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Patent Search

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Abstract:

IMPLEMENTATION OF SUPERVISED MACHINE LEARNING MODELS FOR ADVANCEMENT OF MANAGEMENT INFORMATION SYSTEMS FOR DISCOVERING FRAUD IN MAST method for the procedure that take a rights issue request and extract a batch of cards and tickets from it; obtaining a traversal result by navigating a pre-set database the coupon batches. When a cardholder makes a new purchase, the integrated model for credit card fraud detection predicts the cardholder's credit card fraud risk. If payment transaction data and a variety of potential fraud risk factors, the method involves training a first generative adversarial network (GAN) model. The correct extraction may be assessed using a threshold confidence level of the extracted card data. The combined image and three-dimensional model of the card are used to further data. The processor additionally creates transaction data and keeps track of the customer's actions during the new transaction authorization procedure. Impl various hot file features produced by the machine learning systems requires coordination between a hot file module and a hot file propagation engine, or they may be inside the graph module itself. FIG.1

Complete Specification

Description:IMPLEMENTATION OF SUPERVISED MACHINE LEARNING MODELS FOR ADVANCEMENT OF MANAGEMENT INFORMATION SYSTEMS FOR DISCOVERING FRAUD IN MASTER CARD

Technical Field

[0001] The embodiments herein generally relate to a method for implementation of supervised machine learning models for advancement of management information systems for discovering fraud in master card.

Description of the Related Art

[0002] The current models perform equalization processing on training data sets using resampling algorithms like SMOTE, which improve recall rates but increase positive rates because a lot of noise samples are added during the resampling process. As a result, a card issuer must pay more for manual investigation costs. In real life when doing online and/or offline transactions, fraudsters might seem and act just as a real consumer might be anticipated to. For purchases, the user may utilize a variety of cards, including credit cards, debit cards, stored value cards, and other cards. However, the card issuers, such as banks, typically bear the brunt of the financial loss brought on by fraudulent transactions and credit abuse. Major card issuers often take a monthly loss from fraud of several hundred thousand dollars. Furthermore, many activities have been expressly built into computers, even relatively simple jobs can need a substantial amount of programming time to implement. To increase security when using the transaction card, a financial institution connected to it may employ one or more fraud detection techniques.

[0003] In the existing methods people use the most frequently credit cards and result in significant property and credit losses for cardholders and card issuers due to the high risk of fraud from embezzlement and other common fraud activities. In order to identify fraudsters and defaulters in the future, fraud detection algorithms take

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