id[WordPress]	-41.75517	1.146106	-36.43	<.0001*
app_id[eWeLink]	-47.30869	1.170019	-40.43	<.0001*
app_id[Open Energy Monitor]	-20.53553	0.867992	-23.66	<.0001*
app_id[JetRacer]	11.269988	0.976071	11.55	<.0001*
app_id[BookInfo]	20.331741	1.209533	16.81	<.0001*
version[v3]	0.097578	0.59657	0.16	0.8701
version[v2]	0.5165363	0.669233	0.77	0.4406
rag[1]	0.7855085	0.528013	1.49	0.1376
summarized[1]	4.1346251	0.445464	9.28	<.0001*

Effect Tests

Source	Nparm	DF	Sum of Squares	F Ratio	Prob > F
app_id	5	5	678782.28	1562.801	<.0001*
version	2	2	72.63	0.4181	0.6586
rag	1	1	192.25	2.2132	0.1376
summarized	1	1	7483.50	86.1486	<.0001*

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

Level	Least Sq Mean	Std Error	50	100	150	Mean
WordPress	29.325	1.305	•			28.36
eWeLink	23.771	1.344	•			23.14
Open Energy Monitor	50.544	0.879	•			50.93
JetRacer	82.350	0.992		•		83.44
BookInfo	91.411	1.378		•		92.11
Stack4Things	149.077	1.142			•	148.74

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

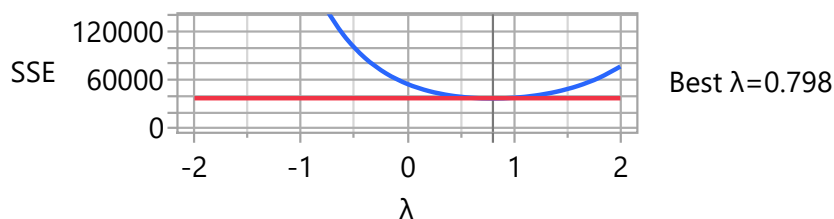
Level	Least Sq Mean	Std Error	50 100 150	Mean
v3	71.1773	0.6775		75.764
v2	71.5963	0.8612		67.762
v1	70.4656	0.9391		64.447

rag**Least Squares Means Table**

Level	Least Sq Mean	Std Error	50 100 150	Mean
1	71.8653	0.8367		84.972
0	70.2942	0.6120		61.658

summarized**Least Squares Means Table**

Level	Least Sq Mean	Std Error	50 100 150	Mean
1	75.2144	0.6636		74.415
0	66.9451	0.6882		66.885

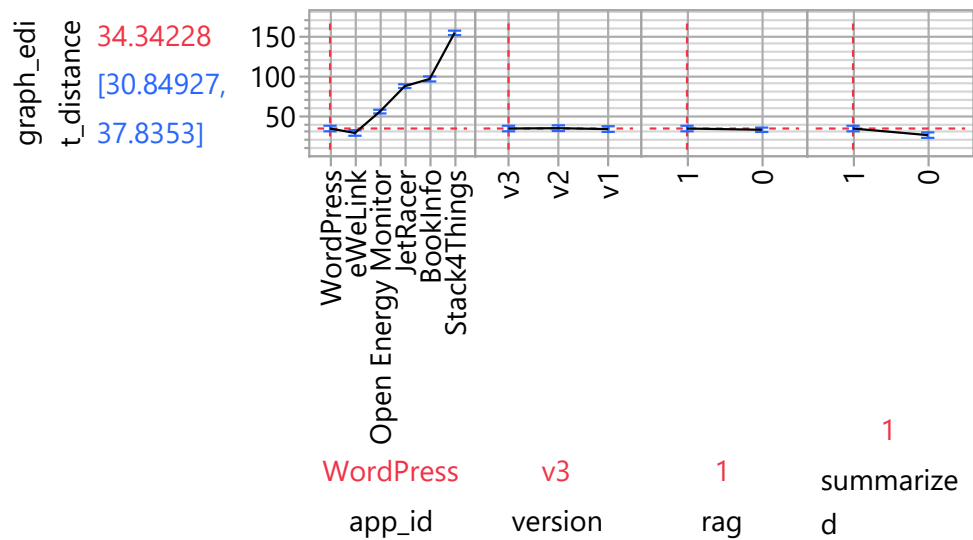
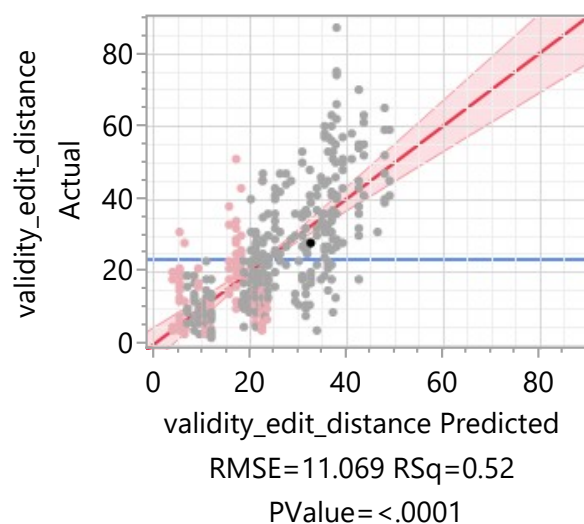
Box-Cox Transformations**Scaled Estimates**

