

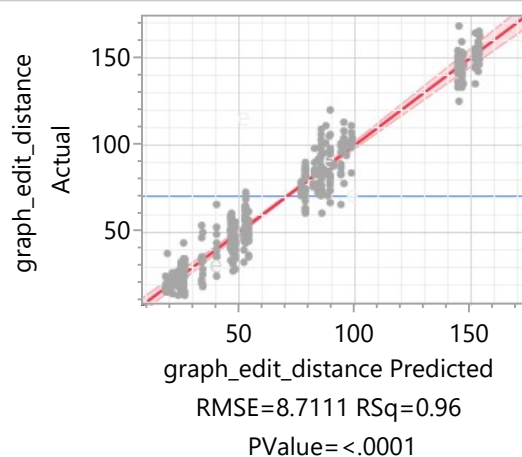
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Least Squares Fit**Effect Summary**

Source	Logworth	PValue
app_id	257.471	0.00000
summarized	52.141	0.00000
rag	34.897	0.00000
version	15.605	0.00000
rag*summarized	4.214	0.00006
app_id*summarized	4.115	0.00008
app_id*version	4.044	0.00009
version*summarized	1.938	0.01154
version*rag	0.357	0.43979

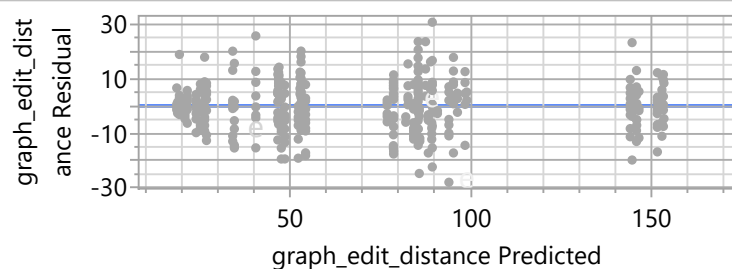
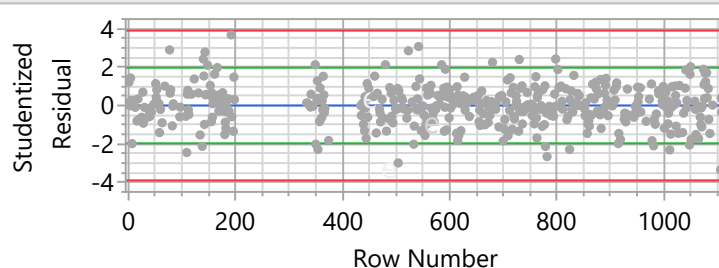
Response graph_edit_distance**Actual by Predicted Plot**

Least Squares Fit**Response graph_edit_distance****Lack Of Fit**

Source	DF	Sum of Squares	Mean Square	F Ratio
Lack Of Fit	28	7225.538	258.055	4.1245
Pure Error	383	23962.703	62.566	Prob > F
Total Error	411	31188.241		<.0001*

Max RSq

0.9696

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	71.116339	0.500005	142.23	<.0001*
app_id[WordPress]	-42.26447	1.110491	-38.06	<.0001*
app_id[eWeLink]	-48.00341	1.150876	-41.71	<.0001*
app_id[Open Energy Monitor]	-21.10899	0.875467	-24.11	<.0001*
app_id[JetRacer]	11.935586	1.018348	11.72	<.0001*
app_id[BookInfo]	21.483551	1.289927	16.65	<.0001*
version[v3]	0.3462863	0.630542	0.55	0.5832
version[v2]	0.4622909	0.733568	0.63	0.5289
rag[1]	0.2738179	0.555321	0.49	0.6222
summarized[1]	4.0284315	0.49639	8.12	<.0001*
app_id[WordPress]*version[v3]	4.2149124	1.488739	2.83	0.0049*
app_id[WordPress]*version[v2]	-2.344088	1.567826	-1.50	0.1357
app_id[eWeLink]*version[v3]	0.7058862	1.492619	0.47	0.6365
app_id[eWeLink]*version[v2]	0.6196795	1.588416	0.39	0.6966
app_id[Open Energy Monitor]*version[v3]	0.1927526	1.098668	0.18	0.8608
app_id[Open Energy Monitor]*version[v2]	-0.414979	1.270385	-0.33	0.7441
app_id[JetRacer]*version[v3]	-2.156476	1.248452	-1.73	0.0849
app_id[JetRacer]*version[v2]	2.2681836	1.486923	1.53	0.1279
app_id[BookInfo]*version[v3]	-2.349057	1.554838	-1.51	0.1316
app_id[BookInfo]*version[v2]	-0.582839	1.938689	-0.30	0.7638
app_id[WordPress]*summarized[1]	3.5084471	1.091225	3.22	0.0014*
app_id[eWeLink]*summarized[1]	-1.449327	1.099341	-1.32	0.1881

Least Squares Fit**Response graph_edit_distance****Parameter Estimates**

Term	Estimate	Std Error	t Ratio	Prob> t
app_id[Open Energy Monitor]*summarized[1]	-1.066254	0.826632	-1.29	0.1978
app_id[JetRacer]*summarized[1]	-0.509753	0.941492	-0.54	0.5885
app_id[BookInfo]*summarized[1]	-0.069824	1.203358	-0.06	0.9538
version[v3]*rag[1]	0.4746161	0.676259	0.70	0.4832
version[v2]*rag[1]	-0.078919	0.800336	-0.10	0.9215
version[v3]*summarized[1]	0.0343325	0.572305	0.06	0.9522
version[v2]*summarized[1]	-0.028798	0.646818	-0.04	0.9645
rag[1]*summarized[1]	-0.117795	0.502408	-0.23	0.8147

Effect Tests

Source	Nparm	DF	Sum of Squares	F Ratio	Prob > F
app_id	5	5	548260.96	1445.001	<.0001*
version	2	2	86.80	0.5719	0.5649
rag	1	1	18.45	0.2431	0.6222
summarized	1	1	4997.76	65.8607	<.0001*
app_id*version	10	10	951.74	1.2542	0.2546
app_id*summarized	5	5	925.72	2.4398	0.0339*
version*rag	2	2	38.78	0.2555	0.7747
version*summarized	2	2	0.32	0.0021	0.9979
rag*summarized	1	1	4.17	0.0550	0.8147

