

Data Mining



From data to knowledge

The importance of collecting data that reflect your business or scientific activities to achieve competitive advantage is widely recognized. The way for turning these data into your success lies in the capability of extracting knowledge about the system you study from the collected data. Discovering valuable patterns in data is the goal of data mining.

Data mining answers questions as the following:

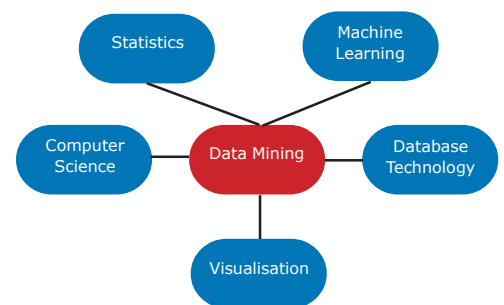
- What goods should be promoted to this customer?
- What is the probability that a certain patient suffers a given disease?
- How should a medical image be interpreted?
- Will this customer default on a loan?
- What should the medical diagnosis be for this patient?
- What is the good that a certain customer is likely to buy given that he bought another?
- How large the peak loads of an energy network are to be expected?
- Why the facility starts to produce defective goods?
- What is the avalanche risk in a certain area?

It does so by the techniques of classification, clustering, detection of relations, market basket analysis, prediction and many others.

Tasks solved by data mining

We offer

Several years of internationally recognized scientific experience in theoretical and applied problems led us to develop advanced skills in the creation and use of state-of-the-art data mining methods. We have developed new techniques, called credal classifiers (Journal of Statistical Planning and Inference, 2002), that can provide you with trustworthy predictions even when only scarce or incomplete databases are available a commonplace of real applications. This exceptional reliability under hard conditions is an unmatched feature of our algorithms.



We offer you off-the-shelf scientific competence, concrete experience and leading technologies to address and solve your data mining problems successfully.

Antoptima
we speed up your business

Via Fusoni 4
CH-6900 Lugano
Phone: +41-91-9222265
Fax: +41-91-9222267
<http://www.antoptima.com>