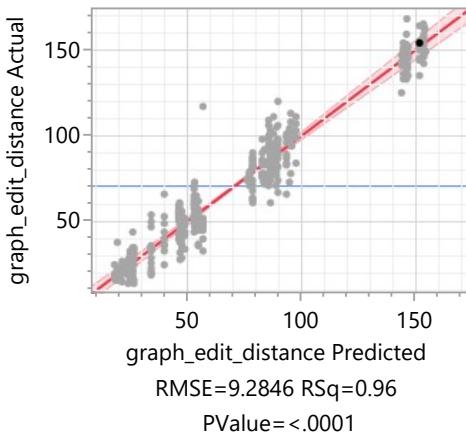


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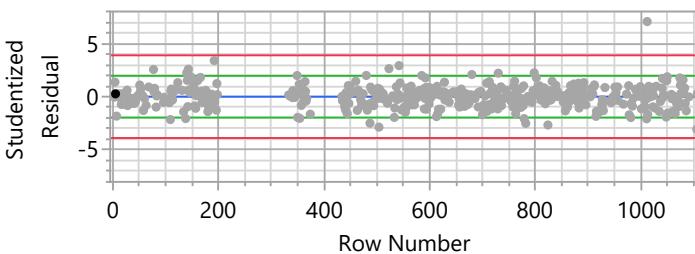
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Fit Group**Response graph_edit_distance****Actual by Predicted Plot****Effect Summary**

Source	Logworth	PValue
app_id	247.216	0.00000
summarized	13.659	0.00000
app_id*summarized	1.108	0.07802
rag	0.731	0.18564
app_id*version	0.338	0.45900
version	0.123	0.75357 ^
version*rag	0.105	0.78493
rag*summarized	0.090	0.81201
version*summarized	0.027	0.94054

Lack Of Fit

Source	DF	Sum of		
		Squares	Mean Square	F Ratio
Lack Of Fit	28	6474.366	231.227	3.0562
Pure Error	385	29128.079	75.657	Prob > F
Total Error	413	35602.445		<.0001*
Max RSq				
0.9632				

Studentized Residuals

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

Fit Group**Response graph_edit_distance****Effect Tests**

Source	Nparm	DF	Sum of		
			Squares	F Ratio	Prob > F
app_id	5	5	546087.17	1266.958	<.0001*
version	2	2	48.81	0.2831	0.7536
rag	1	1	151.52	1.7577	0.1856
summarized	1	1	5409.70	62.7543	<.0001*
app_id*version	10	10	845.87	0.9812	0.4590
app_id*summarized	5	5	860.88	1.9973	0.0780
version*rag	2	2	41.78	0.2423	0.7849
version*summarized	2	2	10.57	0.0613	0.9405
rag*summarized	1	1	4.88	0.0566	0.8120