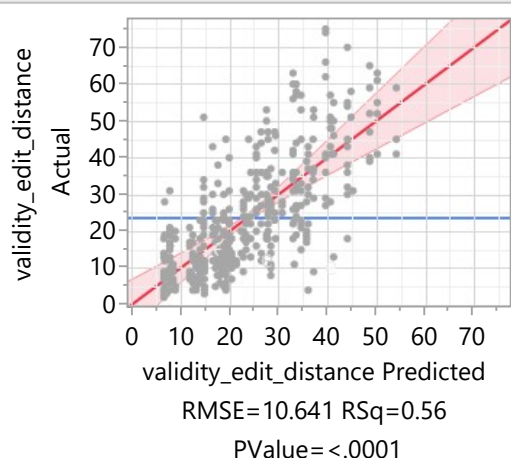
Scaled Estimates

Nominal factors expanded to all levels

Term	Scaled Estimate	Std Error	t Ratio	Prob> t
Intercept	71.116339	0.500005	142.23	<.0001*
app_id[WordPress]	-42.26447	1.110491	-38.06	<.0001*
app_id[eWeLink]	-48.00341	1.150876	-41.71	<.0001*
app_id[Open Energy Monitor]	-21.10899	0.875467	-24.11	<.0001*
app_id[JetRacer]	11.935586	1.018348	11.72	<.0001*
app_id[BookInfo]	21.483551	1.289927	16.65	<.0001*
app_id[Stack4Things]	77.95773	1.123161	69.41	<.0001*
version[v3]	0.3462863	0.630542	0.55	0.5832
version[v2]	0.4622909	0.733568	0.63	0.5289
version[v1]	-0.808577	0.757806	-1.07	0.2866
rag[1]	0.2738179	0.555321	0.49	0.6222
rag[0]	-0.273818	0.555321	-0.49	0.6222
summarized[1]	4.0284315	0.49639	8.12	<.0001*
summarized[0]	-4.028431	0.49639	-8.12	<.0001*
app_id[WordPress]*version[v3]	4.2149124	1.488739	2.83	0.0049*
app_id[WordPress]*version[v2]	-2.344088	1.567826	-1.50	0.1357
app_id[WordPress]*version[v1]	-1.870824	1.655791	-1.13	0.2592
app_id[eWeLink]*version[v3]	0.7058862	1.492619	0.47	0.6365
app_id[eWeLink]*version[v2]	0.6196795	1.588416	0.39	0.6966
app_id[eWeLink]*version[v1]	-1.325566	1.784943	-0.74	0.4581
app_id[Open Energy Monitor]*version[v3]	0.1927526	1.098668	0.18	0.8608
app_id[Open Energy Monitor]*version[v2]	-0.414979	1.270385	-0.33	0.7441
app_id[Open Energy Monitor]*version[v1]	0.2222262	1.326472	0.17	0.8670
app_id[JetRacer]*version[v3]	-2.156476	1.248452	-1.73	0.0849
app_id[JetRacer]*version[v2]	2.2681836	1.486923	1.53	0.1279
app_id[JetRacer]*version[v1]	-0.111708	1.541062	-0.07	0.9422

Least Squares Fit**Response graph_edit_distance****Scaled Estimates**

Term	Scaled Estimate	Std Error	t Ratio	Prob> t
app_id[BookInfo]*version[v3]	-2.349057	1.554838	-1.51	0.1316
app_id[BookInfo]*version[v2]	-0.582839	1.938689	-0.30	0.7638
app_id[BookInfo]*version[v1]	2.931896	1.994458	1.47	0.1423
app_id[Stack4Things]*version[v3]	-0.608019	1.346959	-0.45	0.6519
app_id[Stack4Things]*version[v2]	0.4540431	1.546841	0.29	0.7693
app_id[Stack4Things]*version[v1]	0.1539755	1.826325	0.08	0.9329
app_id[WordPress]*summarized[1]	3.5084471	1.091225	3.22	0.0014*
app_id[WordPress]*summarized[0]	-3.508447	1.091225	-3.22	0.0014*
app_id[eWeLink]*summarized[1]	-1.449327	1.099341	-1.32	0.1881
app_id[eWeLink]*summarized[0]	1.4493268	1.099341	1.32	0.1881
app_id[Open Energy Monitor]*summarized[1]	-1.066254	0.826632	-1.29	0.1978
app_id[Open Energy Monitor]*summarized[0]	1.0662542	0.826632	1.29	0.1978
app_id[JetRacer]*summarized[1]	-0.509753	0.941492	-0.54	0.5885
app_id[JetRacer]*summarized[0]	0.5097531	0.941492	0.54	0.5885
app_id[BookInfo]*summarized[1]	-0.069824	1.203358	-0.06	0.9538
app_id[BookInfo]*summarized[0]	0.0698242	1.203358	0.06	0.9538
app_id[Stack4Things]*summarized[1]	-0.413289	0.981375	-0.42	0.6739
app_id[Stack4Things]*summarized[0]	0.4132888	0.981375	0.42	0.6739
version[v3]*rag[1]	0.4746161	0.676259	0.70	0.4832
version[v3]*rag[0]	-0.474616	0.676259	-0.70	0.4832
version[v2]*rag[1]	-0.078919	0.800336	-0.10	0.9215
version[v2]*rag[0]	0.0789193	0.800336	0.10	0.9215
version[v1]*rag[1]	-0.395697	0.864673	-0.46	0.6475
version[v1]*rag[0]	0.3956968	0.864673	0.46	0.6475
version[v3]*summarized[1]	0.0343325	0.572305	0.06	0.9522
version[v3]*summarized[0]	-0.034333	0.572305	-0.06	0.9522
version[v2]*summarized[1]	-0.028798	0.646818	-0.04	0.9645
version[v2]*summarized[0]	0.0287978	0.646818	0.04	0.9645
version[v1]*summarized[1]	-0.005535	0.690088	-0.01	0.9936
version[v1]*summarized[0]	0.0055348	0.690088	0.01	0.9936
rag[1]*summarized[1]	-0.117795	0.502408	-0.23	0.8147
rag[1]*summarized[0]	0.1177947	0.502408	0.23	0.8147
rag[0]*summarized[1]	0.1177947	0.502408	0.23	0.8147
rag[0]*summarized[0]	-0.117795	0.502408	-0.23	0.8147

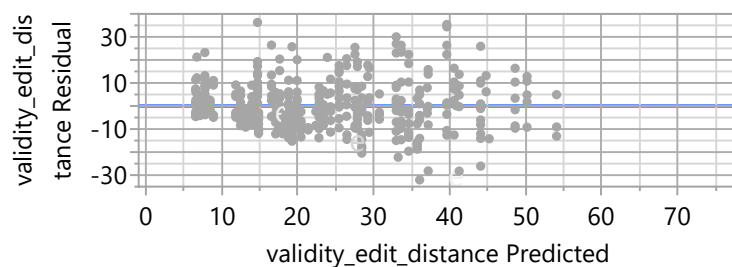
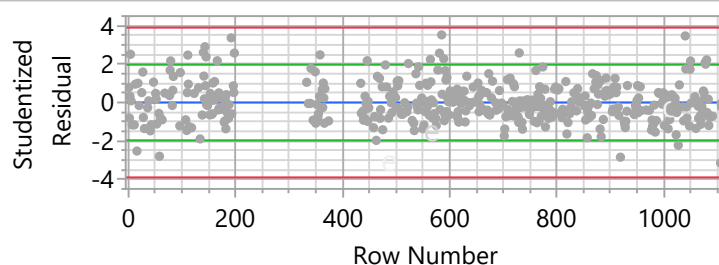
Response validity_edit_distance**Actual by Predicted Plot**

Least Squares Fit**Response validity_edit_distance****Lack Of Fit**

Source	DF	Sum of Squares	Mean Square	F Ratio
Lack Of Fit	28	13083.019	467.251	5.3488
Pure Error	383	33457.217	87.356	Prob > F
Total Error	411	46540.236		<.0001*

