

**Article Review 2**

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## **Ransomware in Business and Social science**

This study provides an overview of how ransomware can affect the company. It focuses mainly on topics like human resources, the way employees act and how technology adapts within cybersecurity (International Journal of Cyber Criminology).

### **Questions the research answers**

This study aims to look into organizational practices in business. It also deals with the security posture within companies and how ransomware can affect them. The main question answered by this study is how business influences the current Cybersecurity posture. A main piece they use to analyze the company is the NIST framework. It helps to show how important security should be to the business as well as the employees.

### **Research Method Used and Data Analysis Done**

The research method used is a survey method between 246 employees (International Journal of Cyber Criminology). While surveys can show good data they are largely inaccurate. For the point being made in this research they still show a good level of impact. The survey includes metrics related to employee training and awareness, technological solutions, supply chain resilience, employee behavior, and security posture. The data analysis involves factor loadings, reliability assessments, and utilizing Structural Equation Modeling (SEM) to analyze the proposed model and test hypotheses.

### **Relation to Class Topics**

The slides presented in class show how employees are a very big part of how cybersecurity can operate in business. There is a heavy emphasis on employee behavior in order to keep the company from being attacked by ransomware.

## **Marginalized Groups**

This article focused on employees of Saudi companies. This shows a very progressive outlook because of the focus on how marginalized groups are being represented and not just white people this shows a more progressive and broad outlook on the world. Traditionally the only groups that would be viewed are ones in America or some parts of Europe. This displays a level of acknowledgement of great companies around the world and affirmation towards marginalized groups.

## **Societal Contributions**

The study contributes to understanding organizational cybersecurity by emphasizing the importance of both technological solutions and human factors. By highlighting the role of employee behavior and adherence, cybersecurity professionals, and policymakers to enhance cybersecurity resilience in organizations, which ultimately contributes to broader societal security and stability.

## **References**

International Journal of Cyber Criminology. (n.d.).

<https://cybercrimejournal.com/menuscript/index.php/cybercrimejournal/article/view/214/8>