

1 Generated Items

ID	Item	Wording from	Inspired by
s_1	I constantly worry about cybersecurity.		Being worried[1, 2]
s_2	I am extremely terrified about cyberthreats.		Being terrified[3]
s_3	I often worry about information technology (IT).		Being worried[1, 2]
s_4	I constantly worry about artificial intelligence.	Being afraid of AI[4]	Being worried[1, 2],
s_5	I often worry about the rapid development in technology.		Being worried[1, 2]
s_6	I am concerned about my cybersecurity vulnerability.	Worried that data is stolen[5]	Expectation of the worst [1, 2]
s_7	Worrying about cyberattacks frequently keeps me up at night.		Insomnia[1], Restlessness[2]
s_8	Overthinking keeps me awake at night.	Restlessness[2], Worrying thoughts[6]	Insomnia[1],
s_9	The cybersecurity topic irritates me.		Being irritable[1, 2]
s_10	I get irritated frequently.		Being irritated[1, 2]
s_11	I increasingly fear the internet.		Being fearful[1, 3]
s_12	I am extremely afraid of the internet.		Being fearful[1, 3]
s_13	Thinking about cyberattacks makes me fearful.		Being fearful[1, 3]
s_14	I fear strangers getting access to personal information.	Loss of personal information[7, 8]	Being fearful[1, 2, 3, 6]
s_15	Worrying about cyberattacks makes me unable to relax.		Being worried[1, 2] Being unable to relax[3, 6]
s_16	After being affected by a cyberattack, I get depressed.		Being depressed [1, 6]
s_17	After being affected by a cyberattack, I isolate myself.		Loss of interest [1, 6]
s_18	After being affected by a cyberattack, I lose pleasure in activities I normally enjoy.		Loss of interest [1, 6]

ID	Item	Wording from	Inspired by
s_19	I get a headache when trying to implement the recommended security measures.		Somatic symptoms [1]
s_20	I get uncomfortable when trying to implement the recommended security measures.		Somatic symptoms [1, 3]
s_21	I feel physically unwell after a cyberattack		Somatic Symptoms [1, 3]
s_22	I have more important matters to worry about than being targeted by cyberattacks.	Adapted from: I have much bigger problems than my risk of a security breach. [5, 9]	
s_23	I feel secure against cyberattacks.		The aspect of feeling secure [10]
s_24	I get nervous when other people use my technology devices.	Author Generated	
s_25	My shyness hinders my ability to socialize online.	Participation in group and dyadic conversations [12]	Talking to strangers[11],
s_26	I prefer socializing online.	Participation in group and dyadic conversations [12]	Talking to strangers[11],
s_27	Shyness reduces my social interaction with others.	Participation in group and dyadic conversations [12]	Talking to strangers[11],
s_28	I have no fear of speaking up in conversations.	Directly adopted from [12]	
s_29	I am afraid to answer phone calls in public.		Telephoning in public [11]
s_30	I am afraid to give a speech in front of an audience.		Feelings when talking in front of an audience[11, 12]
s_31	I struggle to reach out to unfamiliar people online.		Talking to strangers [11]
s_32	I have difficulties talking to people I do not know well.		Talking to strangers [11]
s_33	I have difficulties talking to strangers.		Talking to strangers [11]