Nominal factors expanded to all levels

Term	Scaled Estimate		Std Error	t Ratio	Prob> t
Intercept	71.079744		0.508465	139.79	<.0001*
app_id[WordPress]	-41.75517		1.146106	-36.43	<.0001*
app_id[eWeLink]	-47.30869		1.170019	-40.43	<.0001*
app_id[Open Energy Monitor]	-20.53553		0.867992	-23.66	<.0001*
app_id[JetRacer]	11.269988		0.976071	11.55	<.0001*
app_id[BookInfo]	20.331741		1.209533	16.81	<.0001*
app_id[Stack4Things]	77.997657		1.033359	75.48	<.0001*
version[v3]	0.097578		0.59657	0.16	0.8701

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

Term	Scaled Estimate	Std Error	t Ratio	Prob> t
version[v2]	0.5165363	0.669233	0.77	0.4406
version[v1]	-0.614114	0.709296	-0.87	0.3871
rag[1]	0.7855085	0.528013	1.49	0.1376
rag[0]	-0.785508	0.528013	-1.49	0.1376
summarized[1]	4.1346251	0.445464	9.28	<.0001*
summarized[0]	-4.134625	0.445464	-9.28	<.0001*

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

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

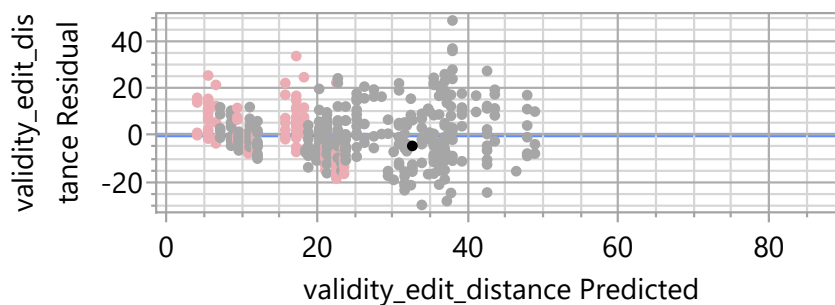
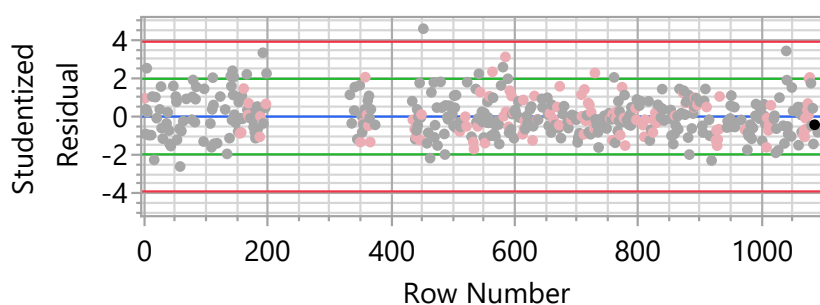
Source	Logworth	PValue
app_id	44.906	0.00000
summarized	24.506	0.00000
rag	4.586	0.00003
version	0.614	0.24329

Lack Of Fit

Source	DF	Sum of Squares	Mean Square	F Ratio
Lack Of Fit	48	17343.494	361.323	3.8896
Pure Error	387	35949.975	92.894	Prob > F
Total Error	435	53293.470		<.0001*

Max RSq

0.6745

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	24.724706	0.603844	40.95	<.0001*
app_id[WordPress]	-5.312456	1.361095	-3.90	0.0001*
app_id[eWeLink]	-7.788478	1.389494	-5.61	<.0001*
app_id[Open Energy Monitor]	-10.83912	1.030812	-10.52	<.0001*
app_id[JetRacer]	3.5644581	1.159165	3.08	0.0022*

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

Term	Estimate	Std Error	t Ratio	Prob> t
app_id[BookInfo]	5.8504374	1.436421	4.07	<.0001*
version[v3]	0.1423587	0.708476	0.20	0.8408
version[v2]	1.1709756	0.79477	1.47	0.1414
rag[1]	2.6663121	0.627059	4.25	<.0001*
summarized[1]	5.8520024	0.529025	11.06	<.0001*

