AIRLINES TICKET FRAUD DETECTION USING DATA MINING

Due to the dramatic increase of fraud which results in loss of billions of dollars worldwide each year, several modern techniques in detecting fraud are continually evolved and applied to many business fields. Fraud detection involves monitoring the behaviour of populations of users in order to estimate, detect, or avoid undesirable behaviour. Undesirable behaviour is a broad term including misbehaviour; fraud intrusion, and account defaulting. This project proposes crime script analysis using data mining techniques. It provides an overview of the trade in these tickets, drawing on interviews with industry and law enforcement, and an analysis of an online black market.

The first step in analysis is pre-processing the data present in the data set. It includes removing missing data with valid data, categorization of data that includes changing data in different format to one format for processing, then finally splitting of dataset into test dataset and training dataset. The second step in analysis is performing testing and training on the data with different machine learning algorithms and selecting the best algorithm based on their performance. Finally, the data analysis provides an overview of the trade in these tickets and predicts the fraud’s in them. In our system, we analyse the data to predict the chances of fraud and detecting chances of travelling with fraud tickets. We will also be able to predict the rates and chance of booking too.

Project Guide –

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