

1 Exploratory Factor Analysis

1.1 Pilot survey

1.1.1 Q_1

Orthogonal Rotation

ID	Item Description	MR1	MR2	MR3
s_14	I fear strangers getting access to personal information.	0.787		
s_6	I am concerned about my cybersecurity vulnerability.	0.719		
s_2	I am extremely terrified about cyberthreats.	0.669		
s_13	Thinking about cyberattacks makes me fearful.	0.663		
s_24	I get nervous when other people use my technology devices.	0.663		
s_5	I often worry about the rapid development in technology.	0.469		
s_108	I make sure to backup my devices.		0.876	
s_107	I regularly perform backups.		0.722	
s_115	I want to live off the grid.		-0.442	
s_123	To prevent devices from listening to my conversations, I ensure their microphones are disabled.			0.673
s_109	Generally, I use a VPN to disguise my internet movement.			0.641
s_111	I only use a password manager for my most critical passwords			0.508
s_124	I worry about people editing my social media page without my consent.			0.418

Oblique Rotation

ID	Item Description	MR1	MR2	MR3
s_14	I fear strangers getting access to personal information.	0.816		
s_6	I am concerned about my cybersecurity vulnerability.	0.784		
s_24	I get nervous when other people use my technology devices.	0.725		
s_13	Thinking about cyberattacks makes me fearful.	0.686		
s_2	I am extremely terrified about cyberthreats.	0.650		
s_11	I increasingly fear the internet.	0.561		
s_5	I often worry about the rapid development in technology.	0.455		
s_130	I do not mind sharing my contact information in cyberspace.	-0.422		
s_108	I make sure to backup my devices.		0.864	
s_107	I regularly perform backups.		0.717	
s_115	I want to live off the grid.		-0.478	
s_123	To prevent devices from listening to my conversations, I ensure their microphones are disabled.			0.680
s_109	Generally, I use a VPN to disguise my internet movement.			0.645
s_111	I only use a password manager for my most critical passwords			0.592

1.1.2 Q_2

Orthogonal Rotation

ID	Item Description	MR1	MR2	MR3
s_150	I fear strangers reading old chat messages of mine.	0.823		
s_151	I often fear hackers reading old chat messages of mine.	0.806		
s_144	I fear unauthorized access to my social media accounts.	0.747		
s_140	I often fear strangers posting on my social media accounts.	0.734		
s_145	I fear hackers could gain access to my social media accounts for cyberbullying purposes.	0.634		
s_138	I constantly worry about being tracked.	0.620		
s_152	I often fear the police reading old chat messages of mine.	0.613		
s_148	I fear losing access to my accounts containing digital purchases.	0.476		
s_54	I feel apprehensive about using two-factor authentication.	0.463		
s_64	I frequently change my passwords.		0.708	
s_61	I regularly review my account login history for unusual activity.		0.663	
s_47	I consistently scan downloaded files for malicious software.		0.501	
s_57	I pay people to manage my cybersecurity.		0.467	
s_44	I make sure that my credit card information is not saved in online accounts.		0.463	
s_53	I feel apprehensive about using e-mail services.		0.424	
s_166	I have a specific person I go to regarding tech-support.		0.422	
s_147	I own digital goods that are irreplaceable.			0.670
s_142	I own crypto currency.			0.597
s_75	I have completed an education in the field of technology or a field related to technology.			0.504

Oblique Rotation

ID	Item Description	MR1	MR2	MR3
s_150	I fear strangers reading old chat messages of mine.	0.897		
s_144	I fear unauthorized access to my social media accounts.	0.862		
s_151	I often fear hackers reading old chat messages of mine.	0.820		
s_140	I often fear strangers posting on my social media accounts.	0.783		
s_138	I constantly worry about being tracked.	0.644		
s_145	I fear hackers could gain access to my social media accounts for cyberbullying purposes.	0.633		
s_152	I often fear the police reading old chat messages of mine.	0.584		
s_148	I fear losing access to my accounts containing digital purchases.	0.533		
s_65	I fear being impersonated online.	0.446		
s_64	I frequently change my passwords.		0.772	
s_61	I regularly review my account login history for unusual activity.		0.674	
s_57	I pay people to manage my cybersecurity.		0.546	
s_47	I consistently scan downloaded files for malicious software.		0.518	
s_44	I make sure that my credit card information is not saved in online accounts.		0.462	
s_166	I have a specific person I go to regarding tech-support.		0.461	
s_147	I own digital goods that are irreplaceable.			0.696

s_142	I own crypto currency.	0.635
s_75	I have completed an education in the field of technology or a field related to technology.	0.514

1.1.3 Q_3

Orthogonal Rotation

ID	Item Description	MR1	MR2	MR3
s_170	I often consult a cybersecurity expert (e.g. IT help desk, professionals)	0.817		
s_183	I am familiar with how someone I know has dealt with a cyberattack and intend to follow their example.	0.628		
s_94	I consistently avoid screen time one hour before I go to bed.	0.611		
s_79	I have attended a cybersecurity training course.	0.512		
s_180	I follow influencers who discuss cybercrimes or security issues.	0.477		
s_84	I regularly read news related to technology.	0.460		
s_188	I like to get personalized advertisement on websites.	0.445		
s_177	Someone close to me has been a victim of a cyberattack.		0.840	
s_174	Someone close to me has become a victim of a cyber scam before.		0.772	
s_93	I spend too much time using technology devices.		0.445	
s_181	Theft in real life has prompted me to be more mindful of my online security risks.			0.840
s_195	Compared to others, I am more sensitive about the way online companies handle my personal information.			0.582
s_200	I fear artificial intelligence generating photos of me.			0.420

