Data Mining

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Data Mining

Data Mining (12 CFU) – Code: 420AA
• DM I: Foundations of Data Mining (first semester)
• DM II: Advanced topics on Data Mining and case studies (Second semester)
• For students in Data Science & Business Informatics

Data Mining (9 CFU) Code: 309AA
• For students in Computer Science

Data Mining: Fundamentals (6 CFU) Code: 676AA
• For students in Informatica Umanistica
Data Mining (first semester)

• Instructors
  • Dino Pedreschi, pedre@di.unipi.it
  • Mirco Nanni, mirco.nanni@isti.cnr.it

• Classes
  • Monday  11:00 - 12:45   Room C
  • Thursday 11:00 - 12:45   Room A1
Data Mining

- **Web Page**
  - http://didawiki.cli.di.unipi.it/doku.php/dm/start

- **Learning Material**


- **Slides of the classes**

- **Data mining software**
  - **KNIME:** The Konstanz Information Miner. Download page
