Abstract

Web Mining in Soft Computing Framework for Multimedia Data

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Social network has gained remarkable attention in recent years. Accessing social network sites such as Twitter, Facebook, and LinkedIn through the Internet has become more feasible and affordable. People are become more interested in social networks for information, news and opinion of others on different subjects and to post their own messages. The popularity of social network sites causes the generation of huge amount of multimedia data with three computational issues namely size, noise and dynamism. These often make social network data very complex to analyze them manually.

Web constitutes an important role in distribution of information, and also serves multiple purposes of education and entertainment. The development of web applications and online business sites with other social networking sites indicate the amount of rapid growth in data

such as images, audio and video documents of different types in different languages. The drastic innovations in technology like improved internet data transfer rate, advanced digital data compression algorithms, etc. are involved in the activity of exponential growth in digital multimedia data around several data stores. A large portion of multimedia data is devoted to the digital video data like TV entertainment programs, broadcast news and several other visual materials. Influence of the advancement in web technology also motivates to move the multimedia content to the web stores. As a result every broadcast television services are available in the web. Online classrooms and the growth in learning management systems are another evidence for the same.

Data mining provides many techniques for detecting useful knowledge from massive datasets. Multimedia mining is a recent but challenging sub field in Data Mining. There are no unified conclusions in the concept, content and methods of multimedia mining, architecture and framework. Hence the practicality of using soft computing web framework for mining the multimedia data form the web is discoursed here.