

Timestamp 1.How old are you?

2020/12/07 5:25:35 PM GMT+ between 18 and 30

2020/12/07 5:50:38 PM GMT+ between 18 and 30

2020/12/07 5:57:37 PM GMT+ between 18 and 30

2020/12/07 6:19:21 PM GMT+ between 18 and 30

2020/12/07 6:33:58 PM GMT+ between 18 and 30

2020/12/07 6:41:11 PM GMT+ between 50 and 60

2020/12/07 6:42:37 PM GMT+ between 30 and 40

2020/12/07 6:57:33 PM GMT+ between 50 and 60

2020/12/07 7:16:40 PM GMT+ between 30 and 40

2020/12/07 7:28:34 PM GMT+ between 30 and 40

2020/12/07 7:30:59 PM GMT+ over 60

2020/12/07 7:33:03 PM GMT+ between 18 and 30

2020/12/07 7:58:33 PM GMT+ between 30 and 40

2020/12/07 8:07:48 PM GMT+ between 18 and 30

2020/12/07 8:46:00 PM GMT+ between 18 and 30

2020/12/07 8:47:26 PM GMT+ between 18 and 30

2020/12/07 9:01:34 PM GMT+ between 18 and 30

2020/12/07 9:49:09 PM GMT+ between 18 and 30

2020/12/07 9:53:41 PM GMT+ over 60

2020/12/07 10:32:04 PM GMT+ between 18 and 30

2020/12/08 9:16:38 AM GMT+ between 18 and 30

2020/12/08 9:23:20 AM GMT+ between 18 and 30

2020/12/08 10:43:17 AM GMT between 50 and 60

2020/12/08 10:45:49 AM GMT between 50 and 60

2020/12/08 11:39:57 AM GMT between 18 and 30

2020/12/08 1:54:34 PM GMT+ between 30 and 40

2020/12/08 2:14:56 PM GMT+ between 18 and 30

2020/12/08 3:05:20 PM GMT+ between 18 and 30

2020/12/08 3:09:52 PM GMT+ between 40 and 50

2020/12/08 4:48:01 PM GMT+ between 18 and 30

2020/12/08 4:48:03 PM GMT+ between 30 and 40

2020/12/08 4:58:45 PM GMT+ between 30 and 40

2020/12/08 5:21:19 PM GMT+ between 18 and 30

2020/12/08 5:27:42 PM GMT+ Under 18

2020/12/08 5:34:17 PM GMT+ between 50 and 60

2020/12/08 5:35:52 PM GMT+ over 60

2020/12/08 6:23:34 PM GMT+ between 18 and 30

2020/12/08 6:34:37 PM GMT+ between 18 and 30

2020/12/08 6:43:44 PM GMT+ between 18 and 30

2020/12/08 6:58:55 PM GMT+ Under 18

2020/12/08 7:19:13 PM GMT+ Under 18

2020/12/08 7:23:33 PM GMT+ Under 18

2020/12/08 7:37:42 PM GMT+ between 30 and 40

2020/12/08 8:06:55 PM GMT+ between 18 and 30

2020/12/08 8:31:35 PM GMT+ between 18 and 30

2020/12/08 8:41:53 PM GMT+ between 18 and 30
2020/12/08 8:42:20 PM GMT+ between 18 and 30
2020/12/08 8:42:43 PM GMT+ between 18 and 30
2020/12/08 8:47:58 PM GMT+ between 50 and 60
2020/12/08 8:50:08 PM GMT+ between 18 and 30
2020/12/08 8:52:27 PM GMT+ between 18 and 30
2020/12/08 9:32:50 PM GMT+ between 50 and 60
2020/12/08 9:34:12 PM GMT+ Under 18
2020/12/08 10:27:15 PM GMT- between 18 and 30
2020/12/08 10:30:33 PM GMT- between 30 and 40
2020/12/08 11:51:33 PM GMT- between 18 and 30
2020/12/09 12:00:52 AM GMT between 30 and 40
2020/12/09 10:28:07 AM GMT between 18 and 30
2020/12/09 10:58:50 AM GMT Under 18
2020/12/09 11:55:03 AM GMT between 18 and 30
2020/12/09 2:10:08 PM GMT+ between 18 and 30
2020/12/10 7:04:47 PM GMT+ between 50 and 60
2020/12/10 9:38:37 PM GMT+ between 40 and 50
2020/12/10 11:33:52 PM GMT- between 18 and 30
2020/12/11 1:03:38 PM GMT+ between 40 and 50
2020/12/13 2:52:19 AM GMT+ over 60
2020/12/13 2:12:10 PM GMT+ between 50 and 60

