

# 1 Variance

Tables showing the variance for each item in the different survey rounds. A line shows the 1.1 cutoff.

## 1.1 Pilot survey

Item	Item Description	Variance
s_157	I know how to distinguish a valid e-mail from a suspicious e-mail	0.479
s_132	I appreciate companies that give me control over my personal information.	0.491
s_154	I have implemented the necessary security measures for me to feel safe from cyberattacks.	0.499
s_194	Online companies should devote more time and effort to preventing unauthorized access to personal information.	0.502
s_95	If one of my accounts gets breached, it would be worrisome for me.	0.512
s_192	Companies seeking information online should disclose the way the data are collected, processed, and used.	0.514
s_82	I like the possibilities enabled through technology.	0.514
s_114	I am careful about what personal information I disclose online.	0.524
s_127	I respect other people's privacy without exception.	0.532
s_187	Online businesses should only share personal information to other companies with consent from the individuals who provided it.	0.534
s_46	I ensure the safety of links in e-mails before I click them.	0.534
s_87	Newer technology devices are too complicated for me.	0.556
s_37	Generally, I am confident in my computer skills.	0.565
s_128	It is important to ask for consent before sharing other people's personal information.	0.577
s_156	I have been taught good cybersecurity practices.	0.599
s_78	I enjoy using technology devices.	0.637
s_121	I dislike everything digital.	0.639
s_131	Companies store an excessive amount of information on their users.	0.653
s_199	Artificial intelligence is the next industrial revolution.	0.671
s_59	I avoid websites which are marked as unsafe by my browser or my antivirus program.	0.692
s_155	I know my strengths and weaknesses when it comes to cybersecurity.	0.695
s_81	Generally, I am interested in technology.	0.700
s_50	I'm more comfortable with information technology (IT) whose decision-making processes are clear to me.	0.701
s_203	I am good at identifying media created by artificial intelligence.	0.707
s_149	During last year I have suffered financial loss due to a cyber scam.	0.719
s_184	I frequently fact check online information.	0.727
s_134	Data privacy laws for companies need to be more strict.	0.731
s_67	I expect artificial intelligence to significantly impact the job market.	0.736
s_72	I consistently follow good cybersecurity practices.	0.738
s_88	I like to experiment with new features of my technology devices.	0.757
s_69	I believe people in my social circle want to have access to my personal data.	0.764
s_74	I trust experts' recommendations about cybersecurity measures (e.g. using unique passwords or a password manager, installing recommended software updates, etc.).	0.764
s_191	Whether I create an account depends on the personal information a company requests.	0.766

s_197	I believe other people are too much concerned with online privacy issues.	0.766
s_125	Companies that store data on customers are very vulnerable to theft of my personal information.	0.768
s_133	I am interested in knowing how companies use and protect my personal information.	0.781
s_35	I have stopped reading cybersecurity related news since they stress me out.	0.790
s_9	The cybersecurity topic irritates me.	0.791
s_98	I generally use the cyber environment to solve the problems I encounter in my daily life.	0.792
s_77	I feel confident in my understanding of how computers operate.	0.808
s_196	Compared with other subjects on my mind, personal privacy is very important.	0.810
s_39	I frequently get targeted by cyberattacks.	0.843
s_118	My fear for artificial intelligence prevents me from using it.	0.847
s_129	Storing data in cyberspace is not safe.	0.849
s_193	It usually bothers me when online companies ask me for personal information.	0.852
s_63	I believe cyberattacks are common.	0.854
s_12	I am extremely afraid of the internet.	0.857
s_91	I prefer using pen and paper compared to digital tools.	0.874
s_153	I know what to do if I get affected by a cyber scam.	0.876
s_17	After being affected by a cyberattack, I isolate myself.	0.877
s_172	I would seek help from a psychologist in the case of a cyberattack.	0.880
s_3	I often worry about information technology (IT).	0.892
s_169	I often consult a psychologist.	0.901
s_176	If I fall victim to a cyberattack, I am going to take drastic measures to ensure it will not happen again.	0.904
s_86	I have researched how to best protect myself against cyberattacks.	0.913
s_7	Worrying about cyberattacks frequently keeps me up at night.	0.919
s_162	I avoid clicking links from websites unfamiliar to me.	0.928
s_164	I feel that cybersecurity is not under my control.	0.928
s_160	I have adequate knowledge to help myself in case of a cyberattack.	0.929
s_18	After being affected by a cyberattack, I lose pleasure in activities I normally enjoy.	0.931
s_185	I was the reason for a past data breach.	0.936
s_23	I feel secure against cyberattacks.	0.951
s_165	I am overwhelmed and unable to act after being the victim of a cyberattack.	0.952
s_51	I feel apprehensive about using computers.	0.952
s_119	My difficulty to grasp artificial intelligence prevents me from using it.	0.955
s_136	There is a need for more cybersecurity regulations.	0.958
s_135	Authorities should implement stricter data privacy laws.	0.974
s_60	I often put myself in situations with increased cybersecurity risks.	0.974
s_178	A cyberattack significantly altered the personality of someone I know.	0.982
s_113	I use two-factor authentication to secure the majority of my online accounts.	0.986
s_189	I fear companies selling my personal information.	0.990
s_71	Generally, I am aware of existing cybersecurity threats.	0.997
s_126	I worry that my location can be monitored via my mobile device.	1.003
s_159	I have adequate knowledge to help other people with cybersecurity issues.	1.007
s_20	I get uncomfortable when trying to implement the recommended security measures.	1.007
s_89	I like to automate mundane tasks with the help of technology.	1.009
s_167	I feel help is available in the case of a cyberattack.	1.019

