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Data Mining and Mobile Computing

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The exhaustive and widespread use of computers and the improvements in database technology have provided large data. The emerging growth of data in databases has generated an urgent need for efficient data mining techniques to discover useful informational knowledge. Years of research efforts in mobile computing also have brought us tremendous knowledge and experience in the broad domain, as well as many hardware/software platform, frameworks, libraries and toolkits. This new paradigm shift does not only provide numerous advantages, but also created new challenges in computer operating systems development.

The advances in wireless communication technologies and the proliferation of mobile devices has created a genuine demand for exact techniques of data mining that can bring out the full benefit of such computing environment. Many fields and systems of human activity have become increasingly dependent on stored information.

This storage information is also used in mobile devices with the use of MIDLET and CLDC component of J2Me. In today's life, mobile devices, such as mobile phone, PDAs, notebook and others, provides a basic building block.

Finding prevalent mobile user patterns and behavior in large amount data has been one of the major problem that has to be solved in the field of mobile data mining. The main research in mobile data mining which has been studied exclusively in recent years is to find the frequent item sets visited by the customers in a large dataset.

The objective of this journal is to provide the latest research and the best practice in the field of data mining and mobile computing. Theoretically and practical implementations on data mining and mobile computing will provide guidance to the professionals who will use this journal to enrich their knowledge and utilize in the practices.

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