2.What is your educational background? 3.How famili 4.How famili 5.How famili 6.Do you kn

high-school (or the same)	6	8	10 Yes
graduate (master degree)	7	8	9 Yes
undergraduate (bachelor degree)	7	9	7 Yes
undergraduate (bachelor degree)	8	10	8 Yes
graduate (master degree)	7	9	9 Yes
graduate (master degree)	7	8	9 Yes
graduate (master degree)	6	7	6 Yes
PhD/Doctor	10	8	9 Yes
graduate (master degree)	4	6	6 Yes
high-school (or the same)	7	7	10 Yes
undergraduate (bachelor degree)	5	7	6 Yes
undergraduate (bachelor degree)	5	10	7 Yes
graduate (master degree)	4	5	4 Yes
graduate (master degree)	7	9	8 Yes
undergraduate (bachelor degree)	10	10	10 Yes
high-school (or the same)	8	8	10 Yes
graduate (master degree)	8	9	9 Yes
graduate (master degree)	6	8	8 Yes
graduate (master degree)	10	10	10 Yes
undergraduate (bachelor degree)	10	10	10 Yes
graduate (master degree)	7	7	7 Yes
undergraduate (bachelor degree)	10	10	10 Yes
high-school (or the same)	7	8	8 Yes
PhD/Doctor	7	7	9 Yes
graduate (master degree)	7	9	10 Yes
graduate (master degree)	10	10	10 Yes
high-school (or the same)	5	8	8 Yes
graduate (master degree)	9	9	8 Yes
graduate (master degree)	6	6	6 Yes
undergraduate (bachelor degree)	9	10	10 Yes
undergraduate (bachelor degree)	3	6	10 Yes
undergraduate (bachelor degree)	10	10	10 Yes
undergraduate (bachelor degree)	7	7	8 Yes
high-school (or the same)	7	10	10 Yes
undergraduate (bachelor degree)	1	5	5 Yes
I forgot	1	1	1 No
undergraduate (bachelor degree)	8	7	8 Yes
undergraduate (bachelor degree)	1	5	10 Yes
high-school (or the same)	8	9	8 Yes
high-school (or the same)	3	7	10 Yes
high-school (or the same)	5	8	8 Yes
middle school (or the same)	6	9	9 Yes
high-school (or the same)	4	6	7 Yes
undergraduate (bachelor degree)	2	7	7 Yes
high-school (or the same)	4	7	10 Yes

undergraduate (bachelor degree)	6	6	6 Yes
undergraduate (bachelor degree)	9	9	10 Yes
undergraduate (bachelor degree)	7	9	9 Yes
undergraduate (bachelor degree)	1	7	10 Yes
undergraduate (bachelor degree)	7	9	8 Yes
undergraduate (bachelor degree)	9	7	7 Yes
high-school (or the same)	9	8	8 Yes
high-school (or the same)	8	7	10 Yes
undergraduate (bachelor degree)	7	7	7 Yes
undergraduate (bachelor degree)	7	7	9 Yes
undergraduate (bachelor degree)	8	7	10 Yes
high-school (or the same)	4	8	10 Yes
undergraduate (bachelor degree)	9	10	10 Yes
high-school (or the same)	6	9	6 Yes
undergraduate (bachelor degree)	8	7	6 Yes
high-school (or the same)	10	10	10 Yes
graduate (master degree)	6	8	8 Yes
PhD/Doctor	7	7	6 Yes
high-school (or the same)	6	9	5 Yes
high-school (or the same)	5	5	5 Yes
graduate (master degree)	10	10	10 Yes
undergraduate (bachelor degree)	8	8	8 Yes

7.How dang 8.When you 9.Do you us 10.Have you ever heard about the following cyber

4	5 Yes	Man-In-The-Middle Attack;Evil Twin / Rogue Wi-
9	2 Yes	Man-In-The-Middle Attack;Evil Twin / Rogue Wi-
10	10 Yes	Man-In-The-Middle Attack;Malware Injections;Pa
9	6 No	Malware Injections;Passive Sniffing / Packet Analy
9	1 No	Worms
4	3 No	Malware Injections
5	9 Sometimes	Malware Injections;Passive Sniffing / Packet Analy
3	7 No	Malware Injections
8	8 No	
4	6 No	Man-In-The-Middle Attack;Worms
8	3 Yes	Worms
8	1 Yes	Malware Injections;Worms
3	1 No	Man-In-The-Middle Attack;Malware Injections;Wc
9	2 No	Malware Injections;Worms
10	2 Yes	Man-In-The-Middle Attack;Evil Twin / Rogue Wi-
7	7 Sometimes	Man-In-The-Middle Attack;Malware Injections;Pa
7	3 No	
4	5 No	Worms
7	4 Sometimes	Man-In-The-Middle Attack;Evil Twin / Rogue Wi-
7	1 Yes	Worms
6	9 No	Malware Injections;Worms
10	3 Sometimes	Man-In-The-Middle Attack;Evil Twin / Rogue Wi-
9	2 Yes	Malware Injections;Worms
9	3 Yes	Man-In-The-Middle Attack;Evil Twin / Rogue Wi-
6	1 Yes	Malware Injections;Worms
10	10 Yes	Man-In-The-Middle Attack;Malware Injections;Pa
9	7 Sometimes	Malware Injections;Worms
8	9 Sometimes	
8	1 No	Malware Injections;Ad Hoc;Worms
10	1 Yes	Man-In-The-Middle Attack;Evil Twin / Rogue Wi-
4	1 No	Malware Injections;Worms
3	6 No	Man-In-The-Middle Attack;Evil Twin / Rogue Wi-
8	2 No	Malware Injections;Passive Sniffing / Packet Analy
6	3 No	
10	1 No	
10	1 No	Man-In-The-Middle Attack;Evil Twin / Rogue Wi-
5	6 No	Man-In-The-Middle Attack;Malware Injections;Pa
7	8 No	
4	2 Sometimes	Man-In-The-Middle Attack;Evil Twin / Rogue Wi-
8	4 No	
5	7 No	Malware Injections;Passive Sniffing / Packet Analy
8	7 No	Man-In-The-Middle Attack;Malware Injections;Wc
5	7 No	Man-In-The-Middle Attack;Evil Twin / Rogue Wi-
7	1 Yes	
7	8 Yes	Malware Injections;Ad Hoc

