

Abstract

METHOD FOR CLASSIFYING USER ACTION SEQUENCE

The present invention relates to the methods for detecting fraud. The method for classifying user action sequence that is performed on a computer device, the method comprises obtaining a user action sequence with accompanying events, along with the timestamps of events, assigning a default class to the action sequence, obtaining time data, user data, and the actual class the given sequence at the given time belongs to, and replacing its default class with the actual class, generating a training set comprising sequences belonging to different classes, subdividing the sequences in the training set into subsequences, for each subsequence, determining the frequency of it belonging to each of the classes, scoring each subsequence and selecting n most informative subsequences, in each sequence in the training set, searching for n most informative subsequences to generate a set of Boolean features, submitting the generated set as a training set for the classification algorithm.

FIG. 1