

**SGN-5306 Knowledge Mining (3 cr)**

Examination 19.10.2011 / Ari Visa

1. How to define data mining and knowledge mining? What are the benefits of data mining and knowledge mining? What are the steps of data mining in the process of knowledge discovery? 6p
2. How to define association rule mining? List the types of association! What is the difference between causality and association? 6p
3. What is the difference between classification and prediction? How do you define an outlier? What are the main approaches to detect an outlier? 6p
4. How do you define cluster analysis? What are the main players that define the quality of clustering. What are the main categories of clustering techniques? 6p
5. What are the mathematic requirements of a distance function? What kind of distance function do you use to compare symbols? Motivate your answer! 6p

- No calculator
- Students can keep the questions