10	1 No	Man-In-The-Middle Attack;Evil Twin / Rogue Wi-
9	2 Sometimes	Man-In-The-Middle Attack;Malware Injections;Pa
10	2 No	Malware Injections;Worms
10	1 No	Malware Injections;Worms
9	2 No	Man-In-The-Middle Attack;Evil Twin / Rogue Wi-
8	4 No	Man-In-The-Middle Attack;Evil Twin / Rogue Wi-
10	2 Yes	Malware Injections;Ad Hoc;Worms;Cowpathy
5	3 Sometimes	Man-In-The-Middle Attack;AirCrack-NG;Passive S
6	2 No	Man-In-The-Middle Attack;Malware Injections;Pa
6	3 No	Man-In-The-Middle Attack;Evil Twin / Rogue Wi-
6	8 No	Man-In-The-Middle Attack;Evil Twin / Rogue Wi-
5	8 No	Malware Injections;Worms
5	5 No	Man-In-The-Middle Attack;Malware Injections;Ad
6	8 Sometimes	Malware Injections;Passive Sniffing / Packet Analy
5	8 No	Man-In-The-Middle Attack;Passive Sniffing / Pack
7	3 No	Malware Injections;Passive Sniffing / Packet Analy
5	7 No	Malware Injections;Worms
8	6 No	Malware Injections
8	5 No	Worms
3	8 Sometimes	Worms
7	4 Sometimes	Man-In-The-Middle Attack;Evil Twin / Rogue Wi-
9	4 No	Malware Injections;Worms

-attacks?

Fi Networks;Malware Injections;Ad Hoc;Worms
Fi Networks;Malware Injections;Worms
ssive Sniffing / Packet Analyzers;Ad Hoc;Worms
zers;Ad Hoc;Worms

zers;Worms

orms

Fi Networks;AirCrack-NG;Malware Injections;Passive Sniffing / Packet Analyzers;Worms
ssive Sniffing / Packet Analyzers;Worms

Fi Networks;Malware Injections;Passive Sniffing / Packet Analyzers;Worms

Fi Networks;Malware Injections;Passive Sniffing / Packet Analyzers;Ad Hoc;Worms

Fi Networks;Worms

ssive Sniffing / Packet Analyzers;Worms

Fi Networks;AirCrack-NG;Malware Injections;Passive Sniffing / Packet Analyzers;Ad Hoc

Fi Networks;AirCrack-NG;Malware Injections;Passive Sniffing / Packet Analyzers;Worms;
zers;Worms

Fi Networks;AirCrack-NG;Malware Injections;Passive Sniffing / Packet Analyzers;Ad Hoc
ssive Sniffing / Packet Analyzers

Fi Networks;Malware Injections;Passive Sniffing / Packet Analyzers;Ad Hoc;Worms
zers;Ad Hoc;Worms

orms

Fi Networks;Malware Injections;Passive Sniffing / Packet Analyzers;Worms

Fi Networks;Malware Injections;Passive Sniffing / Packet Analyzers;Worms
ssive Sniffing / Packet Analyzers;Ad Hoc

Fi Networks;Malware Injections;Passive Sniffing / Packet Analyzers;Worms
Fi Networks;Worms

Sniffing / Packet Analyzers;Worms
ssive Sniffing / Packet Analyzers;Worms
Fi Networks;Malware Injections;Passive Sniffing / Packet Analyzers;Worms
Fi Networks;Malware Injections;Passive Sniffing / Packet Analyzers;Worms