Effect Tests

Source	Nparm	DF	Sum of Squares	F Ratio	Prob > F
app_id	5	5	35006.001	57.1463	<.0001*
version	2	2	347.478	1.4181	0.2433
rag	1	1	2215.082	18.0803	<.0001*
summarized	1	1	14991.378	122.3649	<.0001*

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

Level	Least Sq Mean	Std Error	0	40	80	Mean
WordPress	19.4123	1.550				16.508
eWeLink	16.9362	1.596				14.544
Open Energy Monitor	13.8856	1.044				14.560
JetRacer	28.2892	1.178				30.362
BookInfo	30.5751	1.636				31.319
Stack4Things	39.2499	1.356				38.657

version**Least Squares Means Table**

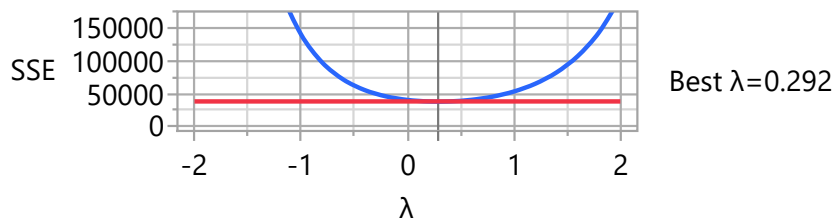
Level	Least Sq Mean	Std Error	0	40	80	Mean
v3	24.8671	0.805				24.616
v2	25.8957	1.023				23.849
v1	23.4114	1.115				21.699

rag**Least Squares Means Table**

Level	Least Sq Mean	Std Error	0	40	80	Mean
1	27.3910	0.9937				28.438
0	22.0584	0.7268				20.639

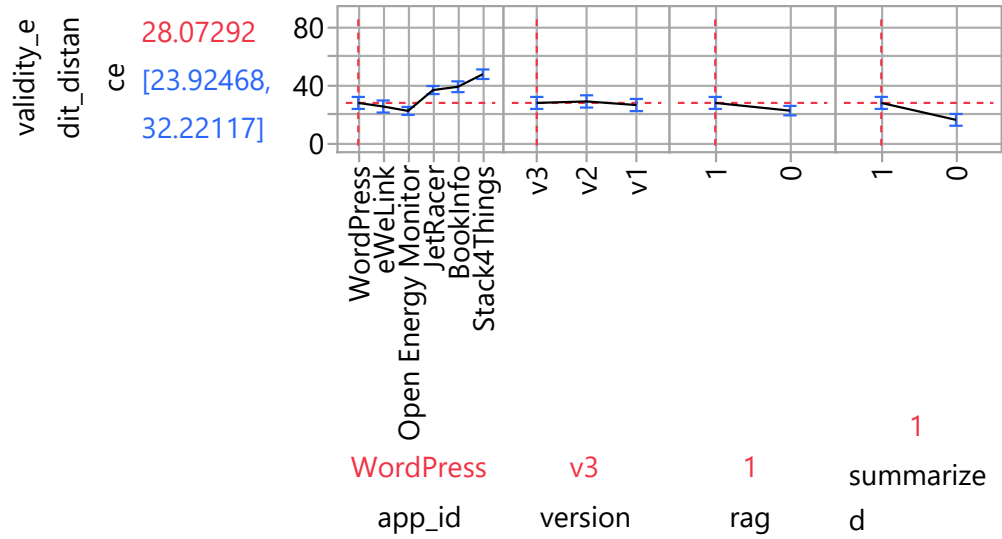
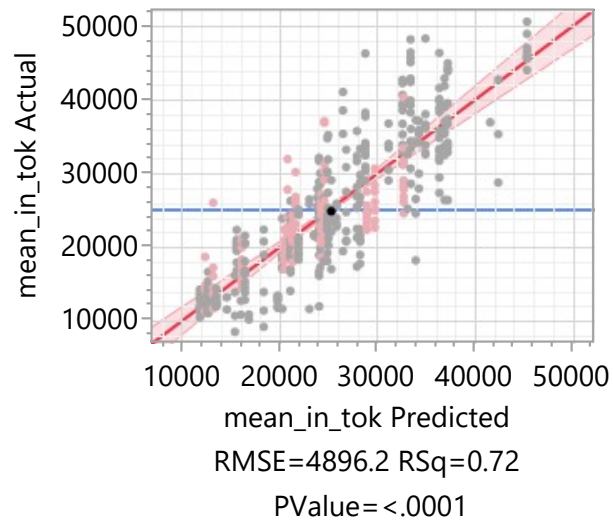
Fit Group**Response validity_edit_distance****Effect Details****summarized****Least Squares Means Table**

