Makayla G.A Thomas

Bora Aslan

CYSE 201S

March 24, 2024

Article #2: Cyberattacks and the Development of Cyber Policies

The Cyber Realm

This article shows the relevance and connection between cyber attacks, threats, and risks and the adherence to cybersecurity policies and strategies. According to the research given, researchers have found the significance of cyber attacks, threats, and risks and how they have helped improve the measures of cybersecurity policies within our government. The government's ignorance of cybercrime, actors, and threats leads them to experience each firsthand hand, which allows them to create and implement their cybersecurity policies to ensure the protection and security of their civilians.

Specifically, this article questions whether civilians should allow government officials to obtain personal, social, and economic information about consumers in return for privacy and security in cyberspace and what precautions should be taken while doing so. Also being questioned is the effect cyberattacks have on these individuals.

Analysis and Methods

A randomized survey experiment was conducted on 1022 Israeli contestants who perceived staged news reports about local cybersecurity attacks, threats, and risks. This survey consisted of three groups: a lethal, nonlethal, and controlled group. The lethal group was shown severe cyberattacks, the non lethal saw minor cyberattacks, and the controlled group was shown nothing about cyberattacks.

"We begin our analysis by testing the variance between the treatment groups regarding attitudes toward cybersecurity policies, to establish that the experimental conditions produce at least minimal levels of differences in the dependent variables. Hence, we conducted a one-way univariate analysis of variance (ANOVA), in which the different cyber policies were the dependent variables" (Snider. K et al.). This analysis method allows us to understand the differentiation between the three groups within the survey, breaking down how each group responded to the need for cyber security policies. Another analysis used was mediation analysis, which observes the likeliness of each variable within the experiment.

Conclusion

The overall contributions of this study relate to society and social science principles in various ways. Diving deep into the results and the methods used within this research study allows us to understand the impact held upon the contestants and people in the real world who are victims and fall vulnerable to cyber attacks, threats, and risks due to cybercrime in a personal, social, and economic sense.

References

Snider. K et al (October 07, 20210 Cyber attacks, threats, and attitudes towards cybersecurity policies *Journal of Cybersecurity:*

https://academic.oup.com/cybersecurity/article/7/1/tyab019/6382745?searchresult=1