



Research Article

Usability of E-Extension Technology and Growth of Agricultural Productivity in Southeast Nigeria: ADP Extension Worker’s Survey

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Supplementary Table 1: Model fitting information.

Model	Model fitting criteria			Likelihood ratio tests		
	AIC	BIC	-2 Log likelihood	Chi-square	df	Sig.
Intercept only	263.477	275.519	255.477			
Final	242.587	375.055	154.587	100.889	40	.000

Supplementary Table 2: Goodness of fit.

	Chi-square	df	Sig.
Pearson	1254.016	556	.000
Deviance	154.587	556	1.000

Supplementary Table 3: Pseudo R-square.

Pseudo R-square	
Cox and snell	0.490
Nagelkerke	0.599
McFadden	0.395

Supplementary Table 4: Likelihood ratio tests.

Effect	Model fitting criteria			Likelihood ratio tests		
	AIC of reduced model	BIC of reduced model	-2 Log likelihood of reduced model	Chi-square	df	Sig.
Intercept	242.587	375.055	154.587 ^a	.000	0	
Sex	247.027	367.452	167.027	12.440	4	.014
MS	236.641	357.067	156.641	2.054	4	.726
Status	236.319	356.745	156.319	1.732	4	.785
age	245.017	365.443	165.017	10.430	4	.034
edu_yrs	258.988	379.414	178.988	24.401	4	.000
exp	249.452	369.877	169.452	14.865	4	.005
hhs	255.463	375.888	175.463	20.876	4	.000
Training	237.357	357.782	157.357	2.769	4	.597
support	261.217	381.642	181.217	26.629	4	.000
motivation	244.624	365.050	164.624	10.037	4	.040

Supplementary Table 5: Parameter estimates.

EAE ^a	B	Std. Error	Wald	df	Sig.	Exp(B)	95% confidence interval for exp(B)		
							Lower bound	Upper bound	
Radio	Intercept	18.475	4.639	15.861	1	.000			
	[Sex=0]	.346	1.024	.114	1	.736	1.413	.190	10.515
	[Sex=1]	0 ^b	.	.	0	.	.	.	.
	[MS=0]	2.872	1.423	4.077	1	.043	17.680	1.088	287.361
	[MS=1]	0 ^b	.	.	0	.	.	.	.
	[Status=0]	-1.223	1.193	1.052	1	.305	.294	.028	3.048
	[Status=1]	0 ^b	.	.	0	.	.	.	.
	Age	.144	.084	2.936	1	.087	1.155	.979	1.362
	Edu_yrs	.314	.164	3.664	1	.056	1.369	.993	1.887
	Exp	-.130	.144	.817	1	.366	.878	.663	1.164
	hhs	-.433	.472	.840	1	.359	.649	.257	1.636
	Training	.059	.220	.071	1	.790	1.060	.689	1.633
	Support	-22.989	.000	.	1	.	1.037E-10	1.037E-10	1.037E-10
Television	Motivation	-1.615	.606	7.102	1	.008	.199	.061	.652
	Intercept	10.011	2.107	22.574	1	.000			
	[Sex=0]	-.815	.556	2.148	1	.143	.443	.149	1.316
	[Sex=1]	0 ^b	.	.	0	.	.	.	.
	[MS=0]	.202	.644	.099	1	.753	1.224	.347	4.323
	[MS=1]	0 ^b	.	.	0	.	.	.	.
	[Status=0]	.668	.523	1.635	1	.201	1.951	.701	5.433
	[Status=1]	0 ^b	.	.	0	.	.	.	.
	age	-.024	.035	.487	1	.485	.976	.911	1.045
	edu_yrs	-.199	.067	8.764	1	.003	.820	.719	.935
	exp	-.112	.069	2.620	1	.106	.894	.781	1.024
	hhs	.234	.152	2.366	1	.124	1.264	.938	1.703
	Training	-.197	.102	3.708	1	.054	.821	.672	1.004
support	-.281	.232	1.471	1	.225	.755	.480	1.189	
motivation	.167	.230	.523	1	.469	1.181	.752	1.855	

Table continued on next page.....

EAE ^a	B	Std. Error	Wald	df	Sig.	Exp(B)	95% confidence interval for exp(B)	
							Lower bound	Upper bound
Cyber-space	Intercept	13.798	2.366	34.001	1	.000		
	[Sex=0]	-2.915	.666	19.145	1	.000	.054	.015 .200
	[Sex=1]	0 ^b	.	.	0	.	.	.
	[MS=0]	-.098	.741	.018	1	.895	.906	.212 3.876
	[MS=1]	0 ^b	.	.	0	.	.	.
	[Status=0]	.390	.602	.420	1	.517	1.477	.454 4.811
	[Status=1]	0 ^b	.	.	0	.	.	.
	age	-.130	.041	10.103	1	.001	.878	.811 .951
	edu_yrs	-.510	.083	37.959	1	.000	.600	.510 .706
	exp	-.404	.082	24.121	1	.000	.668	.568 .784
	hhs	1.207	.202	35.749	1	.000	3.344	2.251 4.967
	Training	-.262	.117	5.019	1	.025	.769	.612 .968
	support	.590	.275	4.616	1	.032	1.805	1.053 3.093
	motivation	.707	.270	6.864	1	.009	2.029	1.195 3.444
VCD/DVD	Intercept	7.517	3.265	5.299	1	.021		
	[Sex=0]	-2.002	.936	4.577	1	.032	.135	.022 .845
	[Sex=1]	0 ^b	.	.	0	.	.	.
	[MS=0]	1.201	1.013	1.405	1	.236	3.322	.456 24.193
	[MS=1]	0 ^b	.	.	0	.	.	.
	[Status=0]	.929	.881	1.112	1	.292	2.531	.451 14.224
	[Status=1]	0 ^b	.	.	0	.	.	.
	age	-.140	.053	7.028	1	.008	.869	.784 .964
	edu_yrs	-.283	.118	5.757	1	.016	.754	.598 .950
	exp	-.187	.113	2.720	1	.099	.829	.664 1.036
	hhs	.708	.352	4.052	1	.044	2.031	1.019 4.048
	Training	.039	.183	.046	1	.830	1.040	.726 1.489
	support	.585	.432	1.835	1	.176	1.795	.770 4.186
	motivation	-.167	.419	.158	1	.691	.846	.372 1.926

a, The reference category is: Print media; b, This parameter is set to zero because it is redundant.

Supplementary Table 6: Classification.

Observed	Predicted					Percent correct
	Print media	Radio	Television	Cyberspace	VCD/DVD	
Print media	0	0	5	1	0	0.0%
Radio	0	3	2	0	0	60.0%
Television	0	0	107	3	0	97.3%
Cyberspace	0	0	7	19	0	73.1%
VCD/DVD	0	0	2	0	1	33.3%
Overall percentage	0.0%	2.0%	82.0%	15.3%	0.7%	86.7%