Level	Least Sq Mean	Std Error	0 40 80	Mean
1	30.5767	0.7881		29.144
0	18.8727	0.8172		17.603

Box-Cox Transformations**Scaled Estimates**

Nominal factors expanded to all levels

Term	Scaled Estimate		Std Error	t Ratio	Prob> t
Intercept	24.724706		0.603844	40.95	<.0001*
app_id[WordPress]	-5.312456		1.361095	-3.90	0.0001*
app_id[eWeLink]	-7.788478		1.389494	-5.61	<.0001*
app_id[Open Energy Monitor]	-10.83912		1.030812	-10.52	<.0001*
app_id[JetRacer]	3.5644581		1.159165	3.08	0.0022*
app_id[BookInfo]	5.8504374		1.436421	4.07	<.0001*
app_id[Stack4Things]	14.52516		1.2272	11.84	<.0001*
version[v3]	0.1423587		0.708476	0.20	0.8408
version[v2]	1.1709756		0.79477	1.47	0.1414
version[v1]	-1.313334		0.842347	-1.56	0.1197
rag[1]	2.6663121		0.627059	4.25	<.0001*
rag[0]	-2.666312		0.627059	-4.25	<.0001*
summarized[1]	5.8520024		0.529025	11.06	<.0001*
summarized[0]	-5.852002		0.529025	-11.06	<.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**

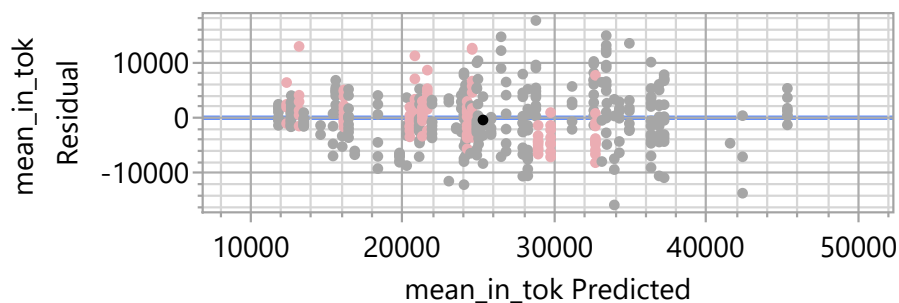
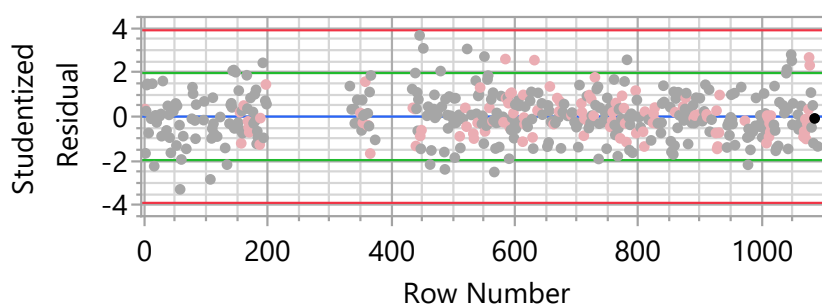
Source	Logworth	PValue
summarized	53.968	0.00000
app_id	53.309	0.00000
rag	38.934	0.00000
version	10.588	0.00000

Lack Of Fit

Source	DF	Sum of Squares	Mean Square	F Ratio
Lack Of Fit	48	3733574138	77782795	4.4964
Pure Error	387	6694717691	17299012	Prob > F
Total Error	435	1.0428e+10		<.0001*

Max RSq

0.8228

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	25226.281	267.1125	94.44	<.0001*
app_id[WordPress]	-3587.991	602.0855	-5.96	<.0001*
app_id[eWeLink]	-2742.387	614.6478	-4.46	<.0001*
app_id[Open Energy Monitor]	-3049.535	455.9836	-6.69	<.0001*
app_id[JetRacer]	611.32339	512.761	1.19	0.2338

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

Term	Estimate	Std Error	t Ratio	Prob> t
app_id[BookInfo]	-815.4357	635.4062	-1.28	0.2001
version[v3]	2239.653	313.3969	7.15	<.0001*
version[v2]	-709.4575	351.5694	-2.02	0.0442*
rag[1]	4055.4003	277.3819	14.62	<.0001*
summarized[1]	4220.2644	234.0161	18.03	<.0001*

Effect Tests

Source	Nparm	DF	Sum of Squares	F Ratio	Prob > F
app_id	5	5	8473141708	70.6888	<.0001*
version	2	2	1236973785	25.7992	<.0001*
rag	1	1	5124308453	213.7526	<.0001*
summarized	1	1	7796719273	325.2280	<.0001*