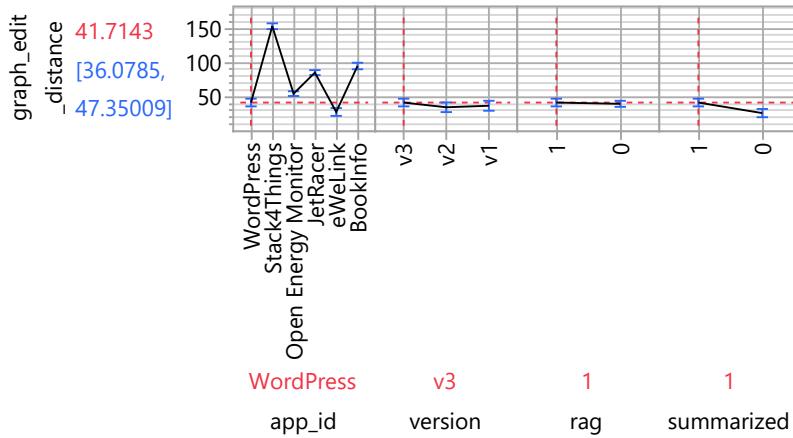
Scaled Estimates

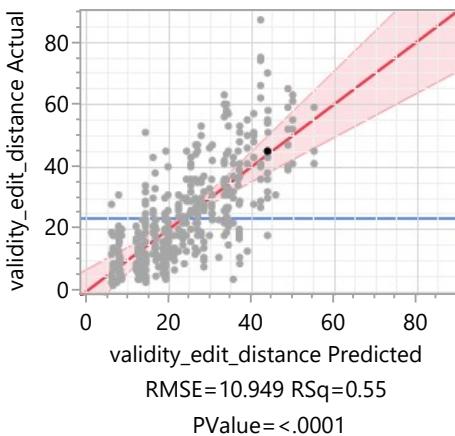
Nominal factors expanded to all levels

Term	Scaled Estimate	Std Error	t Ratio	Prob> t
app_id[WordPress]	-41.963	1.17472	-35.72	<.0001*
app_id[Stack4Things]	78.033901	1.195679	65.26	<.0001*
app_id[Open Energy Monitor]	-20.56636	0.930628	-22.10	<.0001*
app_id[JetRacer]	11.566495	1.085262	10.66	<.0001*
app_id[eWeLink]	-47.60318	1.223687	-38.90	<.0001*
app_id[BookInfo]	20.532143	1.350866	15.20	<.0001*
version[v3]	0.1994181	0.6688	0.30	0.7657
version[v2]	0.4032906	0.777985	0.52	0.6045
version[v1]	-0.602709	0.802499	-0.75	0.4531
rag[1]	0.7791858	0.587716	1.33	0.1856
rag[0]	-0.779186	0.587716	-1.33	0.1856
summarized[1]	4.1798791	0.527645	7.92	<.0001*
summarized[0]	-4.179879	0.527645	-7.92	<.0001*
app_id[WordPress]*version[v3]	3.7296623	1.57113	2.37	0.0181*
app_id[WordPress]*version[v2]	-2.712117	1.665535	-1.63	0.1042
app_id[WordPress]*version[v1]	-1.017545	1.751191	-0.58	0.5615
app_id[Stack4Things]*version[v3]	-0.600296	1.434493	-0.42	0.6758
app_id[Stack4Things]*version[v2]	0.3807498	1.647356	0.23	0.8173
app_id[Stack4Things]*version[v1]	0.2195461	1.944937	0.11	0.9102
app_id[Open Energy Monitor]*version[v3]	-0.513946	1.170738	-0.44	0.6609
app_id[Open Energy Monitor]*version[v2]	-0.967625	1.350967	-0.72	0.4742
app_id[Open Energy Monitor]*version[v1]	1.4815706	1.403519	1.06	0.2918
app_id[JetRacer]*version[v3]	-1.742225	1.333144	-1.31	0.1920
app_id[JetRacer]*version[v2]	2.7867563	1.577847	1.77	0.0781
app_id[JetRacer]*version[v1]	-1.044532	1.637755	-0.64	0.5240
app_id[eWeLink]*version[v3]	0.4133771	1.588913	0.26	0.7949
app_id[eWeLink]*version[v2]	0.1995008	1.690363	0.12	0.9061
app_id[eWeLink]*version[v1]	-0.612878	1.892643	-0.32	0.7462
app_id[BookInfo]*version[v3]	-1.286573	1.634886	-0.79	0.4318
app_id[BookInfo]*version[v2]	0.3127351	2.052111	0.15	0.8789
app_id[BookInfo]*version[v1]	0.9738376	2.06351	0.47	0.6372
app_id[WordPress]*summarized[1]	3.5082972	1.156931	3.03	0.0026*
app_id[WordPress]*summarized[0]	-3.508297	1.156931	-3.03	0.0026*
app_id[Stack4Things]*summarized[1]	-0.433214	1.045577	-0.41	0.6788
app_id[Stack4Things]*summarized[0]	0.4332135	1.045577	0.41	0.6788
app_id[Open Energy Monitor]*summarized[1]	-0.591202	0.883338	-0.67	0.5037
app_id[Open Energy Monitor]*summarized[0]	0.5912022	0.883338	0.67	0.5037

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

Term	Scaled Estimate			Std Error	t Ratio	Prob> t
app_id[JetRacer]*summarized[1]	-0.699329			1.010509	-0.69	0.4893
app_id[JetRacer]*summarized[0]	0.6993286			1.010509	0.69	0.4893
app_id[eWeLink]*summarized[1]	-1.314321			1.172243	-1.12	0.2629
app_id[eWeLink]*summarized[0]	1.3143206			1.172243	1.12	0.2629
app_id[BookInfo]*summarized[1]	-0.470232			1.27886	-0.37	0.7133
app_id[BookInfo]*summarized[0]	0.4702323			1.27886	0.37	0.7133
version[v3]*rag[1]	0.0274869			0.718446	0.04	0.9695
version[v3]*rag[0]	-0.027487			0.718446	-0.04	0.9695
version[v2]*rag[1]	-0.56585			0.848004	-0.67	0.5050
version[v2]*rag[0]	0.5658503			0.848004	0.67	0.5050
version[v1]*rag[1]	0.5383633			0.907938	0.59	0.5535
version[v1]*rag[0]	-0.538363			0.907938	-0.59	0.5535
version[v3]*summarized[1]	-0.087946			0.609812	-0.14	0.8854
version[v3]*summarized[0]	0.0879455			0.609812	0.14	0.8854
version[v2]*summarized[1]	-0.167772			0.687922	-0.24	0.8074
version[v2]*summarized[0]	0.1677725			0.687922	0.24	0.8074
version[v1]*summarized[1]	0.255718			0.732899	0.35	0.7273
version[v1]*summarized[0]	-0.255718			0.732899	-0.35	0.7273
rag[1]*summarized[1]	0.1275866			0.536099	0.24	0.8120
rag[1]*summarized[0]	-0.127587			0.536099	-0.24	0.8120
rag[0]*summarized[1]	-0.127587			0.536099	-0.24	0.8120
rag[0]*summarized[0]	0.1275866			0.536099	0.24	0.8120

Prediction Profiler

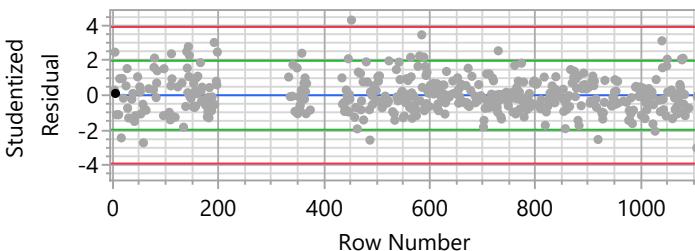
Fit Group**Response validity_edit_distance****Actual by Predicted Plot****Effect Summary**

Source	Logworth	PValue
app_id	38.712	0.00000
summarized	20.116	0.00000
rag	3.222	0.00060
app_id*summarized	1.536	0.02914
version	0.724	0.18876
version*summarized	0.432	0.36997
app_id*version	0.360	0.43619
rag*summarized	0.284	0.52044
version*rag	0.217	0.60641

Lack Of Fit

Source	DF	Sum of		
		Squares	Mean Square	F Ratio
Lack Of Fit	28	13568.394	484.585	5.1900
Pure Error	385	35946.786	93.368	Prob > F
Total Error	413	49515.180		<.0001*

