

Title

Understanding the Impact of Cybercrime and its potential impact on our society

Purpose

I'm sure that we are all aware by now that our world is becoming more digital by the day. This simple fact is what makes cybercrime such a prevalent and pressing issue in our society today. Cybercrime is arguably one of the most critical threats to individuals, businesses, and our general society. Although the direct financial costs of cyber-attacks are well-reported, the hidden and indirect costs remain uncomprehended. This proposal is focused on the far-reaching consequences related to cybercrime in finding these hidden costs.

These include data breaches, malicious identity theft, and financial fraud. This proposal therefore is an attempt to undertake a deep analysis of the impacts of cybercrime, focusing on the identification and quantification of costs that are usually hidden. This will add to the growing body of literature on the true extent of cybercrime and its impacts on society and the economy.

As a cybersecurity major and with my passion for coding, I've always been interested in how we interact with our world's digital threats. My research proposal stems from my desire to dig deeper into the impactful and consequential world of cybercrime.

Potential Research Questions

1. What are the impacts of cybercrime, and what are the associated hidden costs?
2. How can we identify and measure the hidden costs associated with cybercrime?
3. What are the long-term effects of cybercrime on sectors like internet banking?

Literature Review

Below are some studies that I believe shed light and explore the various aspects of cybercrime and its impact:

Nautiyal (2023) talks about the use of artificial intelligence in defense against cybercrime, and how technology can serve both attackers and defenders.

Momeni (2024) explores how social, cultural, and individual factors can influence cybercrime in our society, emphasizing the importance of considering human elements in understanding its impact.

Al-Surkhi and Maqableh (2024) Discuss how cybercrime is influenceing the adoption of Internet banking to show the implication for consumer behavior and use of digital financial services.

Bossong and Wagner (2017) contemplate the process of attributing cybercrime and international security implications by underlining the global nature of the problem.

Kim et al. (2019) provide analyses of both direct and indirect costs of cybercrime, offering insights into methods for measuring these impacts.

Potential Methodology

This study will use a mix of methods:

1. Quantitative Analysis:
 - Conduct a survey of individuals and businesses affected by cybercrime.
 - Analyze existing cybercrime incident reports and economic data.
2. Qualitative Research:
 - Interview cybersecurity experts, law enforcement officials, and cyber attack victims.
 - Perform case studies on organizations that have experienced major cyber incidents.
3. Economic Modeling:
 - Develop a model to estimate the total cost of cybercrime, including hidden costs.
4. Comparative Analysis:
 - Compare cybercrime impacts across different sectors, regions, and demographic groups.

References

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