Logistic Regression

Case Processing Summary

Unweighted Cases[a]		N	Percent
Selected Cases	Included in Analysis	5057	100,0
	Missing Cases	0	,0
	Total	5057	100,0
Unselected Cases		0	,0
Total		5057	100,0

a. If weight is in effect, see classification table for the total number of cases.

Dependent Variable Encoding

Original Value	Internal Value
0	0
1	1

Categorical Variables Codings

			Parameter coding				
		Frequency	(1)	(2)	(3)	(4)	(5)
age	18-19	109	,000	,000	,000	,000	,000
	20-29	796	1,000	,000	,000	,000	,000
	30-39	1101	,000	1,000	,000	,000	,000
	40-49	1050	,000	,000	1,000	,000	,000
	50-59	947	,000	,000	,000	1,000	,000
	60-69	754	,000	,000	,000	,000	1,000
	70-79	254	,000	,000	,000	,000	,000
	80 plus	46	,000	,000	,000	,000	,000
education	Bachelor	425	,000	,000	,000	,000	,000
	Doctorat	100	1,000	,000	,000	,000	,000
	High sch	1580	,000	1,000	,000	,000	,000
	Master	228	,000	,000	1,000	,000	,000
	Middle s	2066	,000	,000	,000	1,000	,000
	Other	547	,000	,000	,000	,000	1,000
	Still in	111	,000	,000	,000	,000	,000
os	Android	2678	,000	,000	,000		
	iOS	1385	1,000	,000	,000		
	macOS	351	,000	1,000	,000		
	Windows	643	,000	,000	1,000		
gender	Female	2550	,000	,000			
	Male	2503	1,000	,000			
	Other	4	,000	1,000			

Categorical Variables Codings

		Parameter coding	
		(6)	(7)
age	18-19	,000	,000
	20-29	,000	,000
	30-39	,000	,000
	40-49	,000	,000
	50-59	,000	,000
	60-69	,000	,000
	70-79	1,000	,000
	80 plus	,000	1,000
education	Bachelor	,000	
	Doctorat	,000	
	High sch	,000	
	Master	,000	
	Middle s	,000	
	Other	,000	
	Still in	1,000	
os	Android		
	iOS		
	macOS		
	Windows		
gender	Female		
	Male		
	Other		

Categorical Variables Codings

			Parameter coding				
		Frequency	(1)	(2)	(3)	(4)	(5)
cs_background	No	4597	,000				
	Yes	460	1,000				
prior_experience	No	2661	,000				
	Yes	2396	1,000				

Categorical Variables Codings

		Parameter coding	
		(6)	(7)
cs_background	No		
	Yes		
prior_experience	No		
	Yes		

Block 0: Beginning Block

Classification Table[a,b]

Observed			Predicted		
			auth_binary		Percentage Correct
			0	1	
Step 0	auth_binary	0	0	2107	,0
		1	0	2950	100,0
	Overall Percentage				58,3

a. Constant is included in the model.

b. The cut value is ,500

Variables in the Equation

		B	S.E.	Wald	df	Sig.	Exp(B)
Step 0	Constant	,337	,029	139,209	1	<,001	1,400

Variables not in the Equation

			Score	df	Sig.
Step 0	Variables	gender	,567	2	,753
		gender(1)	,122	1	,727

Variables not in the Equation

		Score	df	Sig.
	gender(2)	,457	1	,499
	age	3,596	7	,825
	age(1)	,043	1	,835
	age(2)	,133	1	,716
	age(3)	,356	1	,551
	age(4)	,489	1	,484
	age(5)	1,610	1	,204
	age(6)	,580	1	,447
	age(7)	,063	1	,802
	education	3,639	6	,725
	education(1)	,019	1	,892
	education(2)	,574	1	,449
	education(3)	,681	1	,409
	education(4)	,016	1	,898
	education(5)	,313	1	,576
	education(6)	1,991	1	,158
	cs_background(1)	1,118	1	,290
	prior_experience(1)	341,079	1	<,001
	os	7,456	3	,059
	os(1)	5,320	1	,021
	os(2)	2,383	1	,123
	os(3)	1,456	1	,228
	ATI	8,928	1	,003
	PrivacyConcerns	168,067	1	<,001
	SUS	37,103	1	<,001
	Acceptance	55,508	1	<,001
	Overall Statistics	581,370	24	<,001