Max RSq
0.6738

Studentized Residuals

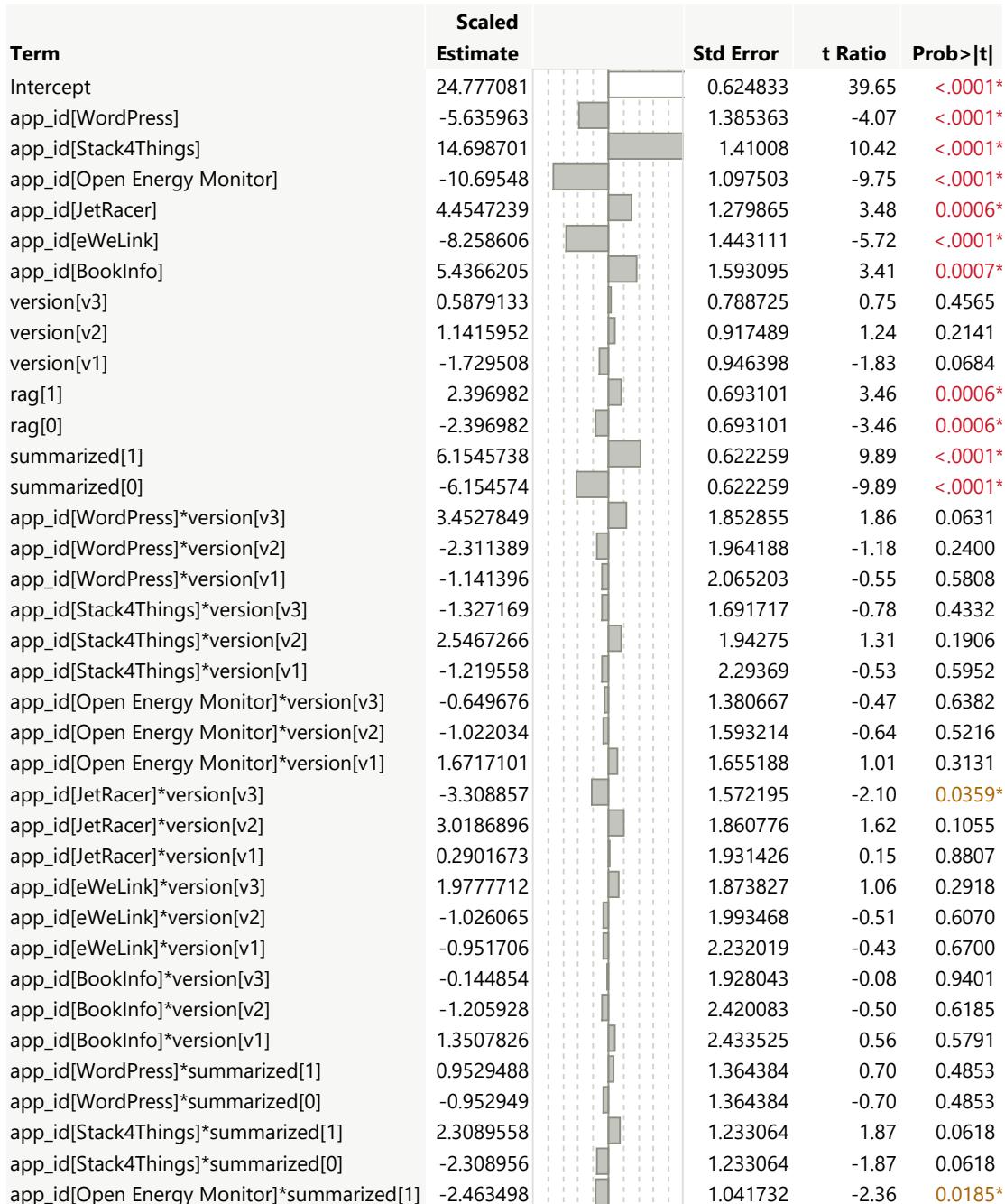
Externally studentized residuals with 95% simultaneous limits (Bonferroni) in red, individual limits in green.

Fit Group**Response validity_edit_distance****Effect Tests**

Source	Nparm	DF	Sum of		
			Squares	F Ratio	Prob > F
app_id	5	5	29068.408	48.4912	<.0001*
version	2	2	401.408	1.6740	0.1888
rag	1	1	1433.918	11.9601	0.0006*
summarized	1	1	11728.481	97.8258	<.0001*
app_id*version	10	10	1207.792	1.0074	0.4362
app_id*summarized	5	5	1509.613	2.5183	0.0291*
version*rag	2	2	120.086	0.5008	0.6064
version*summarized	2	2	238.996	0.9967	0.3700
rag*summarized	1	1	49.603	0.4137	0.5204

Scaled Estimates

Nominal factors expanded to all levels



Fit Group

Response validity_edit_distance

Scaled Estimates

Term	Scaled Estimate	Std Error	t Ratio	Prob> t
app_id[Open Energy Monitor]*summarized[0]	2.463498	1.041732	2.36	0.0185*
app_id[JetRacer]*summarized[1]	-0.844101	1.191707	-0.71	0.4792
app_id[JetRacer]*summarized[0]	0.8441012	1.191707	0.71	0.4792
app_id[eWeLink]*summarized[1]	-2.078811	1.382442	-1.50	0.1334
app_id[eWeLink]*summarized[0]	2.0788108	1.382442	1.50	0.1334
app_id[BookInfo]*summarized[1]	2.1245055	1.508176	1.41	0.1597
app_id[BookInfo]*summarized[0]	-2.124505	1.508176	-1.41	0.1597
version[v3]*rag[1]	0.4788436	0.847274	0.57	0.5723
version[v3]*rag[0]	-0.478844	0.847274	-0.57	0.5723
version[v2]*rag[1]	0.5870229	1.000062	0.59	0.5575
version[v2]*rag[0]	-0.587023	1.000062	-0.59	0.5575
version[v1]*rag[1]	-1.065867	1.070743	-1.00	0.3201
version[v1]*rag[0]	1.0658666	1.070743	1.00	0.3201
version[v3]*summarized[1]	-0.86011	0.71916	-1.20	0.2324
version[v3]*summarized[0]	0.8601099	0.71916	1.20	0.2324
version[v2]*summarized[1]	0.9224091	0.811276	1.14	0.2562
version[v2]*summarized[0]	-0.922409	0.811276	-1.14	0.2562
version[v1]*summarized[1]	-0.062299	0.864317	-0.07	0.9426
version[v1]*summarized[0]	0.0622992	0.864317	0.07	0.9426
rag[1]*summarized[1]	-0.406662	0.632229	-0.64	0.5204
rag[1]*summarized[0]	0.4066616	0.632229	0.64	0.5204
rag[0]*summarized[1]	0.4066616	0.632229	0.64	0.5204
rag[0]*summarized[0]	-0.406662	0.632229	-0.64	0.5204