s_112	While creating my password, I choose a hard-to-guess password consisting of symbols, numbers and capital letters.	1.026
s_58	I only accept essential cookies when browsing the internet.	1.026
s_76	I have increased my usage of technology devices in the last six months.	1.026
s_68	I expect to lose my job to artificial intelligence in the future.	1.028
s_101	I disclose more personal information on social media than is strictly required.	1.039
s_43	I do not share sensitive information online.	1.052
s_97	I have more online accounts than the average person.	1.084
s_73	My own lack of knowledge makes me lose interest in good cybersecurity practices.	1.090
s_19	I get a headache when trying to implement the recommended security measures.	1.091
s_204	Artificial intelligence is going to enslave humanity.	1.091
s_190	I believe that the benefits of internet usage exceed the disadvantages of giving my personal information to companies.	1.104
s_171	I would seek guidance from family and friends in case of a cyberattack.	1.108
s_195	Compared to others, I am more sensitive about the way online companies handle my personal information.	1.111
s_163	I feel helpless when it comes to cybersecurity.	1.130
s_42	People do not worry enough about cyberthreats from their use of technology.	1.135
s_161	I believe I can recover from a cyberattack on my own.	1.142
s_84	I regularly read news related to technology.	1.142
s_137	There is a need for more regulations regarding artificial intelligence.	1.151
s_198	I dislike others posting me without my consent on their social media.	1.152
s_48	I do not trust corporations to keep my data safe.	1.153
s_83	I am up to date with the newest cybersecurity practices.	1.157
s_117	I am a late adopter to new technologies.	1.158
s_15	Worrying about cyberattacks makes me unable to relax.	1.160
s_54	I feel apprehensive about using two-factor authentication.	1.163
s_100	I like to share my life with others on social media.	1.167
s_170	I often consult a cybersecurity expert (e.g. IT help desk, professionals)	1.171
s_11	I increasingly fear the internet.	1.185
s_108	I make sure to backup my devices.	1.189
s_173	I have become the victim of a cyber scam before.	1.189
s_93	I spend too much time using technology devices.	1.194
s_52	I feel apprehensive about cybersecurity.	1.196
s_130	I do not mind sharing my contact information in cyberspace.	1.199
s_186	I regret things I posted online.	1.199
s_120	I believe artificial intelligence will become dangerous in the future.	1.201
s_168	There are people in my life I can talk to about cybersecurity.	1.209
s_202	I feel like artificial intelligence makes my education useless.	1.213
s_40	I believe it is inevitable that my data gets stolen.	1.217
s_16	After being affected by a cyberattack, I get depressed.	1.221
s_45	I only open e-mails from verified senders.	1.223
s_152	I often fear the police reading old chat messages of mine.	1.234
s_1	I constantly worry about cybersecurity.	1.240
s_53	I feel apprehensive about using e-mail services.	1.258
s_151	I often fear hackers reading old chat messages of mine.	1.290

