

Supplementary Materials

Until You Have Something to Lose! Loss Aversion and Two-Factor Authentication Adoption Pratama & Firmansyah (2021)

Table 5. Multinomial logistic regression estimates of 2FA adoption without gender and age as control variables

Variable	Skipping 2FA		Adopting 2FA	
	RR	SE	RR	SE
Education & Income				
- No college degree, middle income	0.976	0.159	1.625**	0.231
- No college degree, high income	1.805	0.834	4.778***	1.868
- Some college degree, low income	1.731*	0.373	1.740**	0.393
- Some college degree, middle income	1.048	0.178	1.937***	0.334
- Some college degree, high income	1.051	0.259	4.361***	1.033
Constant	0.453	0.049	3.585***	0.995
Model χ^2	58.48***			
McFadden's Pseudo R ²	.015			
Count R ²	.465			
df	10			
Observation	1,852			

Note: Numbers reported are the risk ratio (RR) with the standard errors (SE)

*p < .05. **p < .01 ***p < .001; Reference category: no awareness of 2FA

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Table 6. Two-step simple logistic regression estimates of 2FA adoption

Variable	Step 1: Aware of 2FA		Step 2: Adopting 2FA	
	OR	SE	OR	SE
Gender				
- Female	0.409***	0.042	0.537***	0.072
Age				
	0.952***	0.009	0.983	0.156
Education & Income				
- No college degree, middle income	1.378*	0.175	1.685**	0.297
- No college degree, high income	3.449**	1.276	2.334*	0.964
- Some college degree, low income	1.894**	0.356	0.837	0.203
- Some college degree, middle income	1.646**	0.246	1.422	0.285
- Some college degree, high income	2.964***	0.635	2.891***	0.848
Constant	4.953***	1.185	2.426***	0.890
Model χ^2	124.49***		53.36***	
McFadden's Pseudo R ²	.049		.039	
Count R ²	.602		.615	
df	7		7	
Observation	1,852		1,039	

Note: Step 1 includes all participants in this study. Step 2 excludes those who were not aware of 2FA. Numbers reported are the odds ratio (OR) with the standard errors (SE)

*p < .05. **p < .01 ***p < .001

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Table 7. Demographic information of a smaller yet more balanced subset of samples (n=429)

Variable	Frequency	Percentage
Gender		
- Male	216	50.3%
- Female	213	49.7%
Age		
- 13-19 years old	128	29.8%
- 20-29 years old	145	33.8%
- 30-49 years old	136	31.7%
- ≥ 50 years old	20	4.7%
Education		
- No college degree	213	49.7%
- Some college degree	216	50.3%
Income		
- Low income (less than IDR 1 mil)	145	33.8%
- Middle income (less than IDR 5 mil)	183	42.7%
- High income (IDR 5 mil or higher)	101	23.5%
Location (island)		
- Sumatra	54	12.6%
- Java	249	58.0%
- Borneo	15	3.5%
- Sulawesi	82	19.1%
- Bali & Nusa Tenggara	22	5.1%
- Papua & The Moluccas	7	1.6%

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Table 8. Multinomial logistic regression estimates of 2FA adoption with a smaller, more balanced subset

Variable	Skipping 2FA		Adopting 2FA	
	RR	SE	RR	SE
Gender				
- Female	0.344***	0.096	0.278***	0.068
Age				
	0.953*	0.019	0.942***	0.016
Education & Income				
- No college degree, middle income	1.482	0.585	2.473*	0.873
- No college degree, high income	2.159	1.772	4.632*	3.214
- Some college degree, low income	3.572*	2.204	2.439	1.606
- Some college degree, middle income	1.504	0.644	2.413*	0.921
- Some college degree, high income	1.973	1.071	7.818***	3.525
Constant	1.991	1.001	3.174**	1.395
Model χ^2	70.63***			
McFadden's Pseudo R ²	.079			
Count R ²	.557			
df	14			
Observation	429			

Note: Numbers reported are the risk ratio (RR) with the standard errors (SE)

*p < .05. **p < .01 ***p < .001; Reference category: no awareness of 2FA