Max RSq

0.6847

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	24.76647	0.610792	40.55	<.0001*
app_id[WordPress]	-5.703973	1.356544	-4.20	<.0001*
app_id[eWeLink]	-8.545863	1.405877	-6.08	<.0001*
app_id[Open Energy Monitor]	-10.60215	1.069446	-9.91	<.0001*
app_id[JetRacer]	3.9999145	1.243984	3.22	0.0014*
app_id[BookInfo]	6.2061276	1.575738	3.94	<.0001*
version[v3]	0.6871868	0.770252	0.89	0.3728
version[v2]	0.6917004	0.896106	0.77	0.4406
rag[1]	2.104025	0.678364	3.10	0.0021*
summarized[1]	6.1071224	0.606375	10.07	<.0001*
app_id[WordPress]*version[v3]	4.0654203	1.818601	2.24	0.0259*
app_id[WordPress]*version[v2]	-2.198599	1.915212	-1.15	0.2517
app_id[eWeLink]*version[v3]	2.2021646	1.823341	1.21	0.2278
app_id[eWeLink]*version[v2]	-0.686004	1.940364	-0.35	0.7239
app_id[Open Energy Monitor]*version[v3]	-0.694123	1.342101	-0.52	0.6053
app_id[Open Energy Monitor]*version[v2]	-0.632183	1.551866	-0.41	0.6839
app_id[JetRacer]*version[v3]	-3.140168	1.525073	-2.06	0.0401*
app_id[JetRacer]*version[v2]	2.3878878	1.816383	1.31	0.1894
app_id[BookInfo]*version[v3]	-1.045276	1.899345	-0.55	0.5824
app_id[BookInfo]*version[v2]	-1.814872	2.368247	-0.77	0.4439
app_id[WordPress]*summarized[1]	0.9905071	1.333009	0.74	0.4579
app_id[eWeLink]*summarized[1]	-2.241625	1.342923	-1.67	0.0958

Least Squares Fit**Response validity_edit_distance****Parameter Estimates**

Term	Estimate	Std Error	t Ratio	Prob> t
app_id[Open Energy Monitor]*summarized[1]	-2.496623	1.009791	-2.47	0.0138*
app_id[JetRacer]*summarized[1]	-0.937705	1.150099	-0.82	0.4154
app_id[BookInfo]*summarized[1]	2.3783134	1.469988	1.62	0.1064
version[v3]*rag[1]	0.7975999	0.826098	0.97	0.3349
version[v2]*rag[1]	0.4722785	0.977667	0.48	0.6293
version[v3]*summarized[1]	-0.778927	0.699112	-1.11	0.2659
version[v2]*summarized[1]	0.6658117	0.790135	0.84	0.3999
rag[1]*summarized[1]	-0.63303	0.613727	-1.03	0.3029

Effect Tests

Source	Nparm	DF	Sum of Squares	F Ratio	Prob > F
app_id	5	5	28779.202	50.8302	<.0001*
version	2	2	257.902	1.1388	0.3212
rag	1	1	1089.339	9.6200	0.0021*
summarized	1	1	11486.215	101.4355	<.0001*
app_id*version	10	10	1296.041	1.1445	0.3273
app_id*summarized	5	5	1626.347	2.8725	0.0146*
version*rag	2	2	185.580	0.8194	0.4414
version*summarized	2	2	165.479	0.7307	0.4822
rag*summarized	1	1	120.472	1.0639	0.3029

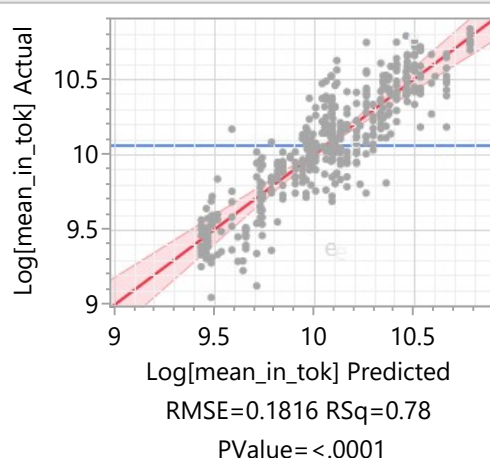
Scaled Estimates

Nominal factors expanded to all levels

Term	Scaled Estimate	Std Error	t Ratio	Prob> t
Intercept	24.76647	0.610792	40.55	<.0001*
app_id[WordPress]	-5.703973	1.356544	-4.20	<.0001*
app_id[eWeLink]	-8.545863	1.405877	-6.08	<.0001*
app_id[Open Energy Monitor]	-10.60215	1.069446	-9.91	<.0001*
app_id[JetRacer]	3.9999145	1.243984	3.22	0.0014*
app_id[BookInfo]	6.2061276	1.575738	3.94	<.0001*
app_id[Stack4Things]	14.645948	1.372021	10.67	<.0001*
version[v3]	0.6871868	0.770252	0.89	0.3728
version[v2]	0.6917004	0.896106	0.77	0.4406
version[v1]	-1.378887	0.925714	-1.49	0.1371
rag[1]	2.104025	0.678364	3.10	0.0021*
rag[0]	-2.104025	0.678364	-3.10	0.0021*
summarized[1]	6.1071224	0.606375	10.07	<.0001*
summarized[0]	-6.107122	0.606375	-10.07	<.0001*
app_id[WordPress]*version[v3]	4.0654203	1.818601	2.24	0.0259*
app_id[WordPress]*version[v2]	-2.198599	1.915212	-1.15	0.2517
app_id[WordPress]*version[v1]	-1.866821	2.022667	-0.92	0.3566
app_id[eWeLink]*version[v3]	2.2021646	1.823341	1.21	0.2278
app_id[eWeLink]*version[v2]	-0.686004	1.940364	-0.35	0.7239
app_id[eWeLink]*version[v1]	-1.516161	2.180435	-0.70	0.4872
app_id[Open Energy Monitor]*version[v3]	-0.694123	1.342101	-0.52	0.6053
app_id[Open Energy Monitor]*version[v2]	-0.632183	1.551866	-0.41	0.6839
app_id[Open Energy Monitor]*version[v1]	1.3263068	1.62038	0.82	0.4135
app_id[JetRacer]*version[v3]	-3.140168	1.525073	-2.06	0.0401*
app_id[JetRacer]*version[v2]	2.3878878	1.816383	1.31	0.1894
app_id[JetRacer]*version[v1]	0.7522801	1.882518	0.40	0.6896