Block 1: Method = Enter

Omnibus Tests of Model Coefficients

		Chi-square	df	Sig.
Step 1	Step	608,623	24	<,001
	Block	608,623	24	<,001
	Model	608,623	24	<,001

Model Summary

Step	-2 Log likelihood	Cox & Snell R Square	Nagelkerke R Square
1	6260,682[a]	,113	,153

a. Estimation terminated at iteration number 4 because parameter estimates changed by less than ,001.

Hosmer and Lemeshow Test

Step	Chi-square	df	Sig.
1	22,909	8	,003

Contingency Table for Hosmer and Lemeshow Test

		auth_binary = 0		auth_binary = 1		
		Observed	Expected	Observed	Expected	Total
Step 1	1	336	362,140	170	143,860	506
	2	292	304,615	214	201,385	506
	3	307	274,306	199	231,694	506
	4	269	250,235	237	255,765	506
	5	229	224,320	277	281,680	506
	6	186	192,623	320	313,377	506
	7	159	162,128	347	343,872	506
	8	144	137,189	362	368,811	506
	9	114	115,040	392	390,960	506
	10	71	84,404	432	418,596	503

Classification Table[a]

			Predicted		
			auth_binary		Percentage Correct
	Observed		0	1	
Step 1	auth_binary	0	1046	1061	49,6
		1	673	2277	77,2
	Overall Percentage				65,7

a. The cut value is ,500

Variables in the Equation

		B	S.E.	Wald	df	Sig.	Exp(B)
Step 1[a]	gender			,113	2	,945	
	gender(1)	-,018	,061	,088	1	,767	,982
	gender(2)	,175	1,165	,022	1	,881	1,191
	age			4,071	7	,772	
	age(1)	,237	,219	1,169	1	,280	1,267
	age(2)	,188	,215	,767	1	,381	1,207
	age(3)	,255	,216	1,401	1	,237	1,291
	age(4)	,282	,217	1,698	1	,193	1,326
	age(5)	,161	,220	,539	1	,463	1,175
	age(6)	,360	,246	2,135	1	,144	1,433
	age(7)	,193	,375	,264	1	,607	1,213
	education			2,990	6	,810	
	education(1)	-,075	,241	,097	1	,755	,928
	education(2)	,063	,117	,291	1	,590	1,065
	education(3)	-,040	,177	,051	1	,822	,961
	education(4)	,014	,114	,015	1	,901	1,014
	education(5)	-,032	,139	,054	1	,816	,968
	education(6)	,290	,235	1,521	1	,217	1,336
	cs_background(1)	,060	,106	,313	1	,576	1,061
	prior_experience(1)	1,074	,062	303,995	1	<,001	2,926
	os			8,770	3	,033	
	os(1)	,116	,072	2,610	1	,106	1,123
	os(2)	-,214	,121	3,124	1	,077	,807
	os(3)	-,097	,094	1,053	1	,305	,908
	ATI	-,087	,033	6,743	1	,009	,917
	PrivacyConcerns	,354	,029	151,959	1	<,001	1,424
	SUS	,010	,002	35,868	1	<,001	1,010
	Acceptance	,238	,035	46,827	1	<,001	1,268
	Constant	-2,803	,328	72,973	1	<,001	,061

