

# Synergyzing Human Behavior and CyberSecurity using a Psychometric Scale

This research project aims to explore the intersection of cybersecurity and human behavior, focusing on how human factors—such as awareness, habits, decision-making, and cognitive biases—impact the effectiveness of cybersecurity practices. By analyzing behavioral patterns and common vulnerabilities from a human-centric perspective, the project seeks to identify strategies to enhance security awareness and reduce risks associated with human error. The findings will contribute to the development of more effective, user-friendly, and behaviorally-informed cybersecurity solutions.

Your responses to this questionnaire will be valuable in understanding real-world behaviors and perceptions related to cybersecurity. All responses will remain anonymous and will be used solely for academic purposes.

For Scale:

- 1 Strongly Disagree
- 2 Disagree
- 3 Neutral
- 4 Agree
- 5 Strongly Agree

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\* Indicates required question

1. Email \*

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2. Your Full Name \*

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## 3. Age \*

*Mark only one oval.*

- ☐ Under 18
- ☐ 18-24
- ☐ 25-34
- ☐ 35-44
- ☐ 45 and above

## 4. Gender \*

*Mark only one oval.*

- ☐ Male
- ☐ Female
- ☐ Prefer not to say

## 5. Educational Background \*

*Mark only one oval.*

- ☐ High School or equivalent
- ☐ Bachelor's (In Progress)
- ☐ Bachelor's (Completed)
- ☐ Master's or higher
- ☐ Other: \_\_\_\_\_

## 6. Field of Study/Profession \*

*Mark only one oval.*

- ☐ Computer Science / IT
- ☐ Engineering
- ☐ Business / Management
- ☐ Humanities / Social Sciences
- ☐ Medical / Life Sciences
- ☐ Other: \_\_\_\_\_

## 7. Current Occupation: \*

*Mark only one oval.*

- ☐ Student
- ☐ Employed
- ☐ Self-employed
- ☐ Unemployed
- ☐ Other: \_\_\_\_\_

## 8. Have you received any formal training in cybersecurity? \*

*Mark only one oval.*

- ☐ Yes
- ☐ No

9. I know how to create a strong and secure password. \*

Mark only one oval.

1	2	3	4	5
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

10. I believe it is important to use different passwords for different accounts. \*

Mark only one oval.

1	2	3	4	5
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

11. I regularly update my passwords. \*

Mark only one oval.

1	2	3	4	5
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

12. I know how to identify suspicious emails or phishing attempts. \*

Mark only one oval.

1	2	3	4	5
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

13. I feel cautious when receiving emails from unknown senders. \*

Mark only one oval.

1	2	3	4	5
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

14. I avoid clicking on links or downloading attachments from unknown sources. \*

Mark only one oval.

1	2	3	4	5
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

15. I know how to securely store sensitive files. \*

Mark only one oval.

1	2	3	4	5
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

16. I ensure sensitive information is encrypted when necessary. \*

Mark only one oval.

1	2	3	4	5
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

17. I understand the risks of accessing unsecured websites. \*

Mark only one oval.

1	2	3	4	5
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

18. I think using secure websites (HTTPS) is important. \*

Mark only one oval.

1	2	3	4	5
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

19. I avoid entering personal data on websites that are not secure. \*

Mark only one oval.

1	2	3	4	5
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

20. I believe I am at risk of experiencing a cyberattack. \*

Mark only one oval.

1	2	3	4	5
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

21. I feel vulnerable to cybersecurity threats in my workplace. \*

Mark only one oval.

1	2	3	4	5
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

22. My online activities expose me to potential risks. \*

Mark only one oval.

1	2	3	4	5
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

23. A cybersecurity breach could severely impact my personal or professional life. \*

Mark only one oval.

1	2	3	4	5
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

24. Cyber threats can cause significant financial and reputational damage. \*

Mark only one oval.

1	2	3	4	5
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>