Least Squares Fit**Response validity_edit_distance****Scaled Estimates**

Term	Scaled Estimate	Std Error	t Ratio	Prob> t
app_id[BookInfo]*version[v3]	-1.045276	1.899345	-0.55	0.5824
app_id[BookInfo]*version[v2]	-1.814872	2.368247	-0.77	0.4439
app_id[BookInfo]*version[v1]	2.8601482	2.436373	1.17	0.2411
app_id[Stack4Things]*version[v3]	-1.388018	1.645406	-0.84	0.3994
app_id[Stack4Things]*version[v2]	2.9437708	1.889577	1.56	0.1200
app_id[Stack4Things]*version[v1]	-1.555753	2.230986	-0.70	0.4860
app_id[WordPress]*summarized[1]	0.9905071	1.333009	0.74	0.4579
app_id[WordPress]*summarized[0]	-0.990507	1.333009	-0.74	0.4579
app_id[eWeLink]*summarized[1]	-2.241625	1.342923	-1.67	0.0958
app_id[eWeLink]*summarized[0]	2.2416246	1.342923	1.67	0.0958
app_id[Open Energy Monitor]*summarized[1]	-2.496623	1.009791	-2.47	0.0138*
app_id[Open Energy Monitor]*summarized[0]	2.4966231	1.009791	2.47	0.0138*
app_id[JetRacer]*summarized[1]	-0.937705	1.150099	-0.82	0.4154
app_id[JetRacer]*summarized[0]	0.9377048	1.150099	0.82	0.4154
app_id[BookInfo]*summarized[1]	2.3783134	1.469988	1.62	0.1064
app_id[BookInfo]*summarized[0]	-2.378313	1.469988	-1.62	0.1064
app_id[Stack4Things]*summarized[1]	2.307132	1.19882	1.92	0.0550
app_id[Stack4Things]*summarized[0]	-2.307132	1.19882	-1.92	0.0550
version[v3]*rag[1]	0.7975999	0.826098	0.97	0.3349
version[v3]*rag[0]	-0.7976	0.826098	-0.97	0.3349
version[v2]*rag[1]	0.4722785	0.977667	0.48	0.6293
version[v2]*rag[0]	-0.472278	0.977667	-0.48	0.6293
version[v1]*rag[1]	-1.269878	1.05626	-1.20	0.2300
version[v1]*rag[0]	1.2698784	1.05626	1.20	0.2300
version[v3]*summarized[1]	-0.778927	0.699112	-1.11	0.2659
version[v3]*summarized[0]	0.778927	0.699112	1.11	0.2659
version[v2]*summarized[1]	0.6658117	0.790135	0.84	0.3999
version[v2]*summarized[0]	-0.665812	0.790135	-0.84	0.3999
version[v1]*summarized[1]	0.1131153	0.842991	0.13	0.8933
version[v1]*summarized[0]	-0.113115	0.842991	-0.13	0.8933
rag[1]*summarized[1]	-0.63303	0.613727	-1.03	0.3029
rag[1]*summarized[0]	0.6330303	0.613727	1.03	0.3029
rag[0]*summarized[1]	0.6330303	0.613727	1.03	0.3029
rag[0]*summarized[0]	-0.63303	0.613727	-1.03	0.3029

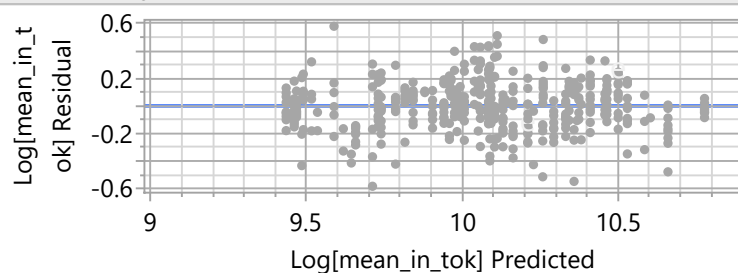
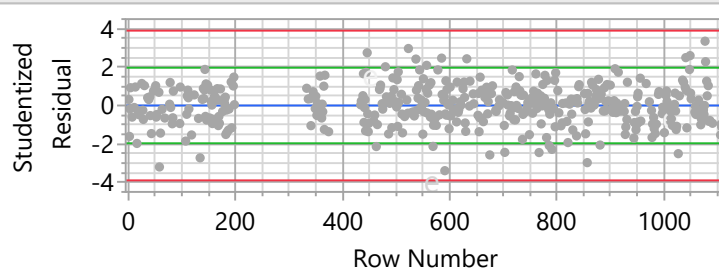
Response Log[mean_in_tok]**Actual by Predicted Plot**

Least Squares Fit**Response Log[mean_in_tok]****Lack Of Fit**

Source	DF	Sum of Squares	Mean Square	F Ratio
Lack Of Fit	28	3.816151	0.136291	5.3597
Pure Error	383	9.739287	0.025429	Prob > F
Total Error	411	13.555439		<.0001*

Max RSq

0.8447

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	10.055947	0.010424	964.69	<.0001*
app_id[WordPress]	-0.158518	0.023151	-6.85	<.0001*
app_id[eWeLink]	-0.113052	0.023993	-4.71	<.0001*
app_id[Open Energy Monitor]	-0.072271	0.018252	-3.96	<.0001*
app_id[JetRacer]	0.0317563	0.02123	1.50	0.1355
app_id[BookInfo]	-0.034364	0.026892	-1.28	0.2020
version[v3]	0.1164867	0.013145	8.86	<.0001*
version[v2]	-0.053722	0.015293	-3.51	0.0005*
rag[1]	0.1590906	0.011577	13.74	<.0001*
summarized[1]	0.1839957	0.010349	17.78	<.0001*
app_id[WordPress]*version[v3]	0.1137922	0.031037	3.67	0.0003*
app_id[WordPress]*version[v2]	-0.045796	0.032686	-1.40	0.1619
app_id[eWeLink]*version[v3]	0.0245453	0.031118	0.79	0.4307
app_id[eWeLink]*version[v2]	-0.025002	0.033115	-0.76	0.4507
app_id[Open Energy Monitor]*version[v3]	-0.030544	0.022905	-1.33	0.1831
app_id[Open Energy Monitor]*version[v2]	0.0494688	0.026485	1.87	0.0625
app_id[JetRacer]*version[v3]	-0.131484	0.026028	-5.05	<.0001*
app_id[JetRacer]*version[v2]	0.0767115	0.030999	2.47	0.0137*
app_id[BookInfo]*version[v3]	-0.014633	0.032415	-0.45	0.6519
app_id[BookInfo]*version[v2]	-0.019699	0.040418	-0.49	0.6262
app_id[WordPress]*summarized[1]	-0.063343	0.02275	-2.78	0.0056*
app_id[eWeLink]*summarized[1]	-0.004482	0.022919	-0.20	0.8451

Least Squares Fit**Response Log[mean_in_tok]****Parameter Estimates**

Term	Estimate	Std Error	t Ratio	Prob> t
app_id[Open Energy Monitor]*summarized[1]	-0.009498	0.017234	-0.55	0.5819
app_id[JetRacer]*summarized[1]	0.0661662	0.019628	3.37	0.0008*
app_id[BookInfo]*summarized[1]	0.062677	0.025087	2.50	0.0129*
version[v3]*rag[1]	0.0029028	0.014099	0.21	0.8370
version[v2]*rag[1]	0.0001962	0.016685	0.01	0.9906
version[v3]*summarized[1]	-0.035617	0.011931	-2.99	0.0030*
version[v2]*summarized[1]	0.0188515	0.013485	1.40	0.1629
rag[1]*summarized[1]	-0.038173	0.010474	-3.64	0.0003*