ID	Item	Wording from	Inspired by
s_34	I have difficulties meeting strangers in person.		Talking to strangers [11]
s_35	I have stopped reading cybersecurity-related news since they stress me out.	Author generated	
s_36	I use the internet to distract myself from ongoing problems in my life.		Excessive use of social networking[13]
s_37	Generally, I am confident in my computer skills.		Feelings about working with a computer[10, 14]
s_38	I expect to be targeted by a cyberattack.		Expecting the worst [1, 10]
s_39	I frequently get targeted by cyberattacks.	Author generated	
s_40	I believe it is inevitable that my data gets stolen.		Lost cause to implement measures to keep data safe[9, 10]
s_41	I limit my online activities on personal matters to protect my privacy.	Adapted from 'I avoid using the internet on personal matters so as not to have my details accessed.' [7]	
s_42	People do not worry enough about cyberthreats from their use of technology.	Directly adopted from [7] *	
s_43	I do not share sensitive information online.		Sharing information online[8]
s_44	I make sure that my credit card information is not saved in online accounts.	Adapted from: 'I make sure that my credit card information is not saved.'[8]	
s_45	I only open e-mails from verified senders.		Origin of E-mails[8]
s_46	I ensure the safety of links in e-mails before I click them.		Risks regarding E-mails[5, 8]
s_47	I consistently scan downloaded files for malicious software.		Handling of downloaded files [5, 8]
s_48	I do not trust corporations to keep my data safe.		Risk of giving data to companies[7, 15]
s_49	I dislike working with information technology (IT) which I do not understand.		Understanding of and attitude towards computers [14] and technical systems [16]

ID	Item	Wording from	Inspired by
s_50	I'm more comfortable with information technology (IT) whose decision-making processes are clear to me.		Understanding of and attitude towards computers [14] and technical systems [16]
s_51	I feel apprehensive about using computers.	Directly adopted from [14]	
s_52	I feel apprehensive about cybersecurity.	Wording from: 'I feel apprehensive about using computers.' [14]	Cybersecurity[5, 8]
s_53	I feel apprehensive about using e-mail services.	Wording from: 'I feel apprehensive about using computers.' [14]	Risks regarding E-mails[5, 8]
s_54	I feel apprehensive about using two-factor authentication.	Wording from: 'I feel apprehensive about using computers.' [14]	Implementation of recommended security measures[5, 8]
s_55	I feel apprehensive about using a VPN service.	Wording from: 'I feel apprehensive about using computers.' [14]	Implementation of recommended security measures[5, 8]
s_56	I am afraid of making irreversible mistakes when using technology devices.	Adapted from: 'I hesitate to use a computer for fear of making mistakes that I cannot correct.'[14]	
s_57	I pay people to manage my cybersecurity.		Money spending on cybersecurity[5]
s_58	I only accept essential cookies when browsing the internet.	Author generated	
s_59	I avoid websites that are marked as unsafe by my browser or my antivirus program.		Websites without security certificates [8]
s_60	I often put myself in situations with increased cybersecurity risks.	Author generated	
s_61	I regularly review my account login history for unusual activity.	Author generated	
s_62	I tape my webcam on most of my devices.	Author generated	
s_63	I believe cyberattacks are common.	Author generated	

ID	Item	Wording from	Inspired by
s_64	I frequently change my passwords.		Password management[5, 8, 9]
s_65	I fear being impersonated online.		Identity theft[5]
s_66	I constantly worry about my identity being stolen online.		Identity theft[5]
s_67	I expect artificial intelligence to significantly impact the job market.		AI impact on the job market[4]
s_68	I expect to lose my job to artificial intelligence in the future.		AI impact on the job market[4]
s_69	I believe people in my social circle want to have access to my personal data.	Author generated	
s_70	I am uncomfortable with people in my social circle having access to my personal data.	Author generated	
s_71	Generally, I am aware of existing cybersecurity threats.		Cybersecurity awareness[5, 10]
s_72	I consistently follow good cybersecurity practices.		Implementation of recommended security measures [5, 8, 10]
s_73	My own lack of knowledge makes me lose interest in good cybersecurity practices.	Author generated	
s_74	I trust experts' recommendations about cybersecurity measures (e.g., using unique passwords or a password manager, installing recommended software updates, etc.).	Directly adopted from [5]	
s_75	I have completed an education in the field of technology or a field related to technology.	Author generated	
s_76	I have increased my usage of technology devices in the last six months.		Spending time on technical systems [16]
s_77	I feel confident in my understanding of how computers operate.		Understanding of computers [10, 14] and technical systems [16]
s_78	I enjoy using technology devices.		Attitude towards computers [14] and technical systems [16]
s_79	I have attended a cybersecurity training course.	Author generated	
s_80	Increasing computer usage is changing children's brains for the worse.	Directly adopted from[7]	

