

"A man is
great by
deeds, not by
birth"
-Chanakya

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**Text mining-based cyber-risk assessment for DDoS attacks
and mitigation using cyber-insurance**

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Text mining-based cyber-risk assessment for DDoS attacks and mitigation using cyber-insurance

Abstract:

This study investigates the cyber-risk arising from CTO's misinterpretation of critical themes from cybersecurity-related web articles. We propose a cyber-risk management framework that assesses, quantify, and suggests mitigation strategies to deal with delayed protective response due to misinterpretation of cyberattack themes. We analyse a text corpus comprising publically collected web articles around DDoS attacks to extract critical themes. We use theorize through Protection Motivation Theory to devise threat and coping appraisal technique, primarily self-protection, self-insurance, and cyber-insurance measure for affected firms.



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