Proactive Policing in the Trinidad and Tobago Police Service (TTPS) using “Big Data”

Abstract

The aim of this paper is to provide evidence to support the use of “Big Data” as a viable option for achieving proactive policing within the Trinidad and Tobago Police Service (TTPS). In today’s information technology environment, “big data” has become the buzz word and continues to be a topic of much discussion and hype. The use of big data is shifting decision making practices in all sectors of society to which law enforcement belongs and the resulting revolution brought about by its use provides a fertile environment for enhancing proactive policing as a means of gaining competitive advantage over the criminal element. Trend and pattern analyses derived from big data can provide the ideal criminal profile. Big data analytics makes it possible to track threats and potential attacks by online monitoring of communication between persons of interest. By finding ways to integrate all of its disparate data sources and analyzing it in the aggregate may lead the TTPS to discover that the benefits are real.

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Index Terms

Computer Science  Information Technology

Keywords

Big data   big data analytics   disparate data sources   business intelligence   specialized queries
unstructured information

hotspots policing