ID	Item	Wording from	Inspired by
s_81	Generally, I am interested in technology.		Attitude towards computers [14] and technical systems [16]
s_82	I like the possibilities enabled through technology.	Author generated	
s_83	I am up to date with the newest cybersecurity practices.		Common cybersecurity practices [5, 8, 10]
s_84	I regularly read news related to technology.		Interest in inquiring information about cybersecurity [5]
s_85	I cannot imagine life without technology devices.	Author generated	
s_86	I have researched how to best protect myself against cyberattacks.		Inquire information about cybersecurity [5, 10]
s_87	Newer technology devices are too complicated for me.		Attitude towards new technologies [16]
s_88	I like to experiment with new features of my technology devices.		Attitude towards new technologies [16]
s_89	I like to automate mundane tasks with the help of technology.	Author generated	
s_90	I use a digital calendar to keep track of my appointments.	Author generated	
s_91	I prefer using pen and paper compared to digital tools.	Author generated	
s_92	I have increased my social media usage in the last six months.		Time spend on social networking sites [13]
s_93	I spend too much time using technology devices.	Author generated	
s_94	I consistently avoid screen time one hour before I go to bed.	Author generated	
s_95	If one of my accounts gets breached, it would be worrisome for me.		Reactions to cyber-attacks [5]
s_96	At least one of my accounts has been breached in the last six months.	Author generated	
s_97	I have more online accounts than the average person.	Author generated	

ID	Item	Wording from	Inspired by
s_98	I generally use the cyber environment to solve the problems I encounter in my daily life.	Adapted from: 'I widely use the cyber environment to solve the problems I encounter in daily life.' [8]	
s_99	My social media accounts are important to me.		Social networking usage[13]
s_100	I like to share my life with others on social media.		Social media[8] and Facebook[17] usage
s_101	I disclose more personal information on social media than is strictly required.		Facebook usage[17]
s_102	The absence of social media would be a major loss for me.		Attitude towards social media[13] and Facebook[17]
s_103	If I were to be prevented from using social media, an essential part of my life would be missing.		Attitude towards social media[13] and Facebook[17]
s_104	If I were to be prevented from using social media, I would feel lonely.		Social networking usage[13]
s_105	If I were to be prevented from using social media, I would lose friends.	Author generated	
s_106	I have an up-to-date antivirus program on my device.	Directly adopted from [8]	
s_107	I regularly perform backups.	Author generated	
s_108	I make sure to back up my devices.	Author generated	
s_109	Generally, I use a VPN to disguise my internet movement.	Author generated	
s_110	I use a password manager for most of my passwords.		Password creation and management[5, 8]
s_111	I only use a password manager for my most critical passwords.		Password creation and management[5, 8]
s_112	While creating my password, I choose a hard-to-guess password consisting of symbols, numbers, and capital letters.	Directly adopted from [8]	
s_113	I use two-factor authentication to secure the majority of my online accounts.		Implementation of recommended security measures[5, 8]
s_114	I am careful about what personal information I disclose online.		Attitude towards sharing data online[8]