s_183	I am familiar with how someone I know has dealt with a cyberattack and intend to follow their example.	1.293
s_66	I constantly worry about my identity being stolen online.	1.296
s_181	Theft in real life has prompted me to be more mindful of my online security risks.	1.305
s_107	I regularly perform backups.	1.306
s_14	I fear strangers getting access to personal information.	1.307
s_179	I often hear about cybercrimes through popular media (e.g. TV-shows, movies, podcasts, etc.).	1.309
s_94	I consistently avoid screen time one hour before I go to bed.	1.311
s_99	My social media accounts are important to me.	1.313
s_146	Losing my social media accounts is worse than losing my e-mail accounts.	1.323
s_182	Experiencing theft has made me take cyberattacks more seriously.	1.323
s_110	I use a password manager for most of my passwords.	1.324
s_188	I like to get personalized advertisement on websites.	1.324
s_111	I only use a password manager for my most critical passwords	1.331
s_10	I get irritated frequently.	1.333
s_4	I constantly worry about artificial intelligence.	1.333
s_139	I constantly fear losing my online data.	1.334
s_2	I am extremely terrified about cyberthreats.	1.338
s_41	I limit my online activities on personal matters to protect my privacy.	1.340
s_6	I am concerned about my cybersecurity vulnerability.	1.340
s_57	I pay people to manage my cybersecurity.	1.353
s_201	I fear being impersonated by artificial intelligence.	1.358
s_175	I get nervous when reading news about cybersecurity.	1.359
s_26	I prefer socializing online.	1.367
s_105	If I were to be prevented in using social media, I would lose friends.	1.378
s_21	I feel physically unwell after a cyberattack.	1.380
s_116	The rise of technology has brought more problems than good.	1.385
s_180	I follow influencers who discuss cybercrimes or security issues.	1.387
s_85	I cannot imagine life without technology devices.	1.387
s_200	I fear artificial intelligence generating photos of me.	1.397
s_38	I expect to be targeted by a cyberattack.	1.399
s_22	I have more important matters to worry about, than being targeted by cyberattacks.	1.403
s_122	I am certain that my devices listen to my conversations.	1.410
s_150	I fear strangers reading old chat messages of mine.	1.424
s_104	If I were to be prevented in using social media, I would feel lonely.	1.439
s_106	I have an up-to-date antivirus program on my device.	1.464
s_115	I want to live off the grid.	1.473
s_80	Increasing computer usage is changing children's brains for the worse.	1.473
s_24	I get nervous when other people use my technology devices.	1.478
s_92	I have increased my social media usage in the last six months.	1.495
s_31	I struggle to reach out to unfamiliar people online.	1.497
s_70	I am uncomfortable with people in my social circle having access to my personal data.	1.499
s_36	I use the internet to distract myself from ongoing problems in my life.	1.510
s_28	I have no fear of speaking up in conversations.	1.511
s_90	I use a digital calendar to keep track of my appointments.	1.511
s_8	Overthinking keeps me awake at night.	1.523