Effect Tests

Source	Nparm	DF	Sum of Squares	F Ratio	Prob > F
app_id	5	5	8.266350	50.1270	<.0001*
version	2	2	2.589944	39.2635	<.0001*
rag	1	1	6.228027	188.8334	<.0001*
summarized	1	1	10.426026	316.1164	<.0001*
app_id*version	10	10	1.222108	3.7054	<.0001*
app_id*summarized	5	5	0.893819	5.4201	<.0001*
version*rag	2	2	0.001624	0.0246	0.9757
version*summarized	2	2	0.297570	4.5112	0.0115*
rag*summarized	1	1	0.438070	13.2822	0.0003*

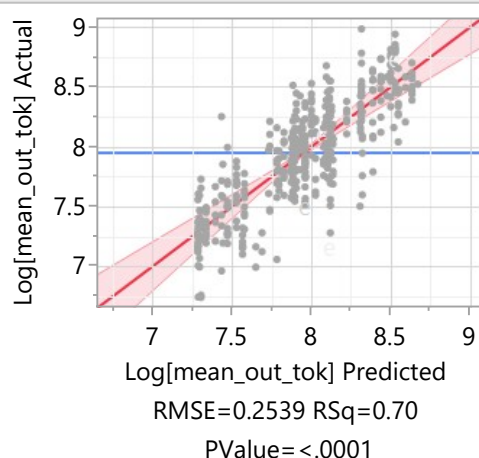
Scaled Estimates

Nominal factors expanded to all levels

Term	Scaled Estimate	Std Error	t Ratio	Prob> t
Intercept	10.055947	0.010424	964.69	<.0001*
app_id[WordPress]	-0.158518	0.023151	-6.85	<.0001*
app_id[eWeLink]	-0.113052	0.023993	-4.71	<.0001*
app_id[Open Energy Monitor]	-0.072271	0.018252	-3.96	<.0001*
app_id[JetRacer]	0.0317563	0.02123	1.50	0.1355
app_id[BookInfo]	-0.034364	0.026892	-1.28	0.2020
app_id[Stack4Things]	0.3464482	0.023415	14.80	<.0001*
version[v3]	0.1164867	0.013145	8.86	<.0001*
version[v2]	-0.053722	0.015293	-3.51	0.0005*
version[v1]	-0.062765	0.015799	-3.97	<.0001*
rag[1]	0.1590906	0.011577	13.74	<.0001*
rag[0]	-0.159091	0.011577	-13.74	<.0001*
summarized[1]	0.1839957	0.010349	17.78	<.0001*
summarized[0]	-0.183996	0.010349	-17.78	<.0001*
app_id[WordPress]*version[v3]	0.1137922	0.031037	3.67	0.0003*
app_id[WordPress]*version[v2]	-0.045796	0.032686	-1.40	0.1619
app_id[WordPress]*version[v1]	-0.067996	0.03452	-1.97	0.0495*
app_id[eWeLink]*version[v3]	0.0245453	0.031118	0.79	0.4307
app_id[eWeLink]*version[v2]	-0.025002	0.033115	-0.76	0.4507
app_id[eWeLink]*version[v1]	0.0004568	0.037212	0.01	0.9902
app_id[Open Energy Monitor]*version[v3]	-0.030544	0.022905	-1.33	0.1831
app_id[Open Energy Monitor]*version[v2]	0.0494688	0.026485	1.87	0.0625
app_id[Open Energy Monitor]*version[v1]	-0.018925	0.027654	-0.68	0.4941
app_id[JetRacer]*version[v3]	-0.131484	0.026028	-5.05	<.0001*
app_id[JetRacer]*version[v2]	0.0767115	0.030999	2.47	0.0137*
app_id[JetRacer]*version[v1]	0.0547729	0.032128	1.70	0.0890

Least Squares Fit**Response Log[mean_in_tok]****Scaled Estimates**

Term	Scaled Estimate		Std Error	t Ratio	Prob> t
app_id[BookInfo]*version[v3]	-0.014633		0.032415	-0.45	0.6519
app_id[BookInfo]*version[v2]	-0.019699		0.040418	-0.49	0.6262
app_id[BookInfo]*version[v1]	0.0343315		0.04158	0.83	0.4095
app_id[Stack4Things]*version[v3]	0.0383238		0.028081	1.36	0.1731
app_id[Stack4Things]*version[v2]	-0.035683		0.032248	-1.11	0.2691
app_id[Stack4Things]*version[v1]	-0.00264		0.038075	-0.07	0.9447
app_id[WordPress]*summarized[1]	-0.063343		0.02275	-2.78	0.0056*
app_id[WordPress]*summarized[0]	0.0633425		0.02275	2.78	0.0056*
app_id[eWeLink]*summarized[1]	-0.004482		0.022919	-0.20	0.8451
app_id[eWeLink]*summarized[0]	0.0044817		0.022919	0.20	0.8451
app_id[Open Energy Monitor]*summarized[1]	-0.009498		0.017234	-0.55	0.5819
app_id[Open Energy Monitor]*summarized[0]	0.0094976		0.017234	0.55	0.5819
app_id[JetRacer]*summarized[1]	0.0661662		0.019628	3.37	0.0008*
app_id[JetRacer]*summarized[0]	-0.066166		0.019628	-3.37	0.0008*
app_id[BookInfo]*summarized[1]	0.062677		0.025087	2.50	0.0129*
app_id[BookInfo]*summarized[0]	-0.062677		0.025087	-2.50	0.0129*
app_id[Stack4Things]*summarized[1]	-0.051521		0.02046	-2.52	0.0122*
app_id[Stack4Things]*summarized[0]	0.0515213		0.02046	2.52	0.0122*
version[v3]*rag[1]	0.0029028		0.014099	0.21	0.8370
version[v3]*rag[0]	-0.002903		0.014099	-0.21	0.8370
version[v2]*rag[1]	0.0001962		0.016685	0.01	0.9906
version[v2]*rag[0]	-0.000196		0.016685	-0.01	0.9906
version[v1]*rag[1]	-0.003099		0.018027	-0.17	0.8636
version[v1]*rag[0]	0.003099		0.018027	0.17	0.8636
version[v3]*summarized[1]	-0.035617		0.011931	-2.99	0.0030*
version[v3]*summarized[0]	0.0356168		0.011931	2.99	0.0030*
version[v2]*summarized[1]	0.0188515		0.013485	1.40	0.1629
version[v2]*summarized[0]	-0.018851		0.013485	-1.40	0.1629
version[v1]*summarized[1]	0.0167653		0.014387	1.17	0.2446
version[v1]*summarized[0]	-0.016765		0.014387	-1.17	0.2446
rag[1]*summarized[1]	-0.038173		0.010474	-3.64	0.0003*
rag[1]*summarized[0]	0.0381727		0.010474	3.64	0.0003*
rag[0]*summarized[1]	0.0381727		0.010474	3.64	0.0003*
rag[0]*summarized[0]	-0.038173		0.010474	-3.64	0.0003*

