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Nominal Logistic Fit for converged

Effect Summary

Source	Logworth		PValue
version	23.861		0.00000
app_id	19.548		0.00000
rag	1.439		0.03643
summarized	1.360		0.04362

Converged in Gradient, 4 iterations

Whole Model Test

Model	-LogLikelihood	DF	ChiSquare	Prob>ChiSq
Difference	101.33421	9	202.6684	<.0001*
Full	522.44269			
Reduced	623.77691			

RSquare (U)	0.1625
AICc	1065.13
BIC	1112.91
Observations (or Sum Wgts)	900

Lack Of Fit

Source	DF	-LogLikelihood	ChiSquare
Lack Of Fit	50	45.34494	90.68988
Saturated	59	477.09775	Prob>ChiSq
Fitted	9	522.44269	0.0004*

Parameter Estimates

Term	Estimate	Std Error	ChiSquare	Prob>ChiSq	Lower 95%	Upper 95%
Intercept	0.1670086	0.0838771	3.96	0.0465*	0.00330316	0.33236892
app_id[WordPress]	0.87576692	0.2180866	16.13	<.0001*	0.45464172	1.31182222
app_id[Stack4Things]	-0.6721184	0.1600786	17.63	<.0001*	-0.9895393	-0.3612865
app_id[Open Energy Monitor]	0.53740077	0.1587731	11.46	0.0007*	0.22837248	0.85151051
app_id[JetRacer]	-0.041016	0.155392	0.07	0.7918	-0.3461524	0.26364676
app_id[eWeLink]	0.65559639	0.213552	9.42	0.0021*	0.24112457	1.08023367
version[v3]	1.08727119	0.1123249	93.70	<.0001*	0.87044736	1.31120264
version[v2]	-0.3602027	0.1044367	11.90	0.0006*	-0.5660583	-0.1563846
rag[1]	0.17538579	0.0840498	4.35	0.0369*	0.01106145	0.34078498
summarized[1]	0.15098998	0.0749864	4.05	0.0441*	0.00431534	0.29844848

Confidence limits are likelihood-based.

For log odds of 1/0

Effect Likelihood Ratio Tests

Source	Nparm	DF	L-R ChiSquare	Prob>ChiSq
app_id	5	5	101.284797	<.0001*
version	2	2	109.886008	<.0001*
rag	1	1	4.37703003	0.0364*
summarized	1	1	4.07114788	0.0436*

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	9.312863	<.0001*	4.997417	17.35485
Stack4Things	BookInfo	1.980821	0.0056*	1.221575	3.21196
Open Energy Monitor	BookInfo	6.639458	<.0001*	4.05994	10.8579
JetRacer	BookInfo	3.723312	<.0001*	2.301129	6.024458
eWeLink	BookInfo	7.472473	<.0001*	4.049251	13.78968
BookInfo	eWeLink	0.133825	<.0001*	0.072518	0.246959
WordPress	eWeLink	1.246289	0.5074	0.649995	2.389615
Stack4Things	eWeLink	0.265082	<.0001*	0.147329	0.476949
Open Energy Monitor	eWeLink	0.888522	0.6898	0.49729	1.587549
JetRacer	eWeLink	0.49827	0.0181*	0.279612	0.887921
eWeLink	JetRacer	2.006943	0.0181*	1.126226	3.576385
BookInfo	JetRacer	0.268578	<.0001*	0.16599	0.434569
WordPress	JetRacer	2.501231	0.0022*	1.390452	4.49937
Stack4Things	JetRacer	0.532005	0.0063*	0.338146	0.837004
Open Energy Monitor	JetRacer	1.783213	0.0122*	1.134213	2.803574
JetRacer	Open Energy Monitor	0.560785	0.0122*	0.356688	0.881669
eWeLink	Open Energy Monitor	1.125464	0.6898	0.629902	2.010901
BookInfo	Open Energy Monitor	0.150615	<.0001*	0.092099	0.246309
WordPress	Open Energy Monitor	1.402654	0.2605	0.777982	2.5289
Stack4Things	Open Energy Monitor	0.298341	<.0001*	0.187897	0.473702
Open Energy Monitor	Stack4Things	3.351873	<.0001*	2.11103	5.322071
JetRacer	Stack4Things	1.879682	0.0063*	1.194737	2.957306
eWeLink	Stack4Things	3.772413	<.0001*	2.096659	6.787513
BookInfo	Stack4Things	0.504841	0.0056*	0.311336	0.818615
WordPress	Stack4Things	4.701518	<.0001*	2.587796	8.541736
Stack4Things	WordPress	0.212697	<.0001*	0.117072	0.386429
Open Energy Monitor	WordPress	0.712934	0.2605	0.395429	1.285377
JetRacer	WordPress	0.399803	0.0022*	0.222253	0.719191
eWeLink	WordPress	0.802382	0.5074	0.418477	1.538474
BookInfo	WordPress	0.107378	<.0001*	0.057621	0.200103