Hocs;Worms
zers;Ad Hoc;Worms
ket Analyzers
zers;Worms

Fi Networks;Malware Injections;Passive Sniffing / Packet Analyzers;Worms



1. Introduction

2. Background

3. Methodology

4. Results

5. Discussion

6. Conclusion

Timestamp	1.How old are you?	2.What is your educational background?	3.How familiar are you with computer science / IT field?
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2020/12/07	between 18 and 30	high-school (or the	6
2020/12/07	between 18 and 30	graduate (master de	7
2020/12/07	between 18 and 30	undergraduate (bac	7
2020/12/07	between 18 and 30	undergraduate (bac	8
2020/12/07	between 18 and 30	graduate (master de	7
2020/12/07	between 18 and 30	undergraduate (bac	5
2020/12/07	between 18 and 30	graduate (master de	7
2020/12/07	between 18 and 30	undergraduate (bac	10
2020/12/07	between 18 and 30	high-school (or the	8
2020/12/07	between 18 and 30	graduate (master de	8
2020/12/07	between 18 and 30	graduate (master de	6
2020/12/07	between 18 and 30	undergraduate (bac	10
2020/12/08	between 18 and 30	graduate (master de	7
2020/12/08	between 18 and 30	undergraduate (bac	10
2020/12/08	between 18 and 30	graduate (master de	7
2020/12/08	between 18 and 30	high-school (or the	5
2020/12/08	between 18 and 30	graduate (master de	9
2020/12/08	between 18 and 30	undergraduate (bac	9
2020/12/08	between 18 and 30	undergraduate (bac	7
2020/12/08	Under 18	high-school (or the	7
2020/12/08	between 18 and 30	undergraduate (bac	8
2020/12/08	between 18 and 30	undergraduate (bac	1
2020/12/08	between 18 and 30	high-school (or the	8
2020/12/08	Under 18	high-school (or the	3
2020/12/08	Under 18	high-school (or the	5
2020/12/08	Under 18	middle school (or th	6
2020/12/08	between 18 and 30	undergraduate (bac	2
2020/12/08	between 18 and 30	high-school (or the	4
2020/12/08	between 18 and 30	undergraduate (bac	6
2020/12/08	between 18 and 30	undergraduate (bac	9
2020/12/08	between 18 and 30	undergraduate (bac	7
2020/12/08	between 18 and 30	undergraduate (bac	7
2020/12/08	between 18 and 30	undergraduate (bac	9
2020/12/08	Under 18	high-school (or the	8
2020/12/08	between 18 and 30	undergraduate (bac	7
2020/12/08	between 18 and 30	undergraduate (bac	8
2020/12/09	between 18 and 30	undergraduate (bac	9
2020/12/09	Under 18	high-school (or the	6
2020/12/09	between 18 and 30	undergraduate (bac	8
2020/12/09	between 18 and 30	high-school (or the	10
2020/12/10	between 18 and 30	high-school (or the	6

7.00

4.How familiar are you with smart electronics (laptops, smartphones, etc.)?

5.How familiar are you with the internet and Wi-Fi?

6.Do you know what a public Wi-Fi is?

8	10	Yes
8	9	Yes
9	7	Yes
10	8	Yes
9	9	Yes
10	7	Yes
9	8	Yes
10	10	Yes
8	10	Yes
9	9	Yes
8	8	Yes
10	10	Yes
7	7	Yes
10	10	Yes
9	10	Yes
8	8	Yes
9	8	Yes
10	10	Yes
7	8	Yes
10	10	Yes
7	8	Yes
5	10	Yes
9	8	Yes
7	10	Yes
8	8	Yes
9	9	Yes
7	7	Yes
7	10	Yes
6	6	Yes
9	10	Yes
9	9	Yes
9	8	Yes
7	7	Yes
7	10	Yes
7	7	Yes
7	10	Yes
10	10	Yes
9	6	Yes
7	6	Yes
10	10	Yes
9	5	Yes

8.37

8.54

7.How dangerous do you think using a public Wi-Fi is?

8.When you go to the public places that provide free Wi-Fi services, to what extent do you tend to use them?

4	5
9	2
10	10
9	6
9	1
8	1
9	2
10	2
7	7
7	3
4	5
7	1
6	9
10	3
6	1
9	7
8	9
10	1
8	2
6	3
5	6
7	8
4	2
8	4
5	7
8	7
7	1
7	8
10	1
9	2
10	2
9	2
8	4
5	3
6	2
6	8
5	5
6	8
5	8
7	3
8	5

7.34

4.29

9.Do you use a VPN (Virtual Private Network) or other encryption tools to protect your internet connections when you use public Wi-Fi?

10.Have you ever heard about the following cyber-attacks?

Yes	Man-In-The-Middle Attack;Evil Twin / Rogue Wi-Fi
Yes	Man-In-The-Middle Attack;Evil Twin / Rogue Wi-Fi
Yes	Man-In-The-Middle Attack;Malware Injections;Passive Sniffing / Packet Analyze
No	Malware Injections;Passive Sniffing / Packet Analyze
No	Worms
Yes	Malware Injections;Worms
No	Malware Injections;Worms
Yes	Man-In-The-Middle Attack;Evil Twin / Rogue Wi-Fi
Sometimes	Man-In-The-Middle Attack;Malware Injections;Passive Sniffing / Packet Analyze
No	
No	Worms
Yes	Worms
No	Malware Injections;Worms
Sometimes	Man-In-The-Middle Attack;Evil Twin / Rogue Wi-Fi
Yes	Malware Injections;Worms
Sometimes	Malware Injections;Worms
Sometimes	
Yes	Man-In-The-Middle Attack;Evil Twin / Rogue Wi-Fi
No	Malware Injections;Passive Sniffing / Packet Analyze
No	
No	Man-In-The-Middle Attack;Malware Injections;Passive Sniffing / Packet Analyze
No	
Sometimes	Man-In-The-Middle Attack;Evil Twin / Rogue Wi-Fi
No	
No	Malware Injections;Passive Sniffing / Packet Analyze
No	Man-In-The-Middle Attack;Malware Injections;Worms
Yes	
Yes	Malware Injections;Ad Hocs
No	Man-In-The-Middle Attack;Evil Twin / Rogue Wi-Fi
Sometimes	Man-In-The-Middle Attack;Malware Injections;Passive Sniffing / Packet Analyze
No	Malware Injections;Worms
No	Man-In-The-Middle Attack;Evil Twin / Rogue Wi-Fi
No	Man-In-The-Middle Attack;Evil Twin / Rogue Wi-Fi
Sometimes	Man-In-The-Middle Attack;AirCrack-NG;Passive Sniffing / Packet Analyze
No	Man-In-The-Middle Attack;Malware Injections;Passive Sniffing / Packet Analyze
No	Man-In-The-Middle Attack;Evil Twin / Rogue Wi-Fi
No	Man-In-The-Middle Attack;Malware Injections;Ad Hocs
Sometimes	Malware Injections;Passive Sniffing / Packet Analyze
No	Man-In-The-Middle Attack;Passive Sniffing / Packet Analyze
No	Malware Injections;Passive Sniffing / Packet Analyze
No	Worms

