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Machine Learning for Credit Card Fraud Detection System

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Abstract: *In recent years, for banks has become terribly troublesome for police investigation the fraud in credit-card system. Machine learning plays a significant role for police investigation the credit-card fraud within the transactions. For predicting these transactions banks build use of assorted machine learning methodologies, past knowledge has been collected and new options square measure been used for enhancing the prophetical power. The performance of fraud police investigation in credit-card transactions is greatly full of the sampling approach on data-set, choice of variables and detection techniques used. This paper investigates the performance of supply regression for credit-card fraud detection. Dataset of credit-card transactions is collected from Kaggle and it contains a complete of two,84,808 credit-card transactions of a ecu bank knowledge set. It considers fraud transactions because the "positive class" and real ones because the "negative class". the info set is very unbalanced, it's concerning zero.172% of fraud transactions and also the rest square measure real transactions.*

Keywords: Fraud detection, Credit-card, Logistic regression Algorithm

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