s_34	I have difficulties meeting strangers in person.	1.527
s_49	I dislike working with information technology (IT) which i do not understand.	1.527
s_148	I fear losing access to my accounts containing digital purchases.	1.532
s_29	I am afraid to answer phone calls in public.	1.538
s_103	If I were to be prevented in using social media, an essential part of my life would be missing.	1.540
s_138	I constantly worry about being tracked.	1.546
s_5	I often worry about the rapid development in technology.	1.550
s_56	I am afraid of making irreversible mistakes when using technology devices.	1.554
s_109	Generally, I use a VPN to disguise my internet movement.	1.558
s_141	I own a significant amount of monetary assets making me nervous about cyberattacks.	1.567
s_44	I make sure that my credit card information is not saved in online accounts.	1.576
s_47	I consistently scan downloaded files for malicious software.	1.577
s_64	I frequently change my passwords.	1.610
s_61	I regularly review my account login history for unusual activity.	1.623
s_174	Someone close to me has become a victim of a cyber scam before.	1.630
s_123	To prevent devices from listening to my conversations, I ensure their microphones are disabled.	1.632
s_13	Thinking about cyberattacks makes me fearful.	1.640
s_96	At least one of my accounts has been breached in the last six months.	1.641
s_124	I worry about people editing my social media page without my consent.	1.643
s_55	I feel apprehensive about using a VPN service.	1.648
s_32	I have difficulties talking to people I do not know well.	1.669
s_144	I fear unauthorized access to my social media accounts.	1.674
s_33	I have difficulties talking to strangers.	1.675
s_177	Someone close to me has been a victim of a cyberattack.	1.696
s_25	My shyness hinders my ability to socialize online.	1.713
s_65	I fear being impersonated online.	1.738
s_145	I fear hackers could gain access to my social media accounts for cyberbullying purposes.	1.743
s_147	I own digital goods that are irreplaceable.	1.757
s_158	I have never been deceived by a cyber scam.	1.764
s_102	The absence of social media would be a major loss for me.	1.769
s_143	I fear becoming a victim of cyberbullying.	1.788
s_75	I have completed an education in the field of technology or a field related to technology.	1.788
s_166	I have a specific person I go to regarding tech-support.	1.805
s_140	I often fear strangers posting on my social media accounts.	1.809
s_27	Shyness reduces my social interaction with others.	1.837
s_79	I have attended a cybersecurity training course.	1.847
s_62	I tape my webcam on most of my devices.	1.863
s_30	I am afraid to give a speech in front of an audience.	1.880
s_142	I own crypto currency.	2.635

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Table 1: Table showing the variance for each item in the pilot survey. A line shows the 1.1 cutoff.

## 1.2 Second Data Collection Round

Item	Item Description	Variance
s_137	There is a need for more regulations regarding artificial intelligence.	0.910
s_179	I often hear about cybercrimes through popular media (e.g. TV-shows, movies, podcasts, etc.).	0.927
s_84	I regularly read news related to technology.	1.019
s_108	I make sure to backup my devices.	1.055
s_6	I am concerned about my cybersecurity vulnerability.	1.157
s_107	I regularly perform backups.	1.193
s_83	I am up to date with the newest cybersecurity practices.	1.234
s_93	I spend too much time using technology devices.	1.294
s_202	I feel like artificial intelligence makes my education useless.	1.313
s_130	I do not mind sharing my contact information in cyberspace.	1.340
s_181	Theft in real life has prompted me to be more mindful of my online security risks.	1.372
s_195	Compared to others, I am more sensitive about the way online companies handle my personal information.	1.390
s_64	I frequently change my passwords.	1.394
s_44	I make sure that my credit card information is not saved in online accounts.	1.403
s_14	I fear strangers getting access to personal information.	1.435
s_183	I am familiar with how someone I know has dealt with a cyberattack and intend to follow their example.	1.460
s_57	I pay people to manage my cybersecurity.	1.464
s_174	Someone close to me has become a victim of a cyber scam before.	1.465
s_109	Generally, I use a VPN to disguise my internet movement.	1.468
s_16	After being affected by a cyberattack, I get depressed.	1.479
s_163	I feel helpless when it comes to cybersecurity.	1.479
s_61	I regularly review my account login history for unusual activity.	1.480
s_80	Increasing computer usage is changing children's brains for the worse.	1.491
s_47	I consistently scan downloaded files for malicious software.	1.530
s_148	I fear losing access to my accounts containing digital purchases.	1.536
s_66	I constantly worry about my identity being stolen online.	1.547
s_1	I constantly worry about cybersecurity.	1.553
s_24	I get nervous when other people use my technology devices.	1.553
s_188	I like to get personalized advertisement on websites.	1.558
s_139	I constantly fear losing my online data.	1.559
s_177	Someone close to me has been a victim of a cyberattack.	1.571
s_21	I feel physically unwell after a cyberattack.	1.588
s_147	I own digital goods that are irreplaceable.	1.616
s_120	I believe artificial intelligence will become dangerous in the future.	1.617
s_144	I fear unauthorized access to my social media accounts.	1.621
s_175	I get nervous when reading news about cybersecurity.	1.628
s_5	I often worry about the rapid development in technology.	1.633
s_11	I increasingly fear the internet.	1.636
s_13	Thinking about cyberattacks makes me fearful.	1.647
s_166	I have a specific person I go to regarding tech-support.	1.654
s_123	To prevent devices from listening to my conversations, I ensure their microphones are disabled.	1.655

