**INDIVIDUAL PAPER REVIEW**

**Review two papers from Google Scholar on the applications of Data Mining**

* **classification,**
* **clustering,**
* **association rules,**
* **regression,**
* **text mining**

**in any area such as:**

* **Healthcare**
* **Education**
* **Finance**
* **Social media**
* **Others**

**and fill in the attached form.**

**INDIVIDUAL PAPER REVIEW**

**Title:** Crime Analysis using K-Means Clustering

**Author(s):** Jyoti Agarwal, Renuka Nagpal, Rajni Sehgal

**Document Date :** 04-December-2013

1. **What is the main problem discussed in this paper?**

The main problem is homicide which is crime committed by human by killing another human is being analyzed.

1. **What is the main related studies that worked on this problem?**

* introduced a framework for crime trends
* **highlights the existing systems used by Indian police**
* **discuss on a development of Visual Interactive Malaysia Crime News Retrieval System**
* **examines the application of cluster analysis in the accounting domain**

1. **What are the dataset(s) used in this study?**

**Crime dataset used for crime analysis is an offences recorded by the police in England and Wales by offence and police force area from 1990 to 2011**

1. **What are the approach/model proposed in the paper?**

**proposed framework for the crime and criminal data analysis and detection using Decision tree Algorithms for data classification and Simple K Means algorithm for data clustering.**

1. **How the authors evaluated the performance of the methods used in this paper?**

**They are performing crime analysis using Rapid miner tool because of following reason:**

**1. It is solid and complete package with Flexible/affordable support options.**

**2. Enterprise-ready performance and scalability for big data analytics Innovative analyst support**

**3. We can program by piping components together in a graphic ETL workflows.**

1. **Reflection: What have I learnt?**

**I have learned that by Analysing crime we take advantage of the plenty. And the crime rate has been improved and we can detect the crime**

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