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

Level	Least Sq Mean	Std Error	10000	40000	Mean
WordPress	21638.3	685.6			17536
eWeLink	22483.9	706.2			18848
Open Energy Monitor	22176.7	461.9			23296
JetRacer	25837.6	521.2			28519
BookInfo	24410.8	723.8			25345
Stack4Things	34810.3	600.0			34886

version**Least Squares Means Table**

Level	Least Sq Mean	Std Error	10000	40000	Mean
v3	27465.9	355.9			27270
v2	24516.8	452.4			23215
v1	23696.1	493.3			22766

rag**Least Squares Means Table**

Level	Least Sq Mean	Std Error	10000	40000	Mean
1	29281.7	439.6			30783
0	21170.9	321.5			21348

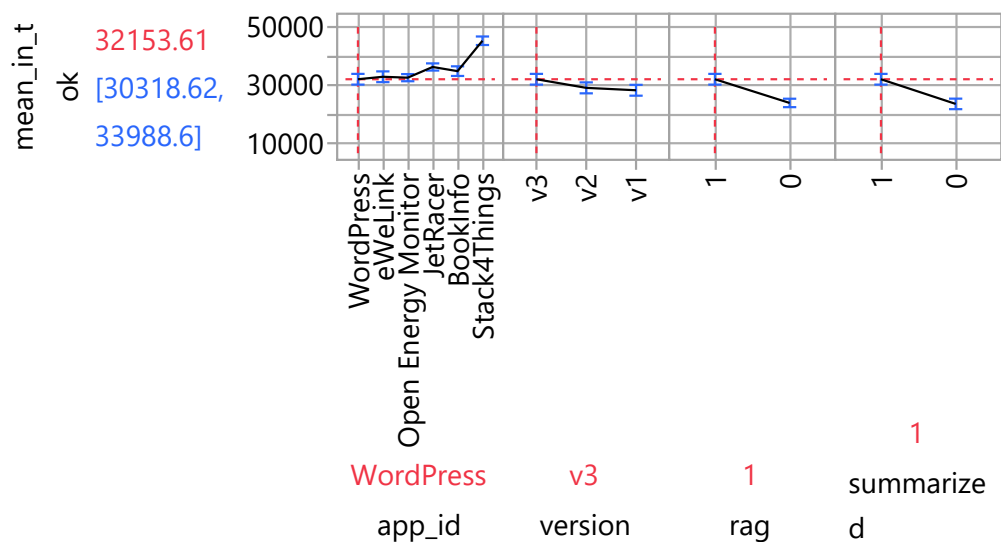
Fit Group**Response mean_in_tok****Effect Details****summarized****Least Squares Means Table**

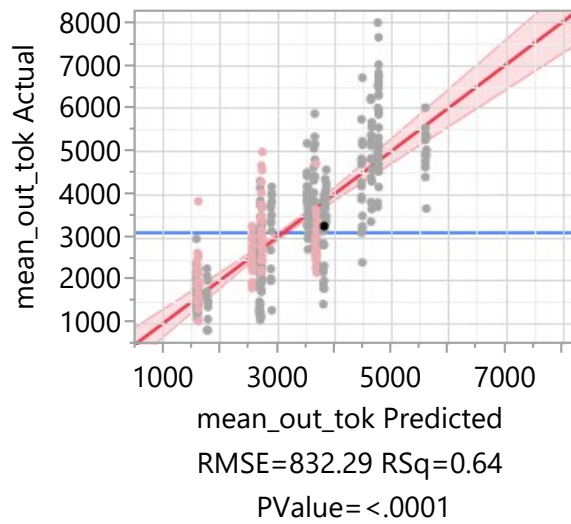
Level	Least Sq Mean	Std Error	10000	40000	Mean
1	29446.5	348.6			28889
0	21006.0	361.5			20778

Scaled Estimates

Nominal factors expanded to all levels

Term	Scaled Estimate	Std Error	t Ratio	Prob> t
Intercept	25226.281	267.1125	94.44	<.0001*
app_id[WordPress]	-3587.991	602.0855	-5.96	<.0001*
app_id[eWeLink]	-2742.387	614.6478	-4.46	<.0001*
app_id[Open Energy Monitor]	-3049.535	455.9836	-6.69	<.0001*
app_id[JetRacer]	611.32339	512.761	1.19	0.2338
app_id[BookInfo]	-815.4357	635.4062	-1.28	0.2001
app_id[Stack4Things]	9584.0261	542.8562	17.65	<.0001*
version[v3]	2239.653	313.3969	7.15	<.0001*
version[v2]	-709.4575	351.5694	-2.02	0.0442*
version[v1]	-1530.195	372.6154	-4.11	<.0001*
rag[1]	4055.4003	277.3819	14.62	<.0001*
rag[0]	-4055.4	277.3819	-14.62	<.0001*
summarized[1]	4220.2644	234.0161	18.03	<.0001*
summarized[0]	-4220.264	234.0161	-18.03	<.0001*