Variables in the Equation

		95% C.I.for EXP(B)	
		Lower	Upper
Step 1[a]	gender		
	gender(1)	,872	1,107
	gender(2)	,121	11,682
	age		
	age(1)	,825	1,947
	age(2)	,792	1,840
	age(3)	,846	1,970
	age(4)	,867	2,028
	age(5)	,764	1,807
	age(6)	,884	2,321
	age(7)	,581	2,531
	education		
	education(1)	,578	1,488
	education(2)	,846	1,341
	education(3)	,679	1,359
	education(4)	,811	1,269
	education(5)	,737	1,271
	education(6)	,843	2,118
	cs_background(1)	,861	1,308
	prior_experience(1)	2,593	3,301
	os		
	os(1)	,976	1,293
	os(2)	,637	1,024
	os(3)	,755	1,092
	ATI	,858	,979
	PrivacyConcerns	1,346	1,506
	SUS	1,007	1,013
	Acceptance	1,185	1,358
	Constant		

a. Variable(s) entered on step 1: gender, age, education, cs_background, prior_experience, os, ATI, PrivacyConcerns, SUS, Acceptance.

Correlation Matrix

		Constant	gender(1)	gender(2)	age(1)	age(2)	age(3)
Step 1	Constant	1,000	-,089	,004	-,581	-,595	-,597
	gender(1)	-,089	1,000	,028	-,022	-,016	-,014
	gender(2)	,004	,028	1,000	-,006	-,009	-,001
	age(1)	-,581	-,022	-,006	1,000	,893	,890
	age(2)	-,595	-,016	-,009	,893	1,000	,906
	age(3)	-,597	-,014	-,001	,890	,906	1,000
	age(4)	-,592	-,014	-,007	,886	,902	,900
	age(5)	-,578	-,012	-,001	,875	,891	,888
	age(6)	-,524	-,006	-,001	,780	,794	,792
	age(7)	-,339	-,002	,000	,513	,522	,520
	education(1)	-,137	-,021	,011	,015	,025	,018
	education(2)	-,258	-,005	,018	-,021	-,016	-,018
	education(3)	-,178	,002	,015	-,012	-,004	-,011
	education(4)	-,264	,005	,024	-,014	-,011	-,015
	education(5)	-,211	-,010	,007	-,029	-,021	-,027
	education(6)	-,121	-,023	-,034	-,025	-,012	-,018
	cs_background(1)	-,027	,006	,009	-,009	-,009	-,013
	prior_experience(1)	-,112	,016	-,015	,022	,017	,017
	os(1)	-,064	,015	,007	-,021	-,011	-,023
	os(2)	-,002	,021	,011	-,031	-,029	-,026
	os(3)	-,040	-,004	,013	-,019	-,020	-,014
	ATI	-,392	,020	-,002	,009	,011	,011
	PrivacyConcerns	-,470	,001	-,009	-,004	,000	,007
	SUS	-,369	-,003	-,021	,010	,008	,013
	Acceptance	-,113	-,022	,001	,001	-,010	-,003

Correlation Matrix

		age(4)	age(5)	age(6)	age(7)	education(1)
Step 1	Constant	-,592	-,578	-,524	-,339	-,137
	gender(1)	-,014	-,012	-,006	-,002	-,021
	gender(2)	-,007	-,001	-,001	,000	,011
	age(1)	,886	,875	,780	,513	,015
	age(2)	,902	,891	,794	,522	,025
	age(3)	,900	,888	,792	,520	,018
	age(4)	1,000	,884	,789	,518	,015
	age(5)	,884	1,000	,779	,512	,013
	age(6)	,789	,779	1,000	,456	,013
	age(7)	,518	,512	,456	1,000	,017
	education(1)	,015	,013	,013	,017	1,000
	education(2)	-,018	-,026	-,017	-,015	,382
	education(3)	-,006	-,008	-,005	-,020	,254
	education(4)	-,013	-,017	-,013	-,011	,392
	education(5)	-,026	-,032	-,026	-,029	,323
	education(6)	-,017	-,022	-,016	-,015	,191
	cs_background(1)	,001	-,016	-,015	,012	,003
	prior_experience(1)	,025	,030	,029	,024	-,033
	os(1)	-,019	-,018	-,017	-,014	,023
	os(2)	-,032	-,032	-,019	-,033	,009
	os(3)	-,021	-,015	-,019	-,002	-,007
	ATI	,011	,006	,008	,016	,011
	PrivacyConcerns	-,002	-,009	,004	-,003	-,005
	SUS	,012	,011	,015	-,007	-,029
	Acceptance	,002	-,001	-,008	-,004	,007

