## Application of Logistic Regression in WEB Vulnerability Scanning

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Abstract— In the anomaly detection case of the web site, the traditional vulnerability scanning technology is com-monly used for active defense at present, but there are some problems such as incomplete data crawling and time consuming iteration of rule set, Therefore, this paper puts forward a logistic regression model based on machine learning to detect anomaly of web traffic, using TF-IDF algorithm to complete the feature extraction of URL, then training the logistic regression model, it is found that using LBFGS algorithm can be used as a loss function to obtain better model accuracy. At the same time, the experimental results show that the model can distinguish abnormal traffic well for newly generated web traffic.

For the published version of record document, go to: http://dx.doi.org/10.1109/SNSP.2018.00097