2. Classification: a dataset of previous credit card customers and applied to classify the risk levels of new customers.

Clustering: different products can be promoted to different customer groups and customers in different groups can be provided different services based on their lifetime value to the company.

Regression: time series prediction of stock market and indexes.

Association Rule Discovery: assume you have a dataset of all your past purchases from your favorite grocery store, and I found a dependency rule (minimizing with respect to the constraints) between these items: {Diapers} —> {Beer}

3. For example, by the sequential pattern discovery it is possible to analyse and predict the needed site for a customer by entering some key words. Also, it is possible to use Association rule discovery to determine what sites are visited most.

4.

Online shopping system with data mining applied.

References:

http://datamining.togaware.com/survivor/Data\_mining.html

(others I forgot to write and lost)