Odds Ratios for version

Level1	/Level2	^ Odds Ratio	Prob>Chisq	95% Confidence Interval (Wald) Lower	Upper
v3	v1	6.137023	<.0001*	4.20424	8.958348
v2	v1	1.443204	0.0406*	1.015755	2.050532
v1	v2	0.692903	0.0406*	0.487678	0.984489
v3	v2	4.252359	<.0001*	2.937986	6.154746
v2	v3	0.235164	<.0001*	0.162476	0.340369
v1	v3	0.162945	<.0001*	0.111628	0.237855

Odds Ratios for rag

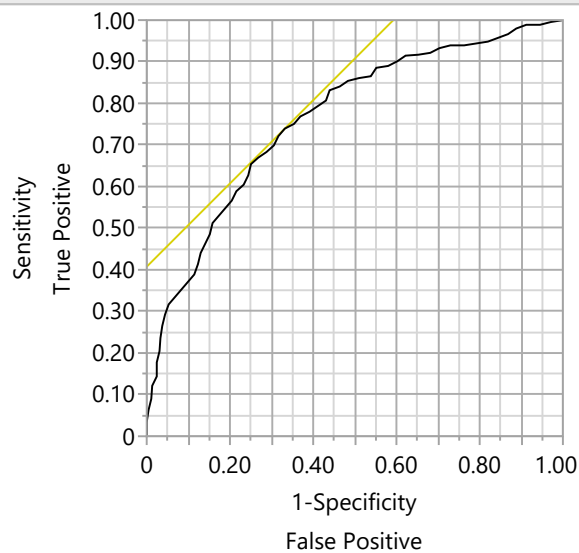| Level1	/Level2	^ Odds Ratio	Prob>Chisq	95% Confidence Interval (Wald) Lower	Upper
1	0	1.420163	0.0369*	1.021531	1.974353
0	1	0.704145	0.0369*	0.506495	0.978923

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	1.352534	0.0441*	1.008071	1.814702
0	1	0.739353	0.0441*	0.551055	0.991993

Normal approximations used for ratio confidence limits effects: app_id version rag summarized
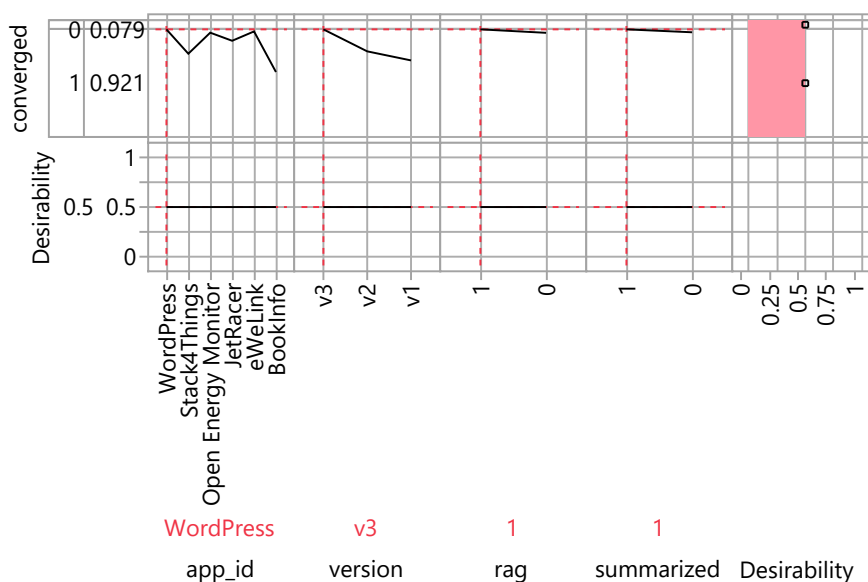
Tests and confidence intervals on odds ratios are Wald based.

Receiver Operating Characteristic

Using converged='1' to be the positive level

AUC
0.76363

Prediction Profiler

Nominal Logistic Fit for converged

Precision-Recall Curve on Training Data

converged	Area
1	0.7578
0	0.7442

Recall

Sensitivity