Correlation Matrix

		education(2)	education(3)	education(4)	education(5)	education(6)
Step 1	Constant	-,258	-,178	-,264	-,211	-,121
	gender(1)	-,005	,002	,005	-,010	-,023
	gender(2)	,018	,015	,024	,007	-,034
	age(1)	-,021	-,012	-,014	-,029	-,025
	age(2)	-,016	-,004	-,011	-,021	-,012
	age(3)	-,018	-,011	-,015	-,027	-,018
	age(4)	-,018	-,006	-,013	-,026	-,017
	age(5)	-,026	-,008	-,017	-,032	-,022
	age(6)	-,017	-,005	-,013	-,026	-,016
	age(7)	-,015	-,020	-,011	-,029	-,015
	education(1)	,382	,254	,392	,323	,191
	education(2)	1,000	,521	,806	,664	,392
	education(3)	,521	1,000	,535	,440	,260
	education(4)	,806	,535	1,000	,681	,402
	education(5)	,664	,440	,681	1,000	,332
	education(6)	,392	,260	,402	,332	1,000
	cs_background(1)	,021	,015	,019	,027	-,001
	prior_experience(1)	-,007	,000	-,004	-,009	-,005
	os(1)	-,014	,004	,000	,004	,012
	os(2)	-,007	-,019	-,006	-,006	-,001
	os(3)	,000	-,002	-,001	-,008	,002
	ATI	-,002	,005	-,004	,004	-,009
	PrivacyConcerns	-,018	,000	-,016	-,011	,000
	SUS	-,007	-,018	-,021	-,015	-,010
	Acceptance	,023	,016	,004	,008	,013

Correlation Matrix

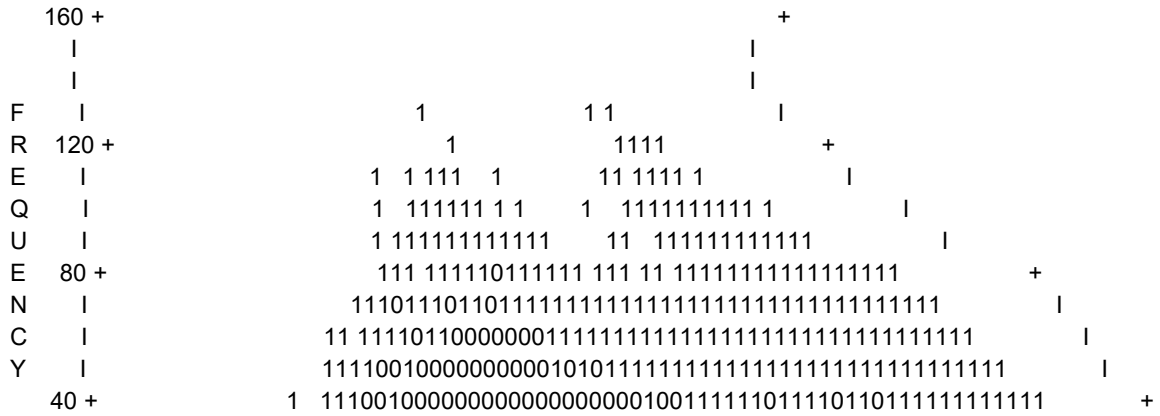
		cs_background (1)	prior_experience (1)	os(1)	os(2)	os(3)
Step 1	Constant	-,027	-,112	-,064	-,002	-,040
	gender(1)	,006	,016	,015	,021	-,004
	gender(2)	,009	-,015	,007	,011	,013
	age(1)	-,009	,022	-,021	-,031	-,019
	age(2)	-,009	,017	-,011	-,029	-,020
	age(3)	-,013	,017	-,023	-,026	-,014
	age(4)	,001	,025	-,019	-,032	-,021
	age(5)	-,016	,030	-,018	-,032	-,015
	age(6)	-,015	,029	-,017	-,019	-,019
	age(7)	,012	,024	-,014	-,033	-,002
	education(1)	,003	-,033	,023	,009	-,007
	education(2)	,021	-,007	-,014	-,007	,000
	education(3)	,015	,000	,004	-,019	-,002
	education(4)	,019	-,004	,000	-,006	-,001
	education(5)	,027	-,009	,004	-,006	-,008
	education(6)	-,001	-,005	,012	-,001	,002
	cs_background(1)	1,000	-,024	,016	,021	,015
	prior_experience(1)	-,024	1,000	-,002	-,025	-,005
	os(1)	,016	-,002	1,000	,200	,256
	os(2)	,021	-,025	,200	1,000	,153
	os(3)	,015	-,005	,256	,153	1,000
	ATI	-,014	-,006	-,008	-,014	,007
	PrivacyConcerns	,008	,045	,014	-,025	-,013
	SUS	-,006	,006	-,002	-,015	,000
	Acceptance	,006	,001	-,009	,005	-,001