Prediction Profiler

validity_edit_distance

t_distance

31.89839
[25.25203, 38.54476]

Wordpress
Stack4Things
Open Energy Monitor
JetRacer
eWeLink
BookInfo
v3
v2
v1
1
0
1
0

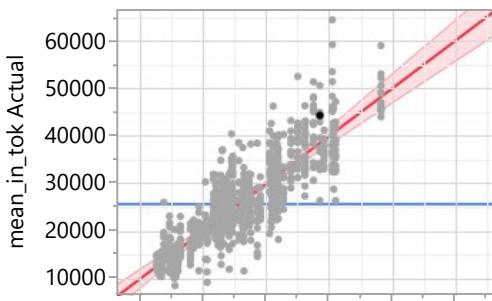
app_id

v3

version

rag

summarized

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

mean_in_tok Predicted RMSE=4802.9

RSq=0.76 PValue=<.0001

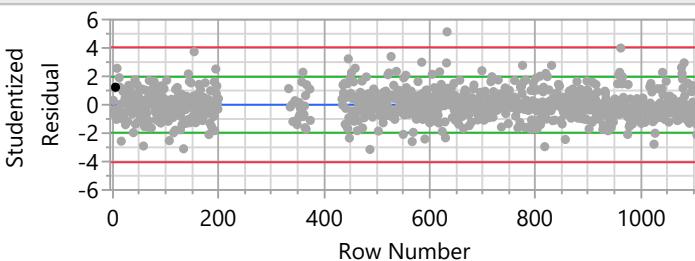
Effect Summary

Source	Logworth	PValue
app_id	103.689	0.00000
rag	101.066	0.00000
summarized	99.768	0.00000
version	25.243	0.00000
app_id*version	10.195	0.00000
app_id*summarized	6.783	0.00000
version*rag	1.471	0.03382
version*summarized	1.012	0.09727
rag*summarized	0.114	0.76927

Lack Of Fit

Source	DF	Sum of		
		Squares	Mean Square	F Ratio
Lack Of Fit	30	5018839274	167294642	9.3372
Pure Error	840	1.505e+10	17917080	Prob > F
Total Error	870	2.0069e+10		<.0001*

Max RSq
0.8179

Studentized Residuals

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

Fit Group**Response mean_in Tok****Effect Tests**

Source	Nparm	DF	Sum of		
			Squares	F Ratio	Prob > F
app_id	5	5	1.5287e+10	132.5362	<.0001*
version	2	2	2869050690	62.1867	<.0001*
rag	1	1	1.3949e+10	604.6691	<.0001*
summarized	1	1	1.3716e+10	594.5882	<.0001*
app_id*version	10	10	1653215395	7.1667	<.0001*
app_id*summarized	5	5	937469136	8.1279	<.0001*
version*rag	2	2	156857954	3.3999	0.0338*
version*summarized	2	2	107797033	2.3365	0.0973
rag*summarized	1	1	1986108.44	0.0861	0.7693

Scaled Estimates

Nominal factors expanded to all levels

Term	Scaled Estimate	Std Error	t Ratio	Prob> t
Intercept	26071.022	178.9942	145.65	<.0001*
app_id[WordPress]	-3570.838	462.1611	-7.73	<.0001*
app_id[Stack4Things]	8309.7142	342.7478	24.24	<.0001*
app_id[Open Energy Monitor]	-3129.862	342.7478	-9.13	<.0001*
app_id[JetRacer]	-295.3685	342.7478	-0.86	0.3891
app_id[eWeLink]	-2404.056	462.1611	-5.20	<.0001*
app_id[BookInfo]	1090.4103	342.7478	3.18	0.0015*
version[v3]	2808.4582	253.1361	11.09	<.0001*
version[v2]	-1156.014	253.1361	-4.57	<.0001*
version[v1]	-1652.444	253.1361	-6.53	<.0001*
rag[1]	4401.4717	178.9942	24.59	<.0001*
rag[0]	-4401.472	178.9942	-24.59	<.0001*
summarized[1]	4364.6271	178.9942	24.38	<.0001*
summarized[0]	-4364.627	178.9942	-24.38	<.0001*
app_id[WordPress]*version[v3]	884.5635	653.5945	1.35	0.1763
app_id[WordPress]*version[v2]	-137.0198	653.5945	-0.21	0.8340
app_id[WordPress]*version[v1]	-747.5437	653.5945	-1.14	0.2530
app_id[Stack4Things]*version[v3]	2516.5887	484.7186	5.19	<.0001*
app_id[Stack4Things]*version[v2]	-1437.478	484.7186	-2.97	0.0031*
app_id[Stack4Things]*version[v1]	-1079.111	484.7186	-2.23	0.0263*
app_id[Open Energy Monitor]*version[v3]	-1161.953	484.7186	-2.40	0.0167*
app_id[Open Energy Monitor]*version[v2]	558.68588	484.7186	1.15	0.2494
app_id[Open Energy Monitor]*version[v1]	603.26706	484.7186	1.24	0.2136
app_id[JetRacer]*version[v3]	-3083.429	484.7186	-6.36	<.0001*
app_id[JetRacer]*version[v2]	1848.1989	484.7186	3.81	0.0001*
app_id[JetRacer]*version[v1]	1235.2304	484.7186	2.55	0.0110*
app_id[eWeLink]*version[v3]	217.62045	653.5945	0.33	0.7392
app_id[eWeLink]*version[v2]	-723.4878	653.5945	-1.11	0.2686
app_id[eWeLink]*version[v1]	505.86733	653.5945	0.77	0.4392
app_id[BookInfo]*version[v3]	626.60957	484.7186	1.29	0.1964
app_id[BookInfo]*version[v2]	-108.8991	484.7186	-0.22	0.8223
app_id[BookInfo]*version[v1]	-517.7105	484.7186	-1.07	0.2858
app_id[WordPress]*summarized[1]	-1272.957	462.1611	-2.75	0.0060*
app_id[WordPress]*summarized[0]	1272.9575	462.1611	2.75	0.0060*
app_id[Stack4Things]*summarized[1]	-397.5494	342.7478	-1.16	0.2464
app_id[Stack4Things]*summarized[0]	397.54937	342.7478	1.16	0.2464
app_id[Open Energy Monitor]*summarized[1]	-767.6134	342.7478	-2.24	0.0254*