23 out of 41 never use encryption
tools (56.10%)

i Networks;Malware Injections;Ad Hoc;Worms
i Networks;Malware Injections;Worms
ive Sniffing / Packet Analyzers;Ad Hoc;Worms
ers;Ad Hoc;Worms

i Networks;AirCrack-NG;Malware Injections;Passive Sniffing / Packet Analyzers;Worms
ive Sniffing / Packet Analyzers;Worms

i Networks;Malware Injections;Passive Sniffing / Packet Analyzers;Ad Hoc;Worms

i Networks;AirCrack-NG;Malware Injections;Passive Sniffing / Packet Analyzers;Ad Hoc;
ers;Worms

ive Sniffing / Packet Analyzers

i Networks;Malware Injections;Passive Sniffing / Packet Analyzers;Ad Hoc;Worms

ers;Ad Hoc;Worms
ms

i Networks;Malware Injections;Passive Sniffing / Packet Analyzers;Worms
ive Sniffing / Packet Analyzers;Ad Hoc

i Networks;Malware Injections;Passive Sniffing / Packet Analyzers;Worms

i Networks;Worms

hiffing / Packet Analyzers;Worms

ive Sniffing / Packet Analyzers;Worms

i Networks;Malware Injections;Passive Sniffing / Packet Analyzers;Worms

Hoc;Worms

ers;Ad Hoc;Worms

et Analyzers

ers;Worms



Worms

Timestamp 1.How old are you? 2.What is your educational background?

2020/12/07	between 50 and 60	graduate (master degree)
2020/12/07	between 30 and 40	graduate (master degree)
2020/12/07	between 50 and 60	PhD/Doctor
2020/12/07	between 30 and 40	graduate (master degree)
2020/12/07	between 30 and 40	high-school (or the same)
2020/12/07	over 60	undergraduate (bachelor degree)
2020/12/07	between 30 and 40	graduate (master degree)
2020/12/07	over 60	graduate (master degree)
2020/12/08	between 50 and 60	high-school (or the same)
2020/12/08	between 50 and 60	PhD/Doctor
2020/12/08	between 30 and 40	graduate (master degree)
2020/12/08	between 40 and 50	graduate (master degree)
2020/12/08	between 30 and 40	undergraduate (bachelor degree)
2020/12/08	between 30 and 40	undergraduate (bachelor degree)
2020/12/08	between 50 and 60	undergraduate (bachelor degree)
2020/12/08	over 60	I forgot
2020/12/08	between 30 and 40	high-school (or the same)
2020/12/08	between 50 and 60	undergraduate (bachelor degree)
2020/12/08	between 50 and 60	high-school (or the same)
2020/12/08	between 30 and 40	undergraduate (bachelor degree)
2020/12/09	between 30 and 40	high-school (or the same)
2020/12/10	between 50 and 60	graduate (master degree)
2020/12/10	between 40 and 50	PhD/Doctor
2020/12/11	between 40 and 50	high-school (or the same)
2020/12/13	over 60	graduate (master degree)
2020/12/13	between 50 and 60	undergraduate (bachelor degree)

3.How familiar are you with computer science / IT field?

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6
10
4
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4
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7
7
10
6
3
10
1
1
4
1
9
7
4
6
7
5
10
8

6.12

4.How familiar are you with smart electronics (laptops, smartphones, etc.)?

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7
8
6
7
7
5
10
8
7
10
6
6
10
5
1
6
7
8
8
8
7
5
10
8

7.12

5.How familiar are you with the internet and Wi-Fi?

9
6
9
6
10
6
4
10
8
9
10
6
10
5
1
7
10
8
9
10
8
6
5
10
8

7.69

6.Do you know what a public Wi-Fi is?	7.How dangerous do you think using a public Wi-Fi is?	8.When you go to the public places that provide free Wi-Fi services, to what extent do you tend to use them?
Yes	4	3
Yes	5	9
Yes	3	7
Yes	8	8
Yes	4	6
Yes	8	3
Yes	3	1
Yes	7	4
Yes	9	2
Yes	9	3
Yes	10	10
Yes	8	1
Yes	4	1
Yes	3	6
Yes	10	1
No	10	1
Yes	5	7
Yes	10	1
Yes	10	2
Yes	6	3
Yes	5	8
Yes	5	7
Yes	8	6
Yes	3	8
Yes	7	4
Yes	9	4
6.65		7.69

9.Do you use a VPN (Virtual Private Network) or other encryption tools to protect your internet connections when you use public Wi-Fi?