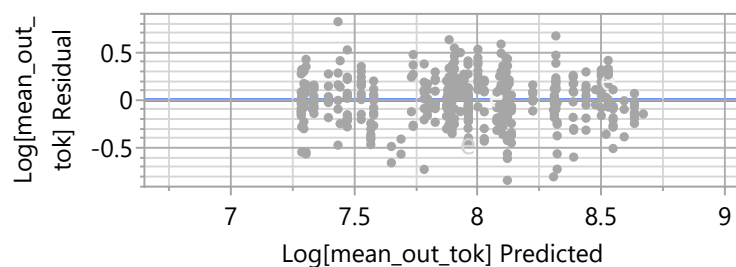
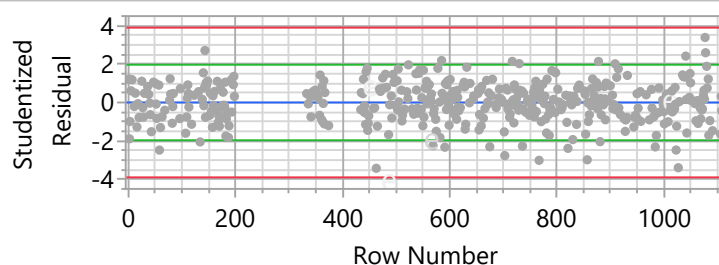
Response Log[mean_out_tok]**Actual by Predicted Plot**

Least Squares Fit**Response Log[mean_out_tok]****Lack Of Fit**

Source	DF	Sum of Squares	Mean Square	F Ratio
Lack Of Fit	28	10.348779	0.369599	8.7700
Pure Error	383	16.141070	0.042144	Prob > F
Total Error	411	26.489849		<.0001*

Max RSq

0.8153

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	7.9621104	0.014572	546.40	<.0001*
app_id[WordPress]	-0.178262	0.032364	-5.51	<.0001*
app_id[eWeLink]	-0.176768	0.033541	-5.27	<.0001*
app_id[Open Energy Monitor]	-0.116085	0.025514	-4.55	<.0001*
app_id[JetRacer]	0.1386213	0.029678	4.67	<.0001*
app_id[BookInfo]	-0.104755	0.037593	-2.79	0.0056*
version[v3]	0.020993	0.018376	1.14	0.2540
version[v2]	-0.0259	0.021379	-1.21	0.2264
rag[1]	0.1585887	0.016184	9.80	<.0001*
summarized[1]	0.202645	0.014467	14.01	<.0001*
app_id[WordPress]*version[v3]	0.1220022	0.043387	2.81	0.0052*
app_id[WordPress]*version[v2]	-0.049211	0.045692	-1.08	0.2821
app_id[eWeLink]*version[v3]	0.0350154	0.0435	0.80	0.4213
app_id[eWeLink]*version[v2]	-0.040292	0.046292	-0.87	0.3846
app_id[Open Energy Monitor]*version[v3]	0.0071594	0.032019	0.22	0.8232
app_id[Open Energy Monitor]*version[v2]	0.0243358	0.037024	0.66	0.5114
app_id[JetRacer]*version[v3]	-0.121186	0.036384	-3.33	0.0009*
app_id[JetRacer]*version[v2]	0.0731637	0.043334	1.69	0.0921
app_id[BookInfo]*version[v3]	-0.055485	0.045314	-1.22	0.2215
app_id[BookInfo]*version[v2]	0.0382678	0.056501	0.68	0.4986
app_id[WordPress]*summarized[1]	-0.040781	0.031802	-1.28	0.2004
app_id[eWeLink]*summarized[1]	-0.019673	0.032039	-0.61	0.5395

Least Squares Fit**Response Log[mean_out_tok]****Parameter Estimates**

Term	Estimate	Std Error	t Ratio	Prob> t
app_id[Open Energy Monitor]*summarized[1]	-0.043223	0.024091	-1.79	0.0735
app_id[JetRacer]*summarized[1]	0.0446467	0.027439	1.63	0.1045
app_id[BookInfo]*summarized[1]	0.1288481	0.03507	3.67	0.0003*
version[v3]*rag[1]	-0.001266	0.019709	-0.06	0.9488
version[v2]*rag[1]	0.0039246	0.023325	0.17	0.8665
version[v3]*summarized[1]	-0.03038	0.016679	-1.82	0.0693
version[v2]*summarized[1]	0.0286508	0.018851	1.52	0.1293
rag[1]*summarized[1]	-0.059304	0.014642	-4.05	<.0001*

Effect Tests

Source	Nparm	DF	Sum of Squares	F Ratio	Prob > F
app_id	5	5	15.034468	46.6531	<.0001*
version	2	2	0.128643	0.9980	0.3695
rag	1	1	6.188787	96.0214	<.0001*
summarized	1	1	12.646649	196.2175	<.0001*
app_id*version	10	10	1.227154	1.9040	0.0430*
app_id*summarized	5	5	1.453656	4.5108	0.0005*
version*rag	2	2	0.001832	0.0142	0.9859
version*summarized	2	2	0.268331	2.0816	0.1260
rag*summarized	1	1	1.057327	16.4048	<.0001*

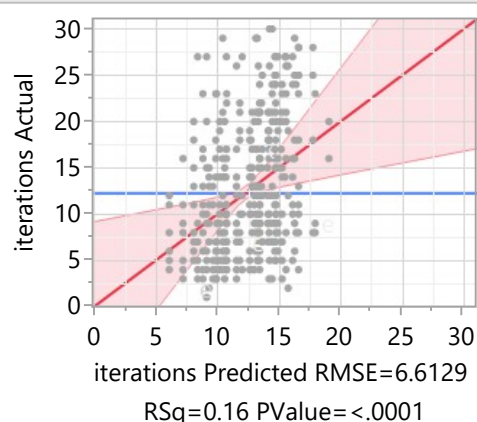
Scaled Estimates

Nominal factors expanded to all levels

Term	Scaled Estimate	Std Error	t Ratio	Prob> t
Intercept	7.9621104	0.014572	546.40	<.0001*
app_id[WordPress]	-0.178262	0.032364	-5.51	<.0001*
app_id[eWeLink]	-0.176768	0.033541	-5.27	<.0001*
app_id[Open Energy Monitor]	-0.116085	0.025514	-4.55	<.0001*
app_id[JetRacer]	0.1386213	0.029678	4.67	<.0001*
app_id[BookInfo]	-0.104755	0.037593	-2.79	0.0056*
app_id[Stack4Things]	0.4372482	0.032733	13.36	<.0001*
version[v3]	0.020993	0.018376	1.14	0.2540
version[v2]	-0.0259	0.021379	-1.21	0.2264
version[v1]	0.0049066	0.022085	0.22	0.8243
rag[1]	0.1585887	0.016184	9.80	<.0001*
rag[0]	-0.158589	0.016184	-9.80	<.0001*
summarized[1]	0.202645	0.014467	14.01	<.0001*
summarized[0]	-0.202645	0.014467	-14.01	<.0001*
app_id[WordPress]*version[v3]	0.1220022	0.043387	2.81	0.0052*
app_id[WordPress]*version[v2]	-0.049211	0.045692	-1.08	0.2821
app_id[WordPress]*version[v1]	-0.072791	0.048256	-1.51	0.1322
app_id[eWeLink]*version[v3]	0.0350154	0.0435	0.80	0.4213
app_id[eWeLink]*version[v2]	-0.040292	0.046292	-0.87	0.3846
app_id[eWeLink]*version[v1]	0.0052767	0.05202	0.10	0.9193
app_id[Open Energy Monitor]*version[v3]	0.0071594	0.032019	0.22	0.8232
app_id[Open Energy Monitor]*version[v2]	0.0243358	0.037024	0.66	0.5114
app_id[Open Energy Monitor]*version[v1]	-0.031495	0.038658	-0.81	0.4157
app_id[JetRacer]*version[v3]	-0.121186	0.036384	-3.33	0.0009*
app_id[JetRacer]*version[v2]	0.0731637	0.043334	1.69	0.0921
app_id[JetRacer]*version[v1]	0.0480222	0.044912	1.07	0.2856