Correlation Matrix

		ATI	PrivacyConcerns	SUS	Acceptance
Step 1	Constant	-,392	-,470	-,369	-,113
	gender(1)	,020	,001	-,003	-,022
	gender(2)	-,002	-,009	-,021	,001
	age(1)	,009	-,004	,010	,001
	age(2)	,011	,000	,008	-,010
	age(3)	,011	,007	,013	-,003
	age(4)	,011	-,002	,012	,002
	age(5)	,006	-,009	,011	-,001
	age(6)	,008	,004	,015	-,008
	age(7)	,016	-,003	-,007	-,004
	education(1)	,011	-,005	-,029	,007
	education(2)	-,002	-,018	-,007	,023
	education(3)	,005	,000	-,018	,016
	education(4)	-,004	-,016	-,021	,004
	education(5)	,004	-,011	-,015	,008
	education(6)	-,009	,000	-,010	,013
	cs_background(1)	-,014	,008	-,006	,006
	prior_experience(1)	-,006	,045	,006	,001
	os(1)	-,008	,014	-,002	-,009
	os(2)	-,014	-,025	-,015	,005
	os(3)	,007	-,013	,000	-,001
	ATI	1,000	,018	-,016	-,008
	PrivacyConcerns	,018	1,000	,040	,020
	SUS	-,016	,040	1,000	,037
	Acceptance	-,008	,020	,037	1,000

Step number: 1

Observed Groups and Predicted Probabilities



```
      I                  11 101 10110010000000000000000000000010001100000000100111111111          I
      I               11100000000010000000000000000000000000000000000000000000000000000001111111
  I
      I            10100000000000000000000000000000000000000000000000000000000000000000001010111
     I
Predicted ---------+---------+---------+---------+---------+---------+---------+---------+---------+----------
 Prob:  0      ,1       ,2       ,3       ,4       ,5       ,6       ,7       ,8       ,9       1
 Group:  00000000000000000000000000000000000000000000000000011111111111111111111111111111
1111111111111111111111
```

Predicted Probability is of Membership for 1
The Cut Value is ,50
Symbols: 0 - 0
1 - 1
Each Symbol Represents 10 Cases.

Casewise List[b]

Case	Selected Status[a]	Observed auth_binary	Predicted	Predicted Group	Temporary Variable Resid	ZResid	SResid
198	S	0**	,870	1	-,870	-2,587	-2,024
1057	S	0**	,799	1	-,799	-1,996	-2,028
2574	S	0**	,869	1	-,869	-2,580	-2,025
4636	S	0**	,875	1	-,875	-2,648	-2,045
4672	S	0**	,866	1	-,866	-2,544	-2,008

a. S = Selected, U = Unselected cases, and ** = Misclassified cases.

b. Cases with studentized residuals greater than 2,000 are listed.