

Review of: "Maintaining cyberhygiene in the Internet of Things (IoT): An expert consensus study of requisite user behaviours"

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Potential competing interests: No potential competing interests to declare.

I am writing to provide a review of the article titled "Maintaining cyberhygiene in the Internet of Things (IoT): An expert consensus study of requisite user behaviours". I have carefully reviewed the abstract of the article, and I would like to share my assessment and feedback.

Summary of the Article:

The article presents a study that aimed to establish expert consensus on the necessary user behaviors for maintaining cyberhygiene in the Internet of Things (IoT) environment. The authors conducted a three-round Delphi consensus study with IoT experts to identify protective behaviors, risk behaviors, and threats related to IoT cybersecurity. The study categorized experts' responses into behavioral categories and evaluated the importance of protective behaviors, likelihood of risk behaviors and threats leading to IoT breaches. The findings highlight the critical behaviors and threats specific to IoT settings, as well as the overlap with recommendations for conventional computing.

Strengths:

1. **Novelty and Relevance:** The article addresses a significant knowledge gap by exploring the requisite user behaviors for maintaining cyberhygiene in the IoT context. Given the increasing prevalence of IoT devices and the associated cybersecurity risks, this study is highly relevant and can contribute to improving security practices.
2. **Rigorous Methodology:** The utilization of a Delphi consensus study with IoT experts adds credibility to the research. The study employed multiple rounds of expert input and feedback, ensuring comprehensive coverage and reliability of the identified behaviors and threats.
3. **Categorization and Evaluation:** The use of inductive and content analyses to categorize the expert responses and the subsequent rating of behaviors and threats provide a systematic approach to identifying and prioritizing key factors in IoT cybersecurity.
4. **Practical Implications:** The article's findings have direct implications for the development of tailored behavior change interventions to enhance cybersecurity practices in IoT settings. The identification of behaviors overlapping with conventional computing highlights areas where existing recommendations can be adapted for the IoT environment.

Suggestions for Improvement:

1. Sample Representation: It would be valuable to provide information regarding the demographics and expertise of the IoT experts involved in the study. This information would contribute to assessing the representativeness of the sample and the generalizability of the findings.

2. Limitations and Challenges: The article should discuss any limitations and challenges encountered during the study. Addressing these aspects would provide readers with a comprehensive understanding of the research's scope and potential areas for further investigation.

3. Practical Recommendations: While the study provides valuable insights into the identified behaviors and threats, it would be beneficial to include practical recommendations for users based on the findings. Offering actionable advice would enhance the usability and applicability of the research in real-world IoT cybersecurity practices.

Conclusion:

Overall, the article titled "Maintaining cyberhygiene in the Internet of Things (IoT): An expert consensus study of requisite user behaviours" presents a valuable contribution to the field of IoT cybersecurity. The rigorous methodology, comprehensive analysis, and practical implications make this study a strong candidate for publication. Addressing the suggested improvements will further enhance the article's quality and impact.

I recommend considering this article for publication in [Journal Name] based on its relevance, sound methodology, and contribution to the existing literature on IoT cybersecurity.

Thank you for the opportunity to review this article, and please feel free to contact me if you require any further information.

Sincerely,

Kashmira Ganji