Blog 2:

❖ **Navigate the World Wide Web for data mining tools.**
   Mention three tools and provide a brief description of them.

WEKA:

Waikato Environment for Knowledge Analysis. Weka is a collection of machine learning algorithms for data mining tasks. These algorithms can either be applied directly to a data set or can be called from your own Java code. The Weka workbench contains a collection of several tools for visualization and algorithms for analytics of data and predictive modeling, together with graphical user interfaces for easy access to this functionality.

Weka is a Java based open source tool which is a collection of many data mining and machine learning algorithms, including pre-processing on data, classification, clustering, and association rule extraction.

Weka is best suited for mining association rule, it is stronger in machine learning techniques and suited for it.

KEEL

Knowledge Extraction based on Evolutionary Learning is an application package of machine learning software tools. It is designed for providing solution to data mining problems and assessing evolutionary algorithms. It has a collection of libraries for pre-processing and post-processing techniques for data manipulating, soft-computing methods in knowledge of extracting and learning, and providing scientific and research methods.

 It includes regression, classification, clustering, and pattern mining and so on. It contains a big collection of classical knowledge extraction algorithms, pre-processing techniques, Computational Intelligence based learning algorithms, including evolutionary rule learning algorithms based on different approaches, and hybrid models such as genetic fuzzy systems, evolutionary neural networks etc.

KNIME

Konstanz Information Miner, is an open source data analytics, reporting and integration platform. It has been used in pharmaceutical research, but is also used in other areas like CRM customer data analysis, business intelligence and financial data analysis. It is based on the Eclipse platform and, through its modular API, and is easily extensible. Custom nodes and types can be implemented in KNIME within hours thus extending KNIME to comprehend and provide first tier support for highly domain-specific data format.

It is a modular data exploration platform that enables the user to visually create data flows (often referred to as pipelines), selectively execute some or all analysis steps, and later investigate the results through interactive views on data and models.

Reference:

Rangra, K., & Bansal, K. (2014). Comparative Study of Data Mining Tools. *International Journal of Advanced Research in Computer Science and Software Engineering*, 4(6), 216-223. Retrieved November 28, 2015, from http://www.ijarcsse.com/docs/papers/Volume_4/6_June2014/V4I6-0145.pdf

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