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## Nominal Logistic Fit for converged

### Effect Summary

Source	Logworth	PValue
app_id	20.585	0.00000
version	18.204	0.00000
rag	2.582	0.00262
summarized	0.986	0.10337

Converged in Gradient, 4 iterations

### Whole Model Test

Model	-LogLikelihood	DF	ChiSquare	Prob>ChiSq
Difference	91.13873	9	182.2775	<.0001*
Full	453.42048			
Reduced	544.55920			

RSquare (U)	0.1674
AICc	927.125
BIC	973.511
Observations (or Sum Wgts)	786

### Lack Of Fit

Source	DF	-LogLikelihood	ChiSquare
Lack Of Fit	50	39.96506	79.93011
Saturated	59	413.45542	Prob>ChiSq
Fitted	9	453.42048	0.0046*

### Parameter Estimates

Term	Estimate	Std Error	ChiSquare	Prob>ChiSq
Intercept	0.14788993	0.0968589	2.33	0.1268
app_id[WordPress]	0.97558851	0.2094037	21.71	<.0001*
app_id[Stack4Things]	-0.3525625	0.2741546	1.65	0.1984
app_id[Open Energy Monitor]	0.4778704	0.162593	8.64	0.0033*
app_id[JetRacer]	-0.2352639	0.1595129	2.18	0.1402
app_id[eWeLink]	0.70052108	0.2145569	10.66	0.0011*
version[v3]	1.00592458	0.118354	72.24	<.0001*
version[v2]	-0.3251532	0.1146488	8.04	0.0046*
rag[1]	0.2834443	0.0948261	8.93	0.0028*
summarized[1]	0.13140043	0.0807783	2.65	0.1038

For log odds of 1/0

### Effect Likelihood Ratio Tests

Source	Nparm	DF	ChiSquare	L-R	Prob>ChiSq
app_id	5	5	106.200169		<.0001*
version	2	2	83.8348005		<.0001*
rag	1	1	9.05668734		0.0026*
summarized	1	1	2.6526909		0.1034

### Odds Ratios

For converged odds of 1 versus 0

## Nominal Logistic Fit for converged

### Odds Ratios

#### Odds Ratios for app\_id

Level1	/Level2	Odds Ratio	Prob>Chisq	95% Confidence Interval (Wald)	
				Lower	Upper
WordPress	BookInfo	12.70178	<.0001*	6.817761	23.66396
Stack4Things	BookInfo	3.365549	0.0010*	1.635927	6.923852
Open Energy Monitor	BookInfo	7.721618	<.0001*	4.631327	12.87393
JetRacer	BookInfo	3.784409	<.0001*	2.288327	6.258611
eWeLink	BookInfo	9.647267	<.0001*	5.129564	18.14379
BookInfo	eWeLink	0.103656	<.0001*	0.055115	0.194948
WordPress	eWeLink	1.316619	0.3808	0.71172	2.435629
Stack4Things	eWeLink	0.34886	0.0084*	0.159352	0.763742
Open Energy Monitor	eWeLink	0.800394	0.4426	0.453365	1.413058
JetRacer	eWeLink	0.392278	0.0012*	0.222604	0.691282
eWeLink	JetRacer	2.549214	0.0012*	1.446588	4.492288
BookInfo	JetRacer	0.264242	<.0001*	0.15978	0.437
WordPress	JetRacer	3.356344	<.0001*	1.927269	5.845082
Stack4Things	JetRacer	0.88932	0.7400	0.444788	1.778128
Open Energy Monitor	JetRacer	2.040376	0.0017*	1.306135	3.187369
JetRacer	Open Energy Monitor	0.490106	0.0017*	0.313738	0.765617
eWeLink	Open Energy Monitor	1.249384	0.4426	0.707685	2.205728
BookInfo	Open Energy Monitor	0.129507	<.0001*	0.077676	0.215921
WordPress	Open Energy Monitor	1.644963	0.0797	0.942732	2.870278
Stack4Things	Open Energy Monitor	0.435861	0.0201*	0.216371	0.878003
Open Energy Monitor	Stack4Things	2.294312	0.0201*	1.138949	4.621688
JetRacer	Stack4Things	1.124455	0.7400	0.562389	2.248264
eWeLink	Stack4Things	2.866477	0.0084*	1.309343	6.275426
BookInfo	Stack4Things	0.297128	0.0010*	0.144428	0.611274
WordPress	Stack4Things	3.774059	0.0008*	1.737302	8.198643
Stack4Things	WordPress	0.264967	0.0008*	0.121971	0.575605
Open Energy Monitor	WordPress	0.607916	0.0797	0.348398	1.060746
JetRacer	WordPress	0.297943	<.0001*	0.171084	0.518869
eWeLink	WordPress	0.759521	0.3808	0.410572	1.405046
BookInfo	WordPress	0.078729	<.0001*	0.042258	0.146676

#### Odds Ratios for version

Level1	/Level2	Odds Ratio	Prob>Chisq	95% Confidence Interval (Wald)	
				Lower	Upper
v3	v1	5.401604	<.0001*	3.609226	8.084096
v2	v1	1.427063	0.0744	0.965555	2.109157
v1	v2	0.70074	0.0744	0.474123	1.035673
v3	v2	3.785121	<.0001*	2.550417	5.617567
v2	v3	0.264192	<.0001*	0.178013	0.392093
v1	v3	0.18513	<.0001*	0.1237	0.277068

#### Odds Ratios for rag

Level1	/Level2	Odds Ratio	Prob>Chisq	95% Confidence Interval (Wald)	
				Lower	Upper
1	0	1.762774	0.0028*	1.215526	2.556401
0	1	0.567288	0.0028*	0.391175	0.822689

## Nominal Logistic Fit for converged

### Odds Ratios

#### Odds Ratios for summarized

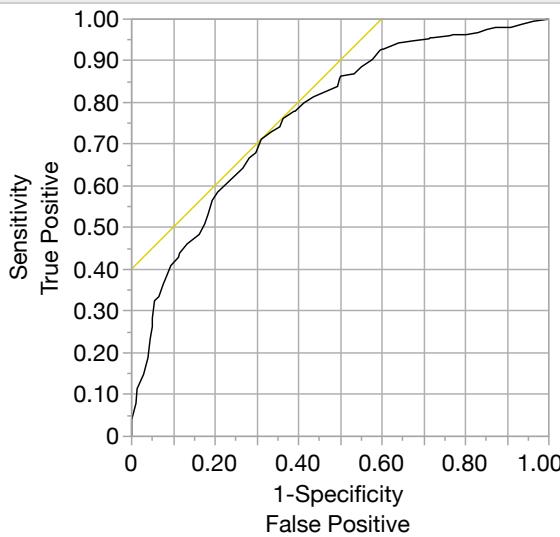
Level1	/Level2	Odds Ratio	Prob>Chisq	95% Confidence Interval (Wald)	
				Lower	Upper
1	0	1.300568	0.1038	0.94758	1.785049
0	1	0.768895	0.1038	0.560209	1.05532

Normal approximations used for ratio confidence limits

effects: app\_id version rag summarized

Tests and confidence intervals on odds ratios are Wald based.

### Receiver Operating Characteristic



Using converged='1' to be the positive level

#### AUC

0.76805

### Prediction Profiler

