**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:** Predictive Data Mining for Medical Diagnosis: An Overview of Heart Disease Prediction

**Author(s):** Jyoti Soni , Ujma Ansari , Dipesh Sharma , SunitaSoni

**Document Date :** 08-march-2011

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

**The problem that they discussed in this paper is that there is shortage of resource persons at certain places**

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

**Due to resource constraints and the nature of the paper itself, the main methodology used for this paper was through the survey of journals and publications in the fields of medicine, computer science and engineering. The research focused on more recent publications.**

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

**Three different supervised machine learning algorithms i.e. Naive Bayes, K-NN, Decision List algorithm have been used for analysing the dataset**

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

**The proposed work can be further enhanced and expanded for the automation of Heart disease prediction. Real data from Health care organizations and agencies needs to be collected and all the available techniques will be compared for the optimum accuracy**

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

**the authors have developed rule selection method for filtering large number of extracted rules from Coronary Artery Disease (CAD) data set.**

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

**We can use data mining to predicting heart attack and we can reduce the actual data size**

**https://pdfs.semanticscholar.org/fbd6/5a18f6653b56138cd5196d20e2f39de189e3.pdf**