Least Squares Fit**Response Log[mean_out_tok]****Scaled Estimates**

Term	Scaled Estimate		Std Error	t Ratio	Prob> t
app_id[BookInfo]*version[v3]	-0.055485		0.045314	-1.22	0.2215
app_id[BookInfo]*version[v2]	0.0382678		0.056501	0.68	0.4986
app_id[BookInfo]*version[v1]	0.0172173		0.058126	0.30	0.7672
app_id[Stack4Things]*version[v3]	0.012494		0.039255	0.32	0.7504
app_id[Stack4Things]*version[v2]	-0.046264		0.045081	-1.03	0.3054
app_id[Stack4Things]*version[v1]	0.0337698		0.053226	0.63	0.5261
app_id[WordPress]*summarized[1]	-0.040781		0.031802	-1.28	0.2004
app_id[WordPress]*summarized[0]	0.0407812		0.031802	1.28	0.2004
app_id[eWeLink]*summarized[1]	-0.019673		0.032039	-0.61	0.5395
app_id[eWeLink]*summarized[0]	0.0196734		0.032039	0.61	0.5395
app_id[Open Energy Monitor]*summarized[1]	-0.043223		0.024091	-1.79	0.0735
app_id[Open Energy Monitor]*summarized[0]	0.0432233		0.024091	1.79	0.0735
app_id[JetRacer]*summarized[1]	0.0446467		0.027439	1.63	0.1045
app_id[JetRacer]*summarized[0]	-0.044647		0.027439	-1.63	0.1045
app_id[BookInfo]*summarized[1]	0.1288481		0.03507	3.67	0.0003*
app_id[BookInfo]*summarized[0]	-0.128848		0.03507	-3.67	0.0003*
app_id[Stack4Things]*summarized[1]	-0.069817		0.028601	-2.44	0.0151*
app_id[Stack4Things]*summarized[0]	0.0698169		0.028601	2.44	0.0151*
version[v3]*rag[1]	-0.001266		0.019709	-0.06	0.9488
version[v3]*rag[0]	0.0012659		0.019709	0.06	0.9488
version[v2]*rag[1]	0.0039246		0.023325	0.17	0.8665
version[v2]*rag[0]	-0.003925		0.023325	-0.17	0.8665
version[v1]*rag[1]	-0.002659		0.0252	-0.11	0.9160
version[v1]*rag[0]	0.0026587		0.0252	0.11	0.9160
version[v3]*summarized[1]	-0.03038		0.016679	-1.82	0.0693
version[v3]*summarized[0]	0.0303799		0.016679	1.82	0.0693
version[v2]*summarized[1]	0.0286508		0.018851	1.52	0.1293
version[v2]*summarized[0]	-0.028651		0.018851	-1.52	0.1293
version[v1]*summarized[1]	0.0017291		0.020112	0.09	0.9315
version[v1]*summarized[0]	-0.001729		0.020112	-0.09	0.9315
rag[1]*summarized[1]	-0.059304		0.014642	-4.05	<.0001*
rag[1]*summarized[0]	0.0593043		0.014642	4.05	<.0001*
rag[0]*summarized[1]	0.0593043		0.014642	4.05	<.0001*
rag[0]*summarized[0]	-0.059304		0.014642	-4.05	<.0001*

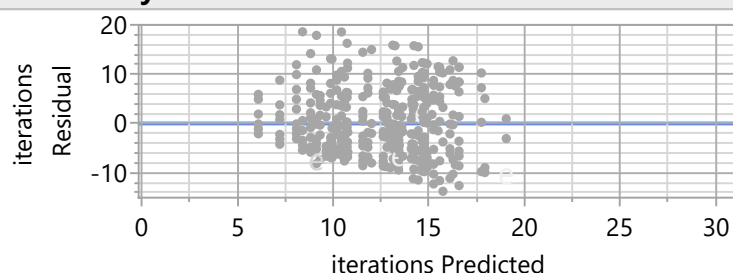
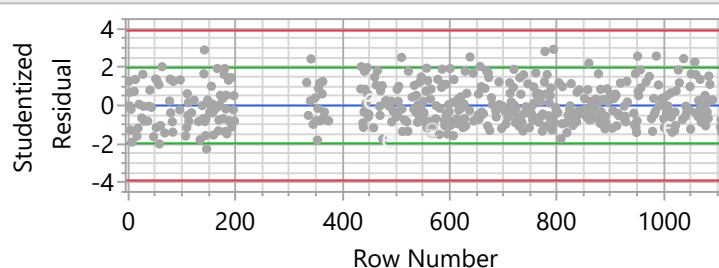
Response iterations**Actual by Predicted Plot**

Least Squares Fit**Response iterations****Lack Of Fit**

Source	DF	Sum of Squares	Mean Square	F Ratio
Lack Of Fit	28	1094.005	39.0716	0.8866
Pure Error	383	16879.019	44.0705	Prob > F
Total Error	411	17973.023		0.6355

Max RSq

0.2108

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	12.970249	0.379568	34.17	<.0001*
app_id[WordPress]	-2.269316	0.843005	-2.69	0.0074*
app_id[eWeLink]	0.2048093	0.873663	0.23	0.8148
app_id[Open Energy Monitor]	-0.102418	0.664592	-0.15	0.8776
app_id[JetRacer]	-1.56079	0.773056	-2.02	0.0441*
app_id[BookInfo]	1.4729645	0.97922	1.50	0.1333
version[v3]	-2.100002	0.478662	-4.39	<.0001*
version[v2]	1.2890455	0.556872	2.31	0.0211*
rag[1]	0.3147032	0.42156	0.75	0.4558
summarized[1]	0.5652604	0.376823	1.50	0.1344
app_id[WordPress]*version[v3]	1.694851	1.130144	1.50	0.1345
app_id[WordPress]*version[v2]	-0.943919	1.190181	-0.79	0.4282
app_id[eWeLink]*version[v3]	0.2842548	1.133089	0.25	0.8020
app_id[eWeLink]*version[v2]	0.6694283	1.205812	0.56	0.5791
app_id[Open Energy Monitor]*version[v3]	-1.05779	0.83403	-1.27	0.2054
app_id[Open Energy Monitor]*version[v2]	1.1576521	0.964385	1.20	0.2307
app_id[JetRacer]*version[v3]	-1.858196	0.947735	-1.96	0.0506
app_id[JetRacer]*version[v2]	0.2197639	1.128765	0.19	0.8457
app_id[BookInfo]*version[v3]	-0.59271	1.180321	-0.50	0.6158
app_id[BookInfo]*version[v2]	-0.819146	1.471714	-0.56	0.5781
app_id[WordPress]*summarized[1]	-1.465944	0.82838	-1.77	0.0775
app_id[eWeLink]*summarized[1]	-0.106984	0.834541	-0.13	0.8981