Fit Group

Response mean_in_tok

Scaled Estimates

Term	Scaled Estimate	Std Error	t Ratio	Prob> t
app_id[Open Energy Monitor]*summarized[0]	767.61339	342.7478	2.24	0.0254*
app_id[JetRacer]*summarized[1]	1714.9472	342.7478	5.00	<.0001*
app_id[JetRacer]*summarized[0]	-1714.947	342.7478	-5.00	<.0001*
app_id[eWeLink]*summarized[1]	-261.5973	462.1611	-0.57	0.5715
app_id[eWeLink]*summarized[0]	261.59725	462.1611	0.57	0.5715
app_id[BookInfo]*summarized[1]	984.77029	342.7478	2.87	0.0042*
app_id[BookInfo]*summarized[0]	-984.7703	342.7478	-2.87	0.0042*
version[v3]*rag[1]	506.65303	253.1361	2.00	0.0456*
version[v3]*rag[0]	-506.653	253.1361	-2.00	0.0456*
version[v2]*rag[1]	113.0946	253.1361	0.45	0.6551
version[v2]*rag[0]	-113.0946	253.1361	-0.45	0.6551
version[v1]*rag[1]	-619.7476	253.1361	-2.45	0.0146*
version[v1]*rag[0]	619.74763	253.1361	2.45	0.0146*
version[v3]*summarized[1]	-310.3287	226.4118	-1.37	0.1708
version[v3]*summarized[0]	310.3287	226.4118	1.37	0.1708
version[v2]*summarized[1]	482.9353	226.4118	2.13	0.0332*
version[v2]*summarized[0]	-482.9353	226.4118	-2.13	0.0332*
version[v1]*summarized[1]	-172.6066	226.4118	-0.76	0.4461
version[v1]*summarized[0]	172.60661	226.4118	0.76	0.4461
rag[1]*summarized[1]	-52.52127	178.9942	-0.29	0.7693
rag[1]*summarized[0]	52.521271	178.9942	0.29	0.7693
rag[0]*summarized[1]	52.521271	178.9942	0.29	0.7693
rag[0]*summarized[0]	-52.52127	178.9942	-0.29	0.7693

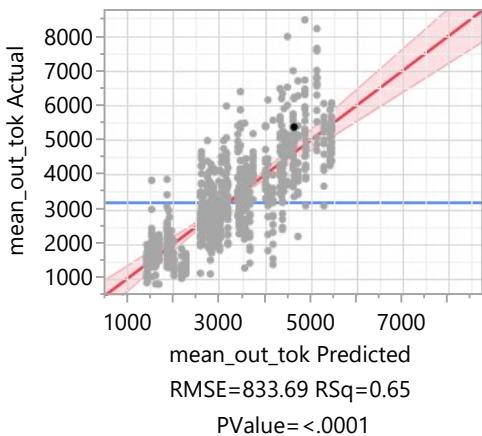
Prediction Profiler

The plot shows the relationship between the response variable `mean_in_t` and four factors: `app_id`, `version`, `rag`, and `summarized`. The y-axis ranges from 10,000 to 50,000. The x-axis categories are `WordPress`, `Stack4Things`, `Open Energy Monitor`, `JetRacer`, `eWeLink`, and `BookInfo`. The plot includes a solid black line for the fitted model and horizontal dashed red lines at `mean_in_t = 33830.15` and `mean_in_t = 36304.34`. Vertical dashed red lines are positioned at `v3 = 31355.96` and `v3 = 36304.34`.

Factor	Value
mean_in_t	33830.15
ok	[31355.96, 36304.34]

Legend:

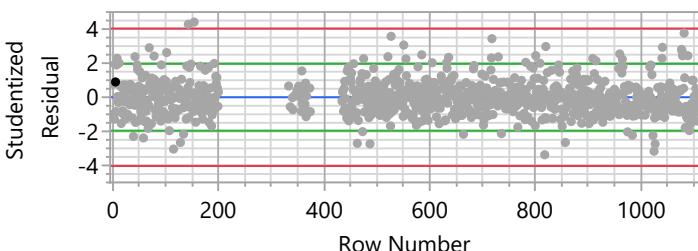
- `WordPress`: `v3`
- `Stack4Things`: `version`
- `Open Energy Monitor`: `1`
- `JetRacer`: `rag`
- `eWeLink`: `1`
- `BookInfo`: `summarized`

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

Source	Logworth	PValue
app_id	91.315	0.00000
summarized	57.601	0.00000
rag	52.297	0.00000
app_id*summarized	7.330	0.00000
rag*summarized	2.051	0.00889
app_id*version	1.559	0.02763
version*summarized	1.338	0.04591
version	0.614	0.24297 ^
version*rag	0.259	0.55086

Lack Of Fit

Source	DF	Sum of		
		Squares	Mean Square	F Ratio
Lack Of Fit	30	213522880	7117429	15.2842
Pure Error	840	391165723	465673	Prob > F
Total Error	870	604688603		<.0001*
Max RSq				
0.7704				

