SPRING 2023

DSBA 6162

Course Syllabus

- Data preprocessing
- Association and classification rules
- Decision trees
- Data semantics
- Granular computing
- Data discretization
- Data reduction (preserving knowledge hidden in data)
- Data Mining Software Package Orange and Weka
- Mining incomplete and unbalanced data
- Data actionability (action rules and meta-actions)
- Null value imputation and Chase
- Evaluation methods (confusion matrix, ...)
- Distributed data mining
- Mining big data
- Cluster analysis
- Data security/sanitization
- Applications in health (Clinical pathways analysis, risk prediction, ...)
- Applications in business (NPS score, customer churn, ...)