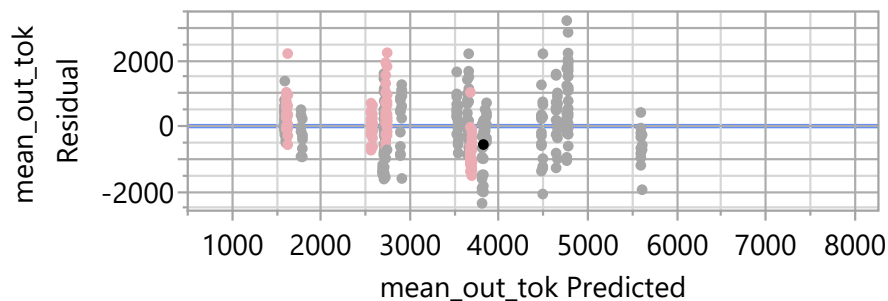
Prediction Profiler

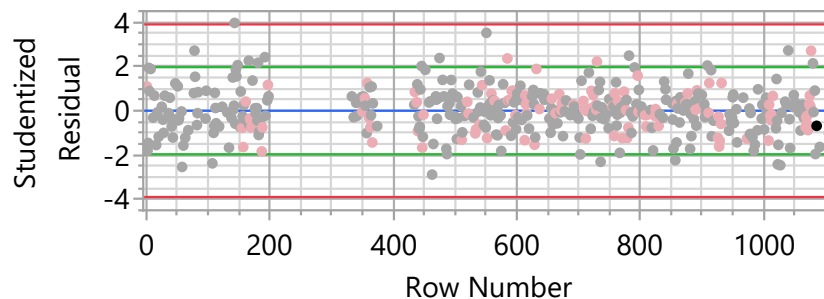
Fit Group**Response mean_out_tok****Actual by Predicted Plot****Effect Summary**

Source	Logworth	PValue
app_id	49.620	0.00000
summarized	36.497	0.00000
rag	20.963	0.00000
version	0.008	0.98115

Lack Of Fit

Source	DF	Sum of Squares	Mean Square	F Ratio
Lack Of Fit	48	135812797	2829433	6.6158
Pure Error	387	165511546	427678	Prob > F
Total Error	435	301324343		<.0001*
			Max RSq	0.8017

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	3175.5648	45.40511	69.94	<.0001*
app_id[WordPress]	-541.4702	102.3455	-5.29	<.0001*
app_id[eWeLink]	-538.3589	104.4809	-5.15	<.0001*
app_id[Open Energy Monitor]	-521.1723	77.51036	-6.72	<.0001*
app_id[JetRacer]	562.22566	87.16165	6.45	<.0001*
app_id[BookInfo]	-356.2392	108.0095	-3.30	0.0011*
version[v3]	-10.39258	53.27277	-0.20	0.8454
version[v2]	4.2952152	59.76151	0.07	0.9427
rag[1]	476.24849	47.15075	10.10	<.0001*
summarized[1]	558.76109	39.77921	14.05	<.0001*

Effect Tests

Source	Nparm	DF	Sum of Squares	F Ratio	Prob > F
app_id	5	5	223728908	64.5962	<.0001*
version	2	2	26364	0.0190	0.9812
rag	1	1	70669990	102.0211	<.0001*
summarized	1	1	136673678	197.3058	<.0001*

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

Level	Least Sq Mean	Std Error	1000	4000	7000	Mean
WordPress	2634.09	116.5	•			2129.7
eWeLink	2637.21	120.0	•			2169.3
Open Energy Monitor	2654.39	78.5	•			2723.3
JetRacer	3737.79	88.6		•		4004.6
BookInfo	2819.33	123.0	•			2852.0
Stack4Things	4570.58	102.0			•	4464.2

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

Level	Least		1000 4000 7000			Mean
	Sq Mean	Std Error				
v3	3165.17	60.50		•		3188.4
v2	3179.86	76.90		•		3051.4
v1	3181.66	83.86		•		3099.6

rag**Least Squares Means Table**

Level	Least		1000 4000 7000			Mean
	Sq Mean	Std Error				
1	3651.81	74.72		•		3904.0
0	2699.32	54.65	•			2622.0