Studentized Residuals

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

Fit Group**Response mean_out_tok****Effect Tests**

Source	Nparm	DF	Sum of		
			Squares	F Ratio	Prob > F
app_id	5	5	392735204	113.0101	<.0001*
version	2	2	1969927	1.4171	0.2430
rag	1	1	187569561	269.8670	<.0001*
summarized	1	1	210046099	302.2053	<.0001*
app_id*version	10	10	14121744	2.0318	0.0276*
app_id*summarized	5	5	30215001	8.6944	<.0001*
version*rag	2	2	829449	0.5967	0.5509
version*summarized	2	2	4298049	3.0919	0.0459*
rag*summarized	1	1	4779100	6.8760	0.0089*

Scaled Estimates

Nominal factors expanded to all levels

Term	Scaled Estimate	Std Error	t Ratio	Prob> t
Intercept	3223.6764	31.06991	103.76	<.0001*
app_id[WordPress]	-540.1538	80.22217	-6.73	<.0001*
app_id[Stack4Things]	1287.6137	59.49435	21.64	<.0001*
app_id[Open Energy Monitor]	-503.8796	59.49435	-8.47	<.0001*
app_id[JetRacer]	352.92916	59.49435	5.93	<.0001*
app_id[eWeLink]	-457.302	80.22217	-5.70	<.0001*
app_id[BookInfo]	-139.2076	59.49435	-2.34	0.0195*
version[v3]	8.7789232	43.93949	0.20	0.8417
version[v2]	-67.9993	43.93949	-1.55	0.1221
version[v1]	59.220379	43.93949	1.35	0.1781
rag[1]	510.40502	31.06991	16.43	<.0001*
rag[0]	-510.405	31.06991	-16.43	<.0001*
summarized[1]	540.121	31.06991	17.38	<.0001*
summarized[0]	-540.121	31.06991	-17.38	<.0001*
app_id[WordPress]*version[v3]	192.28306	113.4513	1.69	0.0905
app_id[WordPress]*version[v2]	-31.65189	113.4513	-0.28	0.7803
app_id[WordPress]*version[v1]	-160.6312	113.4513	-1.42	0.1572
app_id[Stack4Things]*version[v3]	157.14986	84.13772	1.87	0.0621
app_id[Stack4Things]*version[v2]	-170.3942	84.13772	-2.03	0.0432*
app_id[Stack4Things]*version[v1]	13.244384	84.13772	0.16	0.8750
app_id[Open Energy Monitor]*version[v3]	7.0478443	84.13772	0.08	0.9333
app_id[Open Energy Monitor]*version[v2]	-19.11233	84.13772	-0.23	0.8204
app_id[Open Energy Monitor]*version[v1]	12.064485	84.13772	0.14	0.8860
app_id[JetRacer]*version[v3]	-249.5899	84.13772	-2.97	0.0031*
app_id[JetRacer]*version[v2]	229.93833	84.13772	2.73	0.0064*
app_id[JetRacer]*version[v1]	19.651571	84.13772	0.23	0.8154
app_id[eWeLink]*version[v3]	53.357203	113.4513	0.47	0.6383
app_id[eWeLink]*version[v2]	-90.765	113.4513	-0.80	0.4239
app_id[eWeLink]*version[v1]	37.4078	113.4513	0.33	0.7417
app_id[BookInfo]*version[v3]	-160.2481	84.13772	-1.90	0.0572
app_id[BookInfo]*version[v2]	81.985133	84.13772	0.97	0.3301
app_id[BookInfo]*version[v1]	78.262929	84.13772	0.93	0.3525
app_id[WordPress]*summarized[1]	-113.7226	80.22217	-1.42	0.1567
app_id[WordPress]*summarized[0]	113.72256	80.22217	1.42	0.1567
app_id[Stack4Things]*summarized[1]	-97.6308	59.49435	-1.64	0.1012
app_id[Stack4Things]*summarized[0]	97.630802	59.49435	1.64	0.1012
app_id[Open Energy Monitor]*summarized[1]	-170.1535	59.49435	-2.86	0.0043*

Fit Group

Response mean_out_tok

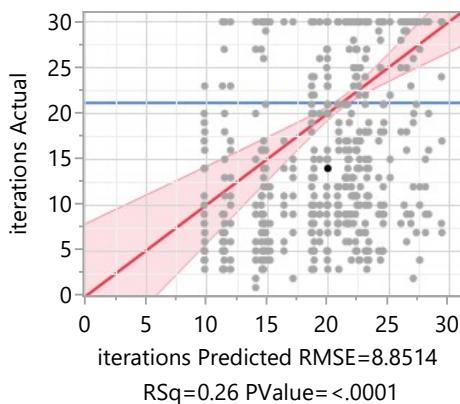
Scaled Estimates

Term	Scaled Estimate	Std Error	t Ratio	Prob> t
app_id[Open Energy Monitor]*summarized[0]	170.15348	59.49435	2.86	0.0043*
app_id[JetRacer]*summarized[1]	282.48354	59.49435	4.75	<.0001*
app_id[JetRacer]*summarized[0]	-282.4835	59.49435	-4.75	<.0001*
app_id[eWeLink]*summarized[1]	-109.2135	80.22217	-1.36	0.1737
app_id[eWeLink]*summarized[0]	109.21346	80.22217	1.36	0.1737
app_id[BookInfo]*summarized[1]	208.23676	59.49435	3.50	0.0005*
app_id[BookInfo]*summarized[0]	-208.2368	59.49435	-3.50	0.0005*
version[v3]*rag[1]	-20.12584	43.93949	-0.46	0.6470
version[v3]*rag[0]	20.125836	43.93949	0.46	0.6470
version[v2]*rag[1]	47.801905	43.93949	1.09	0.2769
version[v2]*rag[0]	-47.80191	43.93949	-1.09	0.2769
version[v1]*rag[1]	-27.67607	43.93949	-0.63	0.5289
version[v1]*rag[0]	27.676069	43.93949	0.63	0.5289
version[v3]*summarized[1]	-78.35563	39.30067	-1.99	0.0465*
version[v3]*summarized[0]	78.355629	39.30067	1.99	0.0465*
version[v2]*summarized[1]	89.761526	39.30067	2.28	0.0226*
version[v2]*summarized[0]	-89.76153	39.30067	-2.28	0.0226*
version[v1]*summarized[1]	-11.4059	39.30067	-0.29	0.7717
version[v1]*summarized[0]	11.405897	39.30067	0.29	0.7717
rag[1]*summarized[1]	-81.4717	31.06991	-2.62	0.0089*
rag[1]*summarized[0]	81.471703	31.06991	2.62	0.0089*
rag[0]*summarized[1]	81.471703	31.06991	2.62	0.0089*
rag[0]*summarized[0]	-81.4717	31.06991	-2.62	0.0089*

