Abstract

With continually increasing population and violations, rate of crime is also increasing. Analyzing such rapidly increasing data regularly is a huge issue for police department. This is extremely important to guard the residents of the nation from violations. Certain patterns must be discovered, examined and talked about to take well informed decisions so that law and orders can be kept up legitimately. Hadoop is one of an open source programming framework that supports the processing and storage of extremely large data sets in a distributed computing environment. Pig Latin is the scripting language to construct MapReduce programs for an Apache project which runs on Hadoop. The benefit of using Pig Latin is that fewer lines of code has to be written which reduces overall development and testing time. Therefore, pig technology works more efficiently than MapReduce which is presented in this paper using case study of Crime Data Analysis.
Analysis of Big Crime Data using Pig Script with Hadoop

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Index Terms

Computer Science Information Sciences

Keywords
Big Data, Hadoop, Map-Reduce, Pig etc.