No
Sometimes
No
No
Yes
No
Sometimes
Yes
Yes
Yes
No
No
No
No
No
No
No
No
Yes
No
No
No
No
Sometimes
Sometimes
No

10.Have you ever heard about the following cyber-attacks?

Malware Injections
Malware Injections;Passive Sniffing / Packet Anal
Malware Injections

Man-In-The-Middle Attack;Worms
Worms
Man-In-The-Middle Attack;Malware Injections;W
Man-In-The-Middle Attack;Evil Twin / Rogue Wi
Malware Injections;Worms
Man-In-The-Middle Attack;Evil Twin / Rogue Wi
Man-In-The-Middle Attack;Malware Injections;Pa
Malware Injections;Ad Hoc;Worms
Malware Injections;Worms
Man-In-The-Middle Attack;Evil Twin / Rogue Wi

Man-In-The-Middle Attack;Evil Twin / Rogue Wi
Man-In-The-Middle Attack;Evil Twin / Rogue Wi
Malware Injections;Worms
Malware Injections;Ad Hoc;Worms;Cowpathy
Man-In-The-Middle Attack;Evil Twin / Rogue Wi
Malware Injections;Worms
Malware Injections;Worms
Malware Injections
Worms
Man-In-The-Middle Attack;Evil Twin / Rogue Wi
Malware Injections;Worms

17 out of 26 never use encryption tools (65.38%)

yzers;Worms

'orms

-Fi Networks;Malware Injections;Passive Sniffing / Packet Analyzers;Worms

-Fi Networks;Worms

assive Sniffing / Packet Analyzers;Worms

-Fi Networks;AirCrack-NG;Malware Injections;Passive Sniffing / Packet Analyzers;Worms

-Fi Networks;AirCrack-NG;Malware Injections;Passive Sniffing / Packet Analyzers;Ad Hoc

-Fi Networks;Malware Injections;Passive Sniffing / Packet Analyzers;Worms

-Fi Networks;Malware Injections;Passive Sniffing / Packet Analyzers;Worms

-Fi Networks;Malware Injections;Passive Sniffing / Packet Analyzers;Worms



;Cowpathy

⌘;Worms;Cowpathy



Timestamp	1.How old are you?	2.What is your educational background?	3.How familiar are you with computer science / IT field?	4.How familiar are you with smart electronics (laptops, smartphones, etc.)?	5.How familiar are you with the internet and Wi-Fi?	6.Do you know what a public Wi-Fi is?
2020/12/07	between 18	high-school	6	8	10	Yes
2020/12/07	between 30	high-school	7	7	10	Yes
2020/12/07	between 18	high-school	8	8	10	Yes
2020/12/08	between 50	high-school	7	8	8	Yes
2020/12/08	between 18	high-school	5	8	8	Yes
2020/12/08	Under 18	high-school	7	10	10	Yes
2020/12/08	over 60	I forgot	1	1	1	No
2020/12/08	between 18	high-school	8	9	8	Yes
2020/12/08	Under 18	high-school	3	7	10	Yes
2020/12/08	Under 18	high-school	5	8	8	Yes
2020/12/08	Under 18	middle scho	6	9	9	Yes
2020/12/08	between 30	high-school	4	6	7	Yes
2020/12/08	between 18	high-school	4	7	10	Yes
2020/12/08	between 50	high-school	9	8	8	Yes
2020/12/08	Under 18	high-school	8	7	10	Yes
2020/12/09	between 30	high-school	4	8	10	Yes
2020/12/09	Under 18	high-school	6	9	6	Yes
2020/12/09	between 18	high-school	10	10	10	Yes
2020/12/10	between 18	high-school	6	9	5	Yes
2020/12/11	between 40	high-school	5	5	5	Yes
			5.95	7.60	8.15	

7.How dangerous do you think using a public Wi-Fi is?	8.When you go to the public places that provide free Wi-Fi services, to what extent do you	9.Do you use a VPN (Virtual Private Network) or other encryption tools to protect	10.Have you ever heard about the following cyber-attacks?
4	5	Yes	Man-In-The-Middle Attack;Evil Twin / Rogue Wi-
4	6	No	Man-In-The-Middle Attack;Worms
7	7	Sometimes	Man-In-The-Middle Attack;Malware Injections;Pa
9	2	Yes	Malware Injections;Worms
9	7	Sometimes	Malware Injections;Worms
6	3	No	
10	1	No	Man-In-The-Middle Attack;Evil Twin / Rogue Wi-
4	2	Sometimes	Man-In-The-Middle Attack;Evil Twin / Rogue Wi-
8	4	No	
5	7	No	Malware Injections;Passive Sniffing / Packet Analy
8	7	No	Man-In-The-Middle Attack;Malware Injections;Wc
5	7	No	Man-In-The-Middle Attack;Evil Twin / Rogue Wi-
7	8	Yes	Malware Injections;Ad Hocs
10	2	Yes	Malware Injections;Ad Hocs;Worms;Cowpathy
5	3	Sometimes	Man-In-The-Middle Attack;AirCrack-NG;Passive S
5	8	No	Malware Injections;Worms
6	8	Sometimes	Malware Injections;Passive Sniffing / Packet Analy
7	3	No	Malware Injections;Passive Sniffing / Packet Analy
8	5	No	Worms
3	8	Sometimes	Worms
6.50	5.15		