Prediction Profiler

The plot shows the relationship between the response variable `mean_out_tok` and four categorical predictors. The y-axis ranges from 1000 to 7000. The x-axis categories are `app_id` (WordPress, Stack4Things, JetRacer, eWeLink, BookInfo) and `version` (v3, v2, v1, 1, 0). The `rag` and `summarized` parameters are set to 1. The plot includes a solid blue line for the predicted mean and horizontal error bars for each category. Three specific points are highlighted with red dashed lines and boxes:

- `WordPress`: `mean_out_tok = 3641.435`
- `Stack4Things`: `mean_out_tok = [3211.964, 4070.906]`

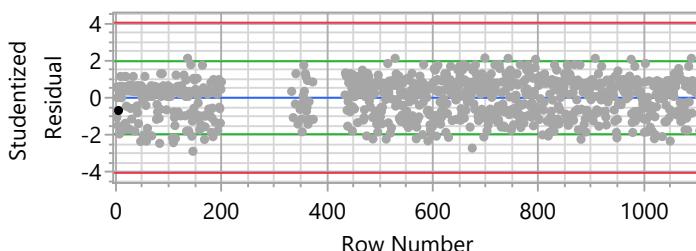
Fit Group**Response iterations****Actual by Predicted Plot****Effect Summary**

Source	Logworth	PValue
version	21.666	0.00000
app_id	21.479	0.00000
app_id*version	1.612	0.02446
rag	0.851	0.14094
version*rag	0.672	0.21283
app_id*summarized	0.583	0.26135
summarized	0.212	0.61351 ^
rag*summarized	0.196	0.63736
version*summarized	0.153	0.70267

Lack Of Fit

Source	DF	Sum of		
		Squares	Mean Square	F Ratio
Lack Of Fit	30	4060.246	135.342	1.7735
Pure Error	840	64102.133	76.312	Prob > F
Total Error	870	68162.379		0.0068*

Max RSq
0.3057

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	20.499074	0.329873	62.14	<.0001*
app_id[WordPress]	-4.374074	0.851728	-5.14	<.0001*
app_id[Stack4Things]	3.6675926	0.631658	5.81	<.0001*
app_id[Open Energy Monitor]	-1.987963	0.631658	-3.15	0.0017*
app_id[JetRacer]	-0.537963	0.631658	-0.85	0.3946

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

Term	Estimate	Std Error	t Ratio	Prob> t
app_id[eWeLink]	-1.962963	0.851728	-2.30	0.0214*
version[v3]	-4.768519	0.466511	-10.22	<.0001*
version[v2]	1.9342593	0.466511	4.15	<.0001*
rag[1]	-0.486111	0.329873	-1.47	0.1409
summarized[1]	-0.166667	0.329873	-0.51	0.6135
app_id[WordPress]*version[v3]	2.7685185	1.204525	2.30	0.0218*
app_id[WordPress]*version[v2]	-1.275926	1.204525	-1.06	0.2898
app_id[Stack4Things]*version[v3]	0.1018519	0.8933	0.11	0.9093
app_id[Stack4Things]*version[v2]	-0.517593	0.8933	-0.58	0.5625
app_id[Open Energy Monitor]*version[v3]	-2.992593	0.8933	-3.35	0.0008*
app_id[Open Energy Monitor]*version[v2]	1.8046296	0.8933	2.02	0.0437*
app_id[JetRacer]*version[v3]	-1.992593	0.8933	-2.23	0.0260*
app_id[JetRacer]*version[v2]	1.337963	0.8933	1.50	0.1346
app_id[eWeLink]*version[v3]	0.8574074	1.204525	0.71	0.4768
app_id[eWeLink]*version[v2]	-1.053704	1.204525	-0.87	0.3819
app_id[WordPress]*summarized[1]	0.4	0.851728	0.47	0.6387
app_id[Stack4Things]*summarized[1]	0.9666667	0.631658	1.53	0.1263
app_id[Open Energy Monitor]*summarized[1]	-0.433333	0.631658	-0.69	0.4929
app_id[JetRacer]*summarized[1]	-1.238889	0.631658	-1.96	0.0502
app_id[eWeLink]*summarized[1]	0.5444444	0.851728	0.64	0.5228
version[v3]*rag[1]	0.3111111	0.466511	0.67	0.5050
version[v2]*rag[1]	0.5027778	0.466511	1.08	0.2814
version[v3]*summarized[1]	-0.3111111	0.41726	-0.75	0.4561
version[v2]*summarized[1]	0.2955556	0.41726	0.71	0.4789
rag[1]*summarized[1]	0.1555556	0.329873	0.47	0.6374