ID	Item	Wording from	Inspired by
s_115	I want to live off the grid.	Author generated	
s_116	The rise of technology has brought more problems than good.	Author generated	
s_117	I am a late adopter of new technologies.	Author generated	
s_118	My fear of artificial intelligence prevents me from using it.		Being afraid of AI[4]
s_119	My difficulty grasping artificial intelligence prevents me from using it.	Author generated	
s_120	I believe artificial intelligence will become dangerous in the future.		Being afraid of the future of AI[4]
s_121	I dislike everything digital.	Author generated	
s_122	I am certain that my devices listen to my conversations.	Author generated	
s_123	To prevent devices from listening to my conversations, I ensure their microphones are disabled.	Author generated	
s_124	I worry about people editing my social media page without my consent.	Adapted from: 'I worry about others editing my Facebook page (or similar) without my consent'[7]	
s_125	Companies that store data on customers are very vulnerable to theft of my personal information.	'Private details' changed to 'personal information' [7]	
s_126	I worry that my location can be monitored via my mobile device.		Worrying about movement being tracked[7]
s_127	I respect other people's privacy without exception.	Directly adopted from [18]	
s_128	It is important to ask for consent before sharing other people's personal information.		Private information sharing[18]
s_129	Storing data in cyberspace is not safe.	Directly adopted from [8]	
s_130	I do not mind sharing my contact information in cyberspace.	Directly adopted from [8]	
s_131	Companies store an excessive amount of information on their users.		Online company information collection[15]
s_132	I appreciate companies that give me control over my personal information.		Online company information handling[15]

ID	Item	Wording from	Inspired by
s_133	I am interested in knowing how companies use and protect my personal information.		Online company information handling[15]
s_134	Data privacy laws for companies need to be more strict.	Author generated	
s_135	Authorities should implement stricter data privacy laws.	Author generated	
s_136	There is a need for more cybersecurity regulations.	Author generated	
s_137	There is a need for more regulations regarding artificial intelligence.	Author generated	
s_138	I constantly worry about being tracked.		Worrying about movement being tracked [7]
s_139	I constantly fear losing my online data.		Risk of data loss[8]
s_140	I often fear strangers posting on my social media accounts.		Others editing social media [7]
s_141	I own a significant amount of monetary assets making me nervous about cyberattacks.	Author generated	
s_142	I own cryptocurrency.	Author generated	
s_143	I fear becoming a victim of cyberbullying.	Author generated	
s_144	I fear unauthorized access to my social media accounts.		Others editing social media[7]
s_145	I fear hackers could gain access to my social media accounts for cyberbullying purposes.		Others editing social media[7]
s_146	Losing my social media accounts is worse than losing my e-mail accounts.	Author generated	
s_147	I own digital goods that are irreplaceable.	Author generated	
s_148	I fear losing access to my accounts containing digital purchases.	Author generated	
s_149	During last year, I have suffered financial loss due to a cyberscam.	Author generated	
s_150	I fear strangers reading old chat messages of mine.	Author generated	
s_151	I often fear hackers reading old chat messages of mine.	Author generated	
s_152	I often fear the police reading old chat messages of mine.	Author generated	
s_153	I know what to do if I get affected by a cyberscam.	Handle unforeseen situations [19]	Self efficacy in cybersecurity [5, 10]

ID	Item	Wording from	Inspired by
s_154	I have implemented the necessary security measures for me to feel safe from cyberattacks.		Implementation of recommended security measures[5, 8, 10]
s_155	I know my strengths and weaknesses when it comes to cybersecurity.		Self efficacy in cybersecurity[5, 10]
s_156	I have been taught good cybersecurity practices.		Learning about cybersecurity [5, 10]
s_157	I know how to distinguish a valid e-mail from a suspicious e-mail.		Risks regarding E-mails[5, 8]
s_158	I have never been deceived by a cyber scam.		Experience with cyberattacks[8]
s_159	I have adequate knowledge to help other people with cybersecurity issues.		Self efficacy in cybersecurity[5, 10]
s_160	I have adequate knowledge to help myself in case of a cyberattack.		Self efficacy in cybersecurity [5, 10]
s_161	I believe I can recover from a cyberattack on my own.		Self efficacy in cybersecurity [5, 10]
s_162	I avoid clicking links from websites unfamiliar to me.		Caution in the internet [5, 8]
s_163	I feel helpless when it comes to cybersecurity.	Wording from: 'I feel helpless' [10]	Lack of knowledge and Being hit by a cyberattack is inevitable [5, 8]
s_164	I feel that cybersecurity is not under my control.		Being hit by a cyberattack is inevitable [5, 7, 10]
s_165	I am overwhelmed and unable to act after being the victim of a cyberattack.	Author generated	
s_166	I have a specific person I go to regarding tech support.		Seeking help [10, 20]
s_167	I feel help is available in the case of a cyberattack.		Seeking help [10, 20]
s_168	There are people in my life I can talk to about cybersecurity.		Seeking help [10, 20]
s_169	I often consult a psychologist.	Author generated	
s_170	I often consult a cybersecurity expert (e.g., IT help desk, professionals).	Author generated	
s_171	I would seek guidance from family and friends in case of a cyberattack.		Seeking help [10, 20]
s_172	I would seek help from a psychologist in the case of a cyberattack.	Author generated	