Least Squares Fit**Response iterations****Parameter Estimates**

Term	Estimate	Std Error	t Ratio	Prob> t
app_id[Open Energy Monitor]*summarized[1]	-0.141795	0.62752	-0.23	0.8213
app_id[JetRacer]*summarized[1]	0.3310384	0.714713	0.46	0.6435
app_id[BookInfo]*summarized[1]	1.0868653	0.913503	1.19	0.2348
version[v3]*rag[1]	0.0446079	0.513367	0.09	0.9308
version[v2]*rag[1]	0.7188286	0.607558	1.18	0.2374
version[v3]*summarized[1]	-0.10073	0.434453	-0.23	0.8168
version[v2]*summarized[1]	0.0130809	0.491018	0.03	0.9788
rag[1]*summarized[1]	-0.200239	0.381392	-0.53	0.5999

Effect Tests

Source	Nparm	DF	Sum of Squares	F Ratio	Prob > F
app_id	5	5	814.23433	3.7239	0.0026*
version	2	2	860.32750	9.8368	<.0001*
rag	1	1	24.37046	0.5573	0.4558
summarized	1	1	98.40128	2.2502	0.1344
app_id*version	10	10	423.48821	0.9684	0.4704
app_id*summarized	5	5	171.86997	0.7861	0.5601
version*rag	2	2	71.98860	0.8231	0.4398
version*summarized	2	2	2.51932	0.0288	0.9716
rag*summarized	1	1	12.05407	0.2756	0.5999

Scaled Estimates

Nominal factors expanded to all levels

Term	Scaled Estimate	Std Error	t Ratio	Prob> t
Intercept	12.970249	0.379568	34.17	<.0001*
app_id[WordPress]	-2.269316	0.843005	-2.69	0.0074*
app_id[eWeLink]	0.2048093	0.873663	0.23	0.8148
app_id[Open Energy Monitor]	-0.102418	0.664592	-0.15	0.8776
app_id[JetRacer]	-1.56079	0.773056	-2.02	0.0441*
app_id[BookInfo]	1.4729645	0.97922	1.50	0.1333
app_id[Stack4Things]	2.2547505	0.852623	2.64	0.0085*
version[v3]	-2.100002	0.478662	-4.39	<.0001*
version[v2]	1.2890455	0.556872	2.31	0.0211*
version[v1]	0.8109561	0.575272	1.41	0.1594
rag[1]	0.3147032	0.42156	0.75	0.4558
rag[0]	-0.314703	0.42156	-0.75	0.4558
summarized[1]	0.5652604	0.376823	1.50	0.1344
summarized[0]	-0.56526	0.376823	-1.50	0.1344
app_id[WordPress]*version[v3]	1.694851	1.130144	1.50	0.1345
app_id[WordPress]*version[v2]	-0.943919	1.190181	-0.79	0.4282
app_id[WordPress]*version[v1]	-0.750932	1.256958	-0.60	0.5506
app_id[eWeLink]*version[v3]	0.2842548	1.133089	0.25	0.8020
app_id[eWeLink]*version[v2]	0.6694283	1.205812	0.56	0.5791
app_id[eWeLink]*version[v1]	-0.953683	1.355001	-0.70	0.4819
app_id[Open Energy Monitor]*version[v3]	-1.05779	0.83403	-1.27	0.2054
app_id[Open Energy Monitor]*version[v2]	1.1576521	0.964385	1.20	0.2307
app_id[Open Energy Monitor]*version[v1]	-0.099862	1.006962	-0.10	0.9211
app_id[JetRacer]*version[v3]	-1.858196	0.947735	-1.96	0.0506
app_id[JetRacer]*version[v2]	0.2197639	1.128765	0.19	0.8457
app_id[JetRacer]*version[v1]	1.6384319	1.169864	1.40	0.1621

Least Squares Fit**Response iterations****Scaled Estimates**

Term	Scaled Estimate		Std Error	t Ratio	Prob> t
app_id[BookInfo]*version[v3]	-0.59271		1.180321	-0.50	0.6158
app_id[BookInfo]*version[v2]	-0.819146		1.471714	-0.56	0.5781
app_id[BookInfo]*version[v1]	1.4118559		1.51405	0.93	0.3516
app_id[Stack4Things]*version[v3]	1.52959		1.022514	1.50	0.1354
app_id[Stack4Things]*version[v2]	-0.28378		1.174251	-0.24	0.8092
app_id[Stack4Things]*version[v1]	-1.24581		1.386415	-0.90	0.3694
app_id[WordPress]*summarized[1]	-1.465944		0.82838	-1.77	0.0775
app_id[WordPress]*summarized[0]	1.4659443		0.82838	1.77	0.0775
app_id[eWeLink]*summarized[1]	-0.106984		0.834541	-0.13	0.8981
app_id[eWeLink]*summarized[0]	0.1069836		0.834541	0.13	0.8981
app_id[Open Energy Monitor]*summarized[1]	-0.141795		0.62752	-0.23	0.8213
app_id[Open Energy Monitor]*summarized[0]	0.1417951		0.62752	0.23	0.8213
app_id[JetRacer]*summarized[1]	0.3310384		0.714713	0.46	0.6435
app_id[JetRacer]*summarized[0]	-0.331038		0.714713	-0.46	0.6435
app_id[BookInfo]*summarized[1]	1.0868653		0.913503	1.19	0.2348
app_id[BookInfo]*summarized[0]	-1.086865		0.913503	-1.19	0.2348
app_id[Stack4Things]*summarized[1]	0.2968193		0.74499	0.40	0.6905
app_id[Stack4Things]*summarized[0]	-0.296819		0.74499	-0.40	0.6905
version[v3]*rag[1]	0.0446079		0.513367	0.09	0.9308
version[v3]*rag[0]	-0.044608		0.513367	-0.09	0.9308
version[v2]*rag[1]	0.7188286		0.607558	1.18	0.2374
version[v2]*rag[0]	-0.718829		0.607558	-1.18	0.2374
version[v1]*rag[1]	-0.763437		0.656398	-1.16	0.2455
version[v1]*rag[0]	0.7634365		0.656398	1.16	0.2455
version[v3]*summarized[1]	-0.10073		0.434453	-0.23	0.8168
version[v3]*summarized[0]	0.1007301		0.434453	0.23	0.8168
version[v2]*summarized[1]	0.0130809		0.491018	0.03	0.9788
version[v2]*summarized[0]	-0.013081		0.491018	-0.03	0.9788
version[v1]*summarized[1]	0.0876492		0.523865	0.17	0.8672
version[v1]*summarized[0]	-0.087649		0.523865	-0.17	0.8672
rag[1]*summarized[1]	-0.200239		0.381392	-0.53	0.5999
rag[1]*summarized[0]	0.200239		0.381392	0.53	0.5999
rag[0]*summarized[1]	0.200239		0.381392	0.53	0.5999
rag[0]*summarized[0]	-0.200239		0.381392	-0.53	0.5999

Least Squares Fit

Prediction Profiler