Fi Networks;Malware Injections;Ad Hoc;Worms

ssive Sniffing / Packet Analyzers;Worms

Fi Networks;AirCrack-NG;Malware Injections;Passive Sniffing / Packet Analyzers;Ad Hoc

Fi Networks;Malware Injections;Passive Sniffing / Packet Analyzers;Ad Hoc;Worms

zers;Ad Hoc;Worms

orms

Fi Networks;Malware Injections;Passive Sniffing / Packet Analyzers;Worms

Sniffing / Packet Analyzers;Worms

zers;Ad Hoc;Worms

zers;Worms

s;Worms;Cowpathy

Timestamp	1.How old are you?	2.What is your educational background?	3.How familiar are you with computer science / IT field?
2020/12/07	between 18 and 30	undergraduate (bachelo	7
2020/12/07	between 18 and 30	undergraduate (bachelo	8
2020/12/07	over 60	undergraduate (bachelo	5
2020/12/07	between 18 and 30	undergraduate (bachelo	5
2020/12/07	between 18 and 30	undergraduate (bachelo	10
2020/12/07	between 18 and 30	undergraduate (bachelo	10
2020/12/08	between 18 and 30	undergraduate (bachelo	10
2020/12/08	between 18 and 30	undergraduate (bachelo	9
2020/12/08	between 30 and 40	undergraduate (bachelo	3
2020/12/08	between 30 and 40	undergraduate (bachelo	10
2020/12/08	between 18 and 30	undergraduate (bachelo	7
2020/12/08	between 50 and 60	undergraduate (bachelo	1
2020/12/08	between 18 and 30	undergraduate (bachelo	8
2020/12/08	between 18 and 30	undergraduate (bachelo	1
2020/12/08	between 18 and 30	undergraduate (bachelo	2
2020/12/08	between 18 and 30	undergraduate (bachelo	6
2020/12/08	between 18 and 30	undergraduate (bachelo	9
2020/12/08	between 18 and 30	undergraduate (bachelo	7
2020/12/08	between 50 and 60	undergraduate (bachelo	1
2020/12/08	between 18 and 30	undergraduate (bachelo	7
2020/12/08	between 18 and 30	undergraduate (bachelo	9
2020/12/08	between 18 and 30	undergraduate (bachelo	7
2020/12/08	between 30 and 40	undergraduate (bachelo	7
2020/12/08	between 18 and 30	undergraduate (bachelo	8
2020/12/09	between 18 and 30	undergraduate (bachelo	9
2020/12/09	between 18 and 30	undergraduate (bachelo	8
2020/12/13	between 50 and 60	undergraduate (bachelo	8
			6.74

4.How familiar are you
with smart electronics
(laptops, smartphones,
etc.)?

5.How familiar are you
with the internet and Wi-
Fi?

6.Do you know what a public
Wi-Fi is?

9	7	Yes
10	8	Yes
7	6	Yes
10	7	Yes
10	10	Yes
10	10	Yes
10	10	Yes
10	10	Yes
6	10	Yes
10	10	Yes
7	8	Yes
5	5	Yes
7	8	Yes
5	10	Yes
7	7	Yes
6	6	Yes
9	10	Yes
9	9	Yes
7	10	Yes
9	8	Yes
7	7	Yes
7	7	Yes
7	9	Yes
7	10	Yes
10	10	Yes
7	6	Yes
8	8	Yes
8.00	8.37	

7.How dangerous do you think using a public Wi-Fi is?

8.When you go to the public places that provide free Wi-Fi services, to what extent do you tend to use them?

10	10
9	6
8	3
8	1
10	2
7	1
10	3
10	1
4	1
3	6
8	2
10	1
5	6
7	8
7	1
10	1
9	2
10	2
10	1
9	2
8	4
6	2
6	3
6	8
5	5
5	8
9	4
7.74	3.48

9.Do you use a VPN (Virtual Private Network) or other encryption tools to protect your internet connections when you use public Wi-Fi?

10.Have you ever heard about the following cyber-attacks?

