Article Review 1

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Article Link:

https://academic.oup.com/cybersecurity/article/10/1/tyae001/7588826?searchresult=1

Introduction:

The article that I choose to investigate, had to do with, Australin cyber security professionals who were adjusting their lives to working from home, during the Covid 19 outbreak of 2020. The reason this article is important, is because it can be looked at from a social science lens and its principles. This article takes into consideration the challenges mentally, and technological in which employees had to deal with, while still practicing good cyber hygiene, and maintaining the security measures within the organization.

How the Article relates to social Science principles:

  The article relates to many different social science principles; however, it relates to the principles of relativism, determinism, and parsimony in greater depth than others. The way this article can relate to the principle of relativism, is that it takes into consideration, how the covid 19 outbreak, changed the ways in which people work all around the world including in the field of Cybersecurity. The pandemic led to a increase in attacks, within many different organizations, such as phishing, spear phishing and DDoS, which forced organizations, to adjust their security measures, to be adaptable to environmental issues. The way this article relates to the principle of

determinism, is that it talks about a increase in cyberattacks of almost 75 percent, during the pandemic, which is a preceding event that lead more people to be at home on lockdown, and use technology way more often. This lead, for more individuals to try new tactics on the internet, such as hacking, due to them being skeptical or motivated to penetrate a system, due to preceding events they were dealt with. The way this article relates to the social science principle of parsimony, is that it helps employers, recognize that if issues such as the pandemic occurs again, they are more prepared to create a fast effective framework, that help employees adapt more simply.

The research question and Hypothesis of the article

 The research question that this article aims to conclude, is to consider the human factors, during the covid 19 pandemic, for Australian cyber professionals. This question helps to guide the reader throughout the article, and to take into consideration, the cyber hygiene practices, and security measures that organizations were using throughout the pandemic. The hypothesis of the article concludes, that working remotely during a pandemic can cause practices, that are not of need in a office environment, and can lead to bad cyber hygiene practices, due to a lack of engagement.

Research method used in the study

The study that was used throughout the research was, Iterative phenomenological analysis. This is a certain method that psychologist use, to study the lively experience of individuals, and how they make sense of the world around them, through emerging themes. The way it was used in this article review, was to study how cyber professionals, reacted to being remote for work, and the cyber hygiene, and security measures that where set for them to follow. The data was taken

from a small group of about 27 cybersecurity employees in Australia within different organizations, through interviews, during the pandemic. The questions ranged from, how they felt, from adjusting to remote work? All the way to, did they feel that the security measures that were implemented in their organization to be adaptive, and beneficial? The Analysis that was captured, was to study the developing themes, that the cyber professionals were experiencing while being remote.

How the article relates to the concepts of the class

There are many ways, throughout the reading that the article relates to the concepts of the class, and how important, it is through a social science scope. One way that this article relates to the concepts in the course, is that it displays the human factor logic, which it takes into consideration throughout the article, the human errors that may occur outside of the work environment, and inside of it, that supply to the increase of successful attacks throughout the pandemic. Another concept of class, that the article relates to, is that it considers that cybersecurity training, should be implemented in psychological principle, of human behavior, and be continued. The reason why, is that from the article, many employees have stated that their level of training decreased upon working from home. Similarly, another concept of the class that relates to the article, is that the article takes into consideration the psychological factors that predict cybersecurity behavior. Another way that, this class relates to this article, is that the article main study, is through sociology, and the study of social life, in this scenario, it is the employees of the article.

How the article challenges relate to a marginalized group

The way that this article relates to challenges of marginalized groups, is that during the pandemic, not every employee has access to substantiable Wi-Fi at home. The reasoning behind these issues, is that they live in a low-end neighborhood, that doesn't promote the best Wi-Fi, which can cause issues for them working remotely for their work schedule.

The societal contributions of the Study

The overall impact of the article, shows that organizations, must take into consideration, the psychological concepts of stress, anxiety, and motivation of employees, during issues such as the pandemic. This will help for organizations, to increase work productivity, and engagement throughout the organization, even through a crisis. The study also helps, organizations to take into consideration of creating an adaptive work environment from a remote setting, which employees can engage from, if issues arise in the future, such as another pandemic.