Oblique Rotation

ID	Item Description	MR1	MR2	MR3
s_170	I often consult a cybersecurity expert (e.g. IT help desk, professionals)	0.840		
s_183	I am familiar with how someone I know has dealt with a cyberattack and intend to follow their example.	0.632		
s_94	I consistently avoid screen time one hour before I go to bed.	0.628		
s_79	I have attended a cybersecurity training course.	0.511		
s_84	I regularly read news related to technology.	0.488		
s_180	I follow influencers who discuss cybercrimes or security issues.	0.467		
s_188	I like to get personalized advertisement on websites.	0.449		
s_177	Someone close to me has been a victim of a cyberattack.		0.865	
s_174	Someone close to me has become a victim of a cyber scam before.		0.790	
s_93	I spend too much time using technology devices.		0.459	
s_181	Theft in real life has prompted me to be more mindful of my online security risks.			0.893
s_195	Compared to others, I am more sensitive about the way online companies handle my personal information.			0.566

1.1.4 Q_4

Orthogonal Rotation

ID	Item Description	MR3	MR1	MR2
s_66	I constantly worry about my identity being stolen online.	0.794		
s_1	I constantly worry about cybersecurity.	0.748		
s_139	I constantly fear losing my online data.	0.744		
s_143	I fear becoming a victim of cyberbullying.	0.600		
s_179	I often hear about cybercrimes through popular media (e.g. TV-shows, movies, podcasts, etc.).	0.554		
s_201	I fear being impersonated by artificial intelligence.	0.510		
s_83	I am up to date with the newest cybersecurity practices.	0.472		
s_137	There is a need for more regulations regarding artificial intelligence.	0.434		
s_175	I get nervous when reading news about cybersecurity.		0.743	
s_21	I feel physically unwell after a cyberattack.		0.716	
s_163	I feel helpless when it comes to cybersecurity.		0.623	
s_16	After being affected by a cyberattack, I get depressed.		0.417	
s_120	I believe artificial intelligence will become dangerous in the future.			0.763
s_202	I feel like artificial intelligence makes my education useless.			0.445
s_80	Increasing computer usage is changing children's brains for the worse.			0.414

Oblique Rotation

ID	Item Description	MR3	MR1	MR2
s_66	I constantly worry about my identity being stolen online.	0.791		
s_1	I constantly worry about cybersecurity.	0.730		
s_139	I constantly fear losing my online data.	0.723		
s_143	I fear becoming a victim of cyberbullying.	0.572		
s_83	I am up to date with the newest cybersecurity practices.	0.531		
s_201	I fear being impersonated by artificial intelligence.	0.489		
s_137	There is a need for more regulations regarding artificial intelligence.	0.425		
s_175	I get nervous when reading news about cybersecurity.		0.734	
s_21	I feel physically unwell after a cyberattack.		0.726	
s_163	I feel helpless when it comes to cybersecurity.		0.625	
s_120	I believe artificial intelligence will become dangerous in the future.			0.769
s_202	I feel like artificial intelligence makes my education useless.			0.449

1.2 Second Data Collection Round

ID	Item Description	MR1	MR2	MR3
s_144	I fear unauthorized access to my social media accounts.	0.927		
s_65	I fear being impersonated online.	0.907		
s_14	I fear strangers getting access to personal information.	0.868		
s_124	I worry about people editing my social media page without my consent.	0.808		
s_66	I constantly worry about my identity being stolen online.	0.807		
s_6	I am concerned about my cybersecurity vulnerability.	0.807		
s_143	I fear becoming a victim of cyberbullying.	0.800		
s_148	I fear losing access to my accounts containing digital purchases.	0.791		
s_145	I fear hackers could gain access to my social media accounts for cyberbullying purposes.	0.773		
s_139	I constantly fear losing my online data.	0.759		
s_151	I often fear hackers reading old chat messages of mine.	0.674		
s_140	I often fear strangers posting on my social media accounts.	0.657		
s_1	I constantly worry about cybersecurity.	0.654		
s_150	I fear strangers reading old chat messages of mine.	0.638		
s_2	I am extremely terrified about cyberthreats.	0.632		
s_13	Thinking about cyberattacks makes me fearful.	0.627		
s_138	I constantly worry about being tracked.	0.593		
s_195	Compared to others, I am more sensitive about the way online companies handle my personal information.	0.492		
s_181	Theft in real life has prompted me to be more mindful of my online security risks.	0.490		
s_201	I fear being impersonated by artificial intelligence.	0.482		
s_93	I spend too much time using technology devices.	0.433		
s_107	I regularly perform backups.		0.726	
s_108	I make sure to backup my devices.		0.674	
s_83	I am up to date with the newest cybersecurity practices.		0.673	
s_79	I have attended a cybersecurity training course.		0.649	
s_61	I regularly review my account login history for unusual activity.		0.615	
s_75	I have completed an education in the field of technology or a field related to technology.		0.609	
s_183	I am familiar with how someone I know has dealt with a cyberattack and intend to follow their example.		0.605	
s_84	I regularly read news related to technology.		0.559	
s_174	Someone close to me has become a victim of a cyber scam before.		0.470	
s_177	Someone close to me has been a victim of a cyberattack.		0.465	
s_64	I frequently change my passwords.		0.463	
s_11	I increasingly fear the internet.			0.647
s_120	I believe artificial intelligence will become dangerous in the future.			0.633
s_5	I often worry about the rapid development in technology.			0.609
s_80	Increasing computer usage is changing children's brains for the worse.			0.602
s_202	I feel like artificial intelligence makes my education useless.			0.593
s_53	I feel apprehensive about using e-mail services.			0.495
s_54	I feel apprehensive about using two-factor authentication.			0.409