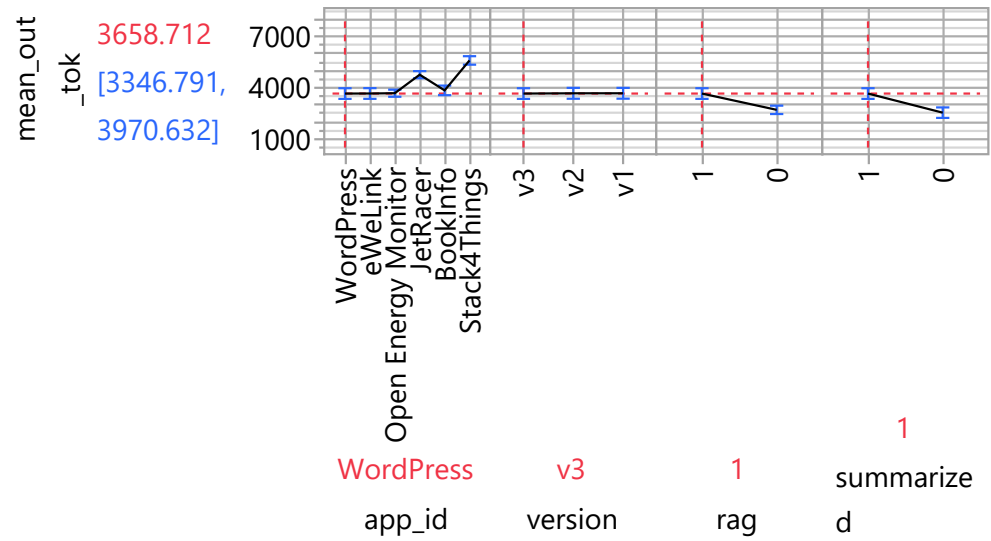
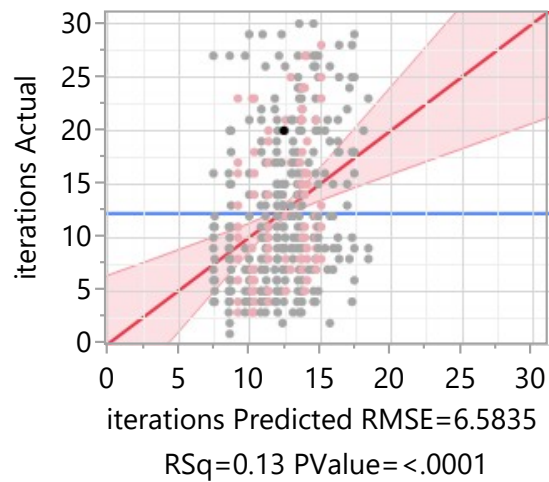
summarized**Least Squares Means Table**

Level	Least		1000 4000 7000			Mean
	Sq Mean	Std Error				
1	3734.33	59.26		•		3641.7
0	2616.80	61.45	•			2550.2

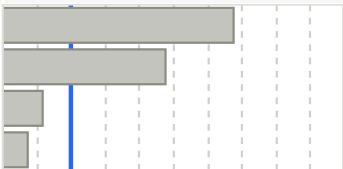
Scaled Estimates

Nominal factors expanded to all levels

Term	Scaled Estimate		Std Error	t Ratio	Prob> t
Intercept	3175.5648		45.40511	69.94	<.0001*
app_id[WordPress]	-541.4702		102.3455	-5.29	<.0001*
app_id[eWeLink]	-538.3589		104.4809	-5.15	<.0001*
app_id[Open Energy Monitor]	-521.1723		77.51036	-6.72	<.0001*
app_id[JetRacer]	562.22566		87.16165	6.45	<.0001*
app_id[BookInfo]	-356.2392		108.0095	-3.30	0.0011*
app_id[Stack4Things]	1395.015		92.27739	15.12	<.0001*
version[v3]	-10.39258		53.27277	-0.20	0.8454
version[v2]	4.2952152		59.76151	0.07	0.9427
version[v1]	6.0973688		63.33901	0.10	0.9234
rag[1]	476.24849		47.15075	10.10	<.0001*
rag[0]	-476.2485		47.15075	-10.10	<.0001*
summarized[1]	558.76109		39.77921	14.05	<.0001*
summarized[0]	-558.7611		39.77921	-14.05	<.0001*