s_94	I consistently avoid screen time one hour before I go to bed.	1.672
s_115	I want to live off the grid.	1.699
s_53	I feel apprehensive about using e-mail services.	1.724
s_138	I constantly worry about being tracked.	1.731
s_2	I am extremely terrified about cyberthreats.	1.737
s_201	I fear being impersonated by artificial intelligence.	1.753
s_145	I fear hackers could gain access to my social media accounts for cyberbullying purposes.	1.771
s_65	I fear being impersonated online.	1.786
s_111	I only use a password manager for my most critical passwords	1.818
s_170	I often consult a cybersecurity expert (e.g. IT help desk, professionals)	1.827
s_152	I often fear the police reading old chat messages of mine.	1.849
s_200	I fear artificial intelligence generating photos of me.	1.851
s_180	I follow influencers who discuss cybercrimes or security issues.	1.873
s_75	I have completed an education in the field of technology or a field related to technology.	1.903
s_54	I feel apprehensive about using two-factor authentication.	1.928
s_140	I often fear strangers posting on my social media accounts.	1.938
s_150	I fear strangers reading old chat messages of mine.	1.944
s_124	I worry about people editing my social media page without my consent.	1.953
s_151	I often fear hackers reading old chat messages of mine.	1.976
s_143	I fear becoming a victim of cyberbullying.	1.991
s_79	I have attended a cybersecurity training course.	1.999
s_142	I own crypto currency.	2.195

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Table 2: Table showing the variance for each item in the second data collection round. A line shows the 1.1 cutoff.

### 1.3 Third Data Collection Round

Item	Item Description	Variance
s_6	I am concerned about my cybersecurity vulnerability.	1.157
s_107	I regularly perform backups.	1.193
s_83	I am up to date with the newest cybersecurity practices.	1.234
s_93	I spend too much time using technology devices.	1.294
s_202	I feel like artificial intelligence makes my education useless.	1.313
s_181	Theft in real life has prompted me to be more mindful of my online security risks.	1.372
s_195	Compared to others, I am more sensitive about the way online companies handle my personal information.	1.390
s_64	I frequently change my passwords.	1.394
s_14	I fear strangers getting access to personal information.	1.435
s_183	I am familiar with how someone I know has dealt with a cyberattack and intend to follow their example.	1.460
s_61	I regularly review my account login history for unusual activity.	1.480
s_80	Increasing computer usage is changing children's brains for the worse.	1.491
s_148	I fear losing access to my accounts containing digital purchases.	1.536
s_1	I constantly worry about cybersecurity.	1.553
s_139	I constantly fear losing my online data.	1.559
s_120	I believe artificial intelligence will become dangerous in the future.	1.617
s_144	I fear unauthorized access to my social media accounts.	1.621
s_5	I often worry about the rapid development in technology.	1.633
s_11	I increasingly fear the internet.	1.636
s_53	I feel apprehensive about using e-mail services.	1.724
s_138	I constantly worry about being tracked.	1.731
s_201	I fear being impersonated by artificial intelligence.	1.753
s_65	I fear being impersonated online.	1.786
s_75	I have completed an education in the field of technology or a field related to technology.	1.903
s_54	I feel apprehensive about using two-factor authentication.	1.928
s_124	I worry about people editing my social media page without my consent.	1.953
s_151	I often fear hackers reading old chat messages of mine.	1.976
s_143	I fear becoming a victim of cyberbullying.	1.991

Table 3: Table showing the variance for each item in the third data collection round. No items fell below the 1.1 cutoff