



Aim of the course:

Students know and understand the basic concepts and methods of Data Science. They can take a Data Science project using the methods of Data-Mining and machine learning and communicate the results.

Contents:

- Introduction to Data Science
- Introduction to the statistical software R
- Concepts of Data Visualization (Grammar of Graphics)
- Concepts of Data Mining / Machine Learning
- Dimension Reduction, such as PCA and t-SNE
- Clustering
- Classification