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A META-ANALYSIS: THE ROLE OF SAMPLING SOURCES IN ISP COMPLIANCE RESEARCH FINDINGS

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ABSTRACT

Multiple studies have investigated the factors affecting employee compliance with information security policies; however, the findings have been inconsistent. This research, in progress, attempts to determine if sampling sources contribute to the inconsistent findings.

Keywords

Information security, information security policies, compliance, meta-analysis, sampling source, PRISMA

EXTENDED ABSTRACT

Multiple studies have investigated the factors affecting employee compliance with information security policies, drawing from diverse fields like criminology, ethics, psychology, and sociology. However, conflicting theoretical perspectives and inconsistent findings have created unresolved issues in the literature (Cram et al., 2019). Various attempts have been made to explain the contrary findings, including using meta-analyses. Still, as far as we know, no study has considered the effect of sampling sources on research findings in this domain.

This research in progress examines the moderating role of sampling sources on intention to comply with information security policies. Studies on ISP compliance have used various sampling sources, such as employees, students, IS Professionals, etc., to collect their data (Lebek et al., 2014).

Many theories have been applied in the study of ISP compliance behavior, but for this conference presentation, we have selected only one to test our proposition. We will consider only the theory of planned behavior (TPB), which has been used in many ISP compliance studies. The TPB posits that human behavior is determined by three key factors: Attitude toward the behavior, subjective norms, and perceived behavioral control (Ajzen, 1991). We propose that the sampling source will moderate the correlation between (1) attitudes and intention, (2) subjective norms and intention, and (3) perceived behavioral control and intention.

For our meta-analysis study, we will adhere to the Preferred Reporting Items for Systematic Reviews (PRISMA) guidelines as outlined by (Page et al., 2021). The final set of studies to be included in our study must meet the following criteria. (1) Operationalized the TPB constructs, including the intention to comply with ISP. (2) The correlations between the constructs were reported. (3) They describe the sampling source in a way that provides enough information to code the sampling source, and (4) They report the sample sizes. We will then analyze the data using jamovi¹

Keywords: Information security, information security policies, compliance, meta-analysis, sampling source, PRISMA

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¹ The jamovi project (2023). *jamovi* (Version 2.3) [Computer Software]. Retrieved from <https://www.jamovi.org>