Data Mining using Hybrid Intelligent Systems

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Data Mining is part of the KDD process (Knowledge Discovery in Databases), which aims at finding useful information in large data sets. Several techniques, such as for example neural networks, fuzzy logic, statistics, and machine learning are being used in order to find this information. Each of these methods has its advantages and limitations. This is why the combination of various techniques leading to Hybrid Intelligent Systems has special importance in Data Mining.

This tutorial gives an introduction to the areas of KDD, Data Mining, and the techniques typically used in order to find information in data sets. Real-world applications will underline their potentials. Special importance is given to the analysis of each technique's characteristics, its strengths, and weaknesses. This motivates the combination of various methods leading to Hybrid Intelligent Systems in Data Mining.

Who should attend this tutorial?

➢ Researchers working in Data Mining or related areas who want to understand details of the related techniques.

➢ Practitioners interested in Data Mining applications.

➢ Practitioners having experience with Data Mining applications who want to improve their solutions performance.

References:

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