Yes	Man-In-The-Middle Attack;Malware Injections;Passive Sniffing / Packet Analyzers;Ad Hoc;V
No	Malware Injections;Passive Sniffing / Packet Analyzers;Ad Hoc;V
Yes	Worms
Yes	Malware Injections;Worms
Yes	Man-In-The-Middle Attack;Evil Twin / Rogue Wi-Fi Network
Yes	Worms
Sometimes	Man-In-The-Middle Attack;Evil Twin / Rogue Wi-Fi Network
Yes	Man-In-The-Middle Attack;Evil Twin / Rogue Wi-Fi Network
No	Malware Injections;Worms
No	Man-In-The-Middle Attack;Evil Twin / Rogue Wi-Fi Network
No	Malware Injections;Passive Sniffing / Packet Analyzers;Worms
No	
No	Man-In-The-Middle Attack;Malware Injections;Passive Sniffing / Packet Analyzers;Worms
No	
Yes	
No	Man-In-The-Middle Attack;Evil Twin / Rogue Wi-Fi Network
Sometimes	Man-In-The-Middle Attack;Malware Injections;Passive Sniffing / Packet Analyzers;Worms
No	Malware Injections;Worms
No	Malware Injections;Worms
No	Man-In-The-Middle Attack;Evil Twin / Rogue Wi-Fi Network
No	Man-In-The-Middle Attack;Evil Twin / Rogue Wi-Fi Network
No	Man-In-The-Middle Attack;Malware Injections;Passive Sniffing / Packet Analyzers;Worms
No	Man-In-The-Middle Attack;Evil Twin / Rogue Wi-Fi Network
No	Man-In-The-Middle Attack;Evil Twin / Rogue Wi-Fi Network
No	Man-In-The-Middle Attack;Malware Injections;Ad Hoc;V
No	Man-In-The-Middle Attack;Passive Sniffing / Packet Analyzers;Worms
No	Malware Injections;Worms

Sniffing / Packet Analyzers;Ad Hoc;Worms
Ad Hoc;Worms

Worms;AirCrack-NG;Malware Injections;Passive Sniffing / Packet Analyzers;Worms

Worms;Malware Injections;Passive Sniffing / Packet Analyzers;Ad Hoc;Worms

Worms;AirCrack-NG;Malware Injections;Passive Sniffing / Packet Analyzers;Ad Hoc;Worms

Worms;AirCrack-NG;Malware Injections;Passive Sniffing / Packet Analyzers;Worms;Cowpa
Worms

Sniffing / Packet Analyzers

Worms;Malware Injections;Passive Sniffing / Packet Analyzers;Worms

Sniffing / Packet Analyzers;Ad Hoc

Worms;Malware Injections;Passive Sniffing / Packet Analyzers;Worms

Worms;Worms

Sniffing / Packet Analyzers;Worms

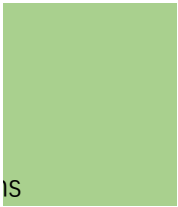
Worms;Malware Injections;Passive Sniffing / Packet Analyzers;Worms

Worms;Malware Injections;Passive Sniffing / Packet Analyzers;Worms

Worms

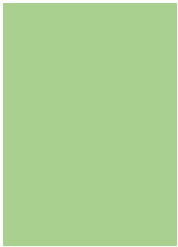
Analyzers





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Timestamp	1.How old are you?	2.What is your educational background?	3.How familiar are you with computer science / IT field?
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2020/12/07	between 18 and 30	graduate (master degree)	7
2020/12/07	between 18 and 30	graduate (master degree)	7
2020/12/07	between 50 and 60	graduate (master degree)	7
2020/12/07	between 30 and 40	graduate (master degree)	6
2020/12/07	between 50 and 60	PhD/Doctor	10
2020/12/07	between 30 and 40	graduate (master degree)	4
2020/12/07	between 30 and 40	graduate (master degree)	4
2020/12/07	between 18 and 30	graduate (master degree)	7
2020/12/07	between 18 and 30	graduate (master degree)	8
2020/12/07	between 18 and 30	graduate (master degree)	6
2020/12/07	over 60	graduate (master degree)	10
2020/12/08	between 18 and 30	graduate (master degree)	7
2020/12/08	between 50 and 60	PhD/Doctor	7
2020/12/08	between 18 and 30	graduate (master degree)	7
2020/12/08	between 30 and 40	graduate (master degree)	10
2020/12/08	between 18 and 30	graduate (master degree)	9
2020/12/08	between 40 and 50	graduate (master degree)	6
2020/12/10	between 50 and 60	graduate (master degree)	6
2020/12/10	between 40 and 50	PhD/Doctor	7
2020/12/13	over 60	graduate (master degree)	10
			7.25

4.How familiar are you with smart electronics (laptops, smartphones, etc.)?

5.How familiar are you with the internet and Wi-Fi?

6.Do you know what a public Wi-Fi is?

	8	9 Yes
	9	9 Yes
	8	9 Yes
	7	6 Yes
	8	9 Yes
	6	6 Yes
	5	4 Yes
	9	8 Yes
	9	9 Yes
	8	8 Yes
	10	10 Yes
	7	7 Yes
	7	9 Yes
	9	10 Yes
	10	10 Yes
	9	8 Yes
	6	6 Yes
	8	8 Yes
	7	6 Yes
	10	10 Yes
	8.00	8.05

7.How dangerous do you think using a public Wi-Fi is?	8.When you go to the public places that provide free Wi-Fi services, to what extent do you tend to use them?
9	2
9	1
4	3
5	9
3	7
8	8
3	1
9	2
7	3
4	5
7	4
6	9
9	3
6	1
10	10
8	9
8	1
5	7
8	6
7	4
6.75	4.75