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

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

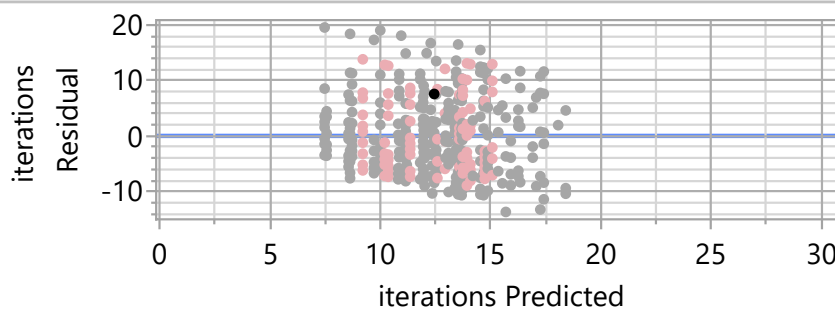
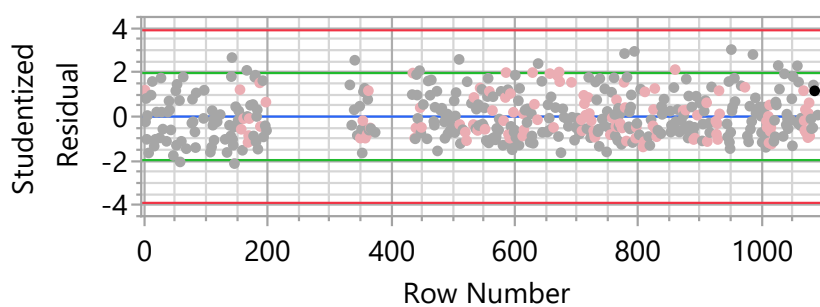
Source	Logworth		PValue
version	6.759		0.00000
app_id	4.781		0.00002
summarized	1.170		0.06761
rag	0.738		0.18287

Lack Of Fit

Source	DF	Sum of Squares	Mean Square	F Ratio
Lack Of Fit	48	1851.225	38.5672	0.8778
Pure Error	387	17002.924	43.9352	Prob > F
Total Error	435	18854.148		0.7035

Max RSq

0.2112

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	13.045179	0.359163	36.32	<.0001*
app_id[WordPress]	-2.123618	0.809571	-2.62	0.0090*
app_id[eWeLink]	0.3996161	0.826463	0.48	0.6290
app_id[Open Energy Monitor]	-0.392577	0.613121	-0.64	0.5223
app_id[JetRacer]	-2.033511	0.689464	-2.95	0.0034*

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

Term	Estimate	Std Error	t Ratio	Prob> t
app_id[BookInfo]	1.2141405	0.854375	1.42	0.1560
version[v3]	-2.369171	0.421397	-5.62	<.0001*
version[v2]	1.3561101	0.472724	2.87	0.0043*
rag[1]	0.4975741	0.372971	1.33	0.1829
summarized[1]	0.57652	0.314661	1.83	0.0676

Effect Tests

Source	Nparm	DF	Sum of Squares	F Ratio	Prob > F
app_id	5	5	1329.4935	6.1348	<.0001*
version	2	2	1398.5583	16.1337	<.0001*
rag	1	1	77.1407	1.7798	0.1829
summarized	1	1	145.4994	3.3569	0.0676

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

Level	Least Sq Mean	Std Error	0	10	20	30	Mean
WordPress	10.9216	0.9219					10.246
eWeLink	13.4448	0.9496					12.667
Open Energy Monitor	12.6526	0.6211					12.172
JetRacer	11.0117	0.7008					10.777
BookInfo	14.2593	0.9732					13.511
Stack4Things	15.9811	0.8068					15.000

version**Least Squares Means Table**

Level	Least Sq Mean	Std Error	0	10	20	30	Mean
v3	10.6760	0.4785					10.606
v2	14.4013	0.6083					14.040
v1	14.0582	0.6634					13.563

rag**Least Squares Means Table**

Level	Least Sq Mean	Std Error	0	10	20	30	Mean
1	13.5428	0.5910					12.813
0	12.5476	0.4323					11.903

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

Level	Least Sq Mean	Std Error	0	10	20	30	Mean
1	13.6217	0.4688			•		12.720
0	12.4687	0.4861		•			11.746

Scaled Estimates

Nominal factors expanded to all levels

Term	Scaled Estimate	Std Error	t Ratio	Prob> t
Intercept	13.045179	0.359163	36.32	<.0001*
app_id[WordPress]	-2.123618	0.809571	-2.62	0.0090*
app_id[eWeLink]	0.3996161	0.826463	0.48	0.6290
app_id[Open Energy Monitor]	-0.392577	0.613121	-0.64	0.5223
app_id[JetRacer]	-2.033511	0.689464	-2.95	0.0034*
app_id[BookInfo]	1.2141405	0.854375	1.42	0.1560
app_id[Stack4Things]	2.9359499	0.729931	4.02	<.0001*
version[v3]	-2.369171	0.421397	-5.62	<.0001*
version[v2]	1.3561101	0.472724	2.87	0.0043*
version[v1]	1.0130609	0.501023	2.02	0.0438*
rag[1]	0.4975741	0.372971	1.33	0.1829
rag[0]	-0.497574	0.372971	-1.33	0.1829
summarized[1]	0.57652	0.314661	1.83	0.0676
summarized[0]	-0.57652	0.314661	-1.83	0.0676

Prediction Profiler