Effect Tests

Source	Nparm	DF	Sum of		
			Squares	F Ratio	Prob > F
app_id	5	5	9208.3731	23.5065	<.0001*
version	2	2	8283.1568	52.8616	<.0001*
rag	1	1	170.1389	2.1716	0.1409
summarized	1	1	20.0000	0.2553	0.6135
app_id*version	10	10	1621.6796	2.0699	0.0245*
app_id*summarized	5	5	509.5528	1.3007	0.2614
version*rag	2	2	242.8778	1.5500	0.2128
version*summarized	2	2	55.3156	0.3530	0.7027
rag*summarized	1	1	17.4222	0.2224	0.6374

Scaled Estimates

Nominal factors expanded to all levels

Term	Scaled Estimate			
		Std Error	t Ratio	Prob> t
app_id[BookInfo]	5.1953704	0.631658	8.22	<.0001*
app_id[BookInfo]*summarized[0]	0.2388889	0.631658	0.38	0.7054
app_id[BookInfo]*summarized[1]	-0.2388889	0.631658	-0.38	0.7054
app_id[BookInfo]*version[v1]	-0.962037	0.8933	-1.08	0.2818
app_id[BookInfo]*version[v2]	-0.29537	0.8933	-0.33	0.7410
app_id[BookInfo]*version[v3]	1.2574074	0.8933	1.41	0.1596
app_id[eWeLink]	-1.962963	0.851728	-2.30	0.0214*
app_id[eWeLink]*summarized[0]	-0.544444	0.851728	-0.64	0.5228
app_id[eWeLink]*summarized[1]	0.5444444	0.851728	0.64	0.5228
app_id[eWeLink]*version[v1]	0.1962963	1.204525	0.16	0.8706

Fit Group					
Response iterations					
Scaled Estimates					
Term	Scaled Estimate		Std Error	t Ratio	Prob> t
app_id[eWeLink]*version[v2]	-1.053704		1.204525	-0.87	0.3819
app_id[eWeLink]*version[v3]	0.8574074		1.204525	0.71	0.4768
app_id[JetRacer]	-0.537963		0.631658	-0.85	0.3946
app_id[JetRacer]*summarized[0]	1.2388889		0.631658	1.96	0.0502
app_id[JetRacer]*summarized[1]	-1.238889		0.631658	-1.96	0.0502
app_id[JetRacer]*version[v1]	0.6546296		0.8933	0.73	0.4639
app_id[JetRacer]*version[v2]	1.337963		0.8933	1.50	0.1346
app_id[JetRacer]*version[v3]	-1.992593		0.8933	-2.23	0.0260*
app_id[Open Energy Monitor]	-1.987963		0.631658	-3.15	0.0017*
app_id[Open Energy Monitor]*summarized[0]	0.4333333		0.631658	0.69	0.4929
app_id[Open Energy Monitor]*summarized[1]	-0.433333		0.631658	-0.69	0.4929
app_id[Open Energy Monitor]*version[v1]	1.187963		0.8933	1.33	0.1839
app_id[Open Energy Monitor]*version[v2]	1.8046296		0.8933	2.02	0.0437*
app_id[Open Energy Monitor]*version[v3]	-2.992593		0.8933	-3.35	0.0008*
app_id[Stack4Things]	3.6675926		0.631658	5.81	<.0001*
app_id[Stack4Things]*summarized[0]	-0.966667		0.631658	-1.53	0.1263
app_id[Stack4Things]*summarized[1]	0.9666667		0.631658	1.53	0.1263
app_id[Stack4Things]*version[v1]	0.4157407		0.8933	0.47	0.6418
app_id[Stack4Things]*version[v2]	-0.517593		0.8933	-0.58	0.5625
app_id[Stack4Things]*version[v3]	0.1018519		0.8933	0.11	0.9093
app_id[WordPress]	-4.374074		0.851728	-5.14	<.0001*
app_id[WordPress]*summarized[0]	-0.4		0.851728	-0.47	0.6387
app_id[WordPress]*summarized[1]	0.4		0.851728	0.47	0.6387
app_id[WordPress]*version[v1]	-1.492593		1.204525	-1.24	0.2156
app_id[WordPress]*version[v2]	-1.275926		1.204525	-1.06	0.2898
app_id[WordPress]*version[v3]	2.7685185		1.204525	2.30	0.0218*
Intercept	20.499074		0.329873	62.14	<.0001*
rag[0]	0.4861111		0.329873	1.47	0.1409
rag[0]*summarized[0]	0.1555556		0.329873	0.47	0.6374
rag[0]*summarized[1]	-0.155556		0.329873	-0.47	0.6374
rag[1]	-0.486111		0.329873	-1.47	0.1409
rag[1]*summarized[0]	-0.155556		0.329873	-0.47	0.6374
rag[1]*summarized[1]	0.1555556		0.329873	0.47	0.6374
summarized[0]	0.1666667		0.329873	0.51	0.6135
summarized[1]	-0.166667		0.329873	-0.51	0.6135
version[v1]	2.8342593		0.466511	6.08	<.0001*
version[v1]*rag[0]	0.8138889		0.466511	1.74	0.0814
version[v1]*rag[1]	-0.813889		0.466511	-1.74	0.0814
version[v1]*summarized[0]	-0.015556		0.41726	-0.04	0.9703
version[v1]*summarized[1]	0.0155556		0.41726	0.04	0.9703
version[v2]	1.9342593		0.466511	4.15	<.0001*
version[v2]*rag[0]	-0.5027778		0.466511	-1.08	0.2814
version[v2]*rag[1]	0.5027778		0.466511	1.08	0.2814
version[v2]*summarized[0]	-0.295556		0.41726	-0.71	0.4789
version[v2]*summarized[1]	0.2955556		0.41726	0.71	0.4789
version[v3]	-4.768519		0.466511	-10.22	<.0001*
version[v3]*rag[0]	-0.311111		0.466511	-0.67	0.5050
version[v3]*rag[1]	0.3111111		0.466511	0.67	0.5050
version[v3]*summarized[0]	0.3111111		0.41726	0.75	0.4561
version[v3]*summarized[1]	-0.311111		0.41726	-0.75	0.4561

