

Tracy AdomFrimpong

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Article review 1: Predictive Taxonomy Analytics(LASSO)Predicting Outcome Types Of Cyber Breach.

This article was written by Jing Rong Goh, Shaun S. Wang, Yaniv Harel, and Gabriel Toh (2023), and was published in the journal of cybersecurity which introduces a taxonomy-based framework with the use of LASSO regression which also forecasts cyber breach outcomes.

In relation to social sciences this article studies principles of social sciences and also shows how breach outcomes are shaped with the help of organizational factors and not treating incidents that happen as random the writer of the article brought out key points that predicts and aligns or has a relation with sociology and criminology that influences behavior. In this research the focus or main question is asking whether taxonomy-based triggers can predict breach outcomes. In this research independent variables are only taxonomy-coded breach triggers and industry sectors. Dependent variables are breaches records, assets affected and cost of recovery. In the article the author possesses quantitative methods which rely on LASSO regression for prediction and for variable selection. The authors then use regression models which helped to analyze validated findings without sample tests.

The article reviews the data test which includes 3,189 breach events in the span of 5 years that make variables coded from reports and databases. According to analyses LASSO, information criteria and industry regression to identify significant predictors. In connection to course concept which shows throughout the IV/DV framework, which differentiates between the causes and prediction and helps shape outcomes, use “parsimony” in the reflection of LASSO which also reflects principles of efficient. This study has helped certain groups against anticipate risks.

This article contributes to society Knowledge in the way of giving out generalizes and predictive too, which also provides a good insight for policymakers and practitioners. In the article it also shows industries and technical analysis which helps social applications and supports a lot of equitable cyber risk managements.

In conclusion the study shows how predictive analytics, it also shows grounded taxonomy and enhances and helps understand breach outcomes that’s goes together with social principles and informs practice and helps solve and manage cybersecurity risks.

Source: <http://academic.oup.com/cybersecurity/article-pdf/doi/10.1093/cybsec/tyad015/51101837/tyad015.pdf>