Understanding the Human Element in Cybersecurity: A Literature Review and Recommendations

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Abstract : The need for strong cybersecurity measures has been brought to light by society's growing reliance on technology. Cybersecurity breaches continue, with the human aspect playing a crucial role, despite the availability of technology remedies. By analyzing the most recent findings in this area of research on awareness, attitudes, and behaviour, this literature review seeks to comprehend the human element in cybersecurity. A thorough overview of the most recent studies and gaps in the body of knowledge will be determined through a systematic examination of the literature. The paper indicates that in order to address the human component in cybersecurity, a socio-technical strategy is required, and it advocates for additional study in order to fully comprehend the consequences of various interventions. The findings of this study will increase our understanding of cybersecurity and have useful ramifications for companies wanting to strengthen their cybersecurity posture.