ID	Item	Wording from	Inspired by
s_173	I have become the victim of a cyber scam before.		Experience with cyberattacks[8]
s_174	Someone close to me has become a victim of a cyber scam before.	Author generated	
s_175	I get nervous when reading news about cybersecurity.	Author generated	
s_176	If I fall victim to a cyberattack, I am going to take drastic measures to ensure it will not happen again.	Author generated	
s_177	Someone close to me has been a victim of a cyberattack.	Author generated	
s_178	A cyberattack significantly altered the personality of someone I know.	Author generated	
s_179	I often hear about cybercrimes through popular media (e.g., TV shows, movies, podcasts, etc.).	Author generated	
s_180	I follow influencers who discuss cybercrimes or security issues.	Author generated	
s_181	Theft in real life has prompted me to be more mindful of my online security risks.	Author generated	
s_182	Experiencing theft has made me take cyber-attacks more seriously.	Author generated	
s_183	I am familiar with how someone I know has dealt with a cyberattack and intend to follow their example.	Author generated	
s_184	I frequently fact-check online information.	Author generated	
s_185	I was the reason for a past data breach.	Author generated	
s_186	I regret things I posted online.	Author generated	
s_187	Online businesses should only share personal information with other companies with consent from the individuals who provided it.		Online company information handling[15]
s_188	I like to get personalized advertisements on websites.		Data used for advertisements[15]
s_189	I fear companies selling my personal information.		Selling personal information[15]
s_190	I believe that the benefits of internet usage exceed the disadvantages of giving my personal information to companies.		Internet usage trade-off [15]
s_191	Whether I create an account depends on the personal information a company requests.		Attitude towards giving out personal data to companies[15]

ID	Item	Wording from	Inspired by
s_192	Companies seeking information online should disclose the way the data are collected, processed, and used.	Directly adopted from [15]	
s_193	It usually bothers me when online companies ask me for personal information.	Directly adopted from [15]	
s_194	Online companies should devote more time and effort to preventing unauthorized access to personal information.	Directly adopted from [15]	
s_195	Compared to others, I am more sensitive about the way online companies handle my personal information.	Directly adopted from [15]	
s_196	Compared with other subjects on my mind, personal privacy is very important.	Directly adopted from [15]	
s_197	I believe other people are too much concerned with online privacy issues.	Directly adopted from [15]	
s_198	I dislike others posting me without my consent on their social media.	Author Generated	
s_199	Artificial intelligence is the next industrial revolution.	Author Generated	
s_200	I fear artificial intelligence generating photos of me.	Author Generated	
s_201	I fear being impersonated by artificial intelligence.	Author Generated	
s_202	I feel like artificial intelligence makes my education useless.		AI impact on education[4]
s_203	I am good at identifying media created by artificial intelligence.	Author Generated	
s_204	Artificial intelligence is going to enslave humanity.	Author Generated	

Table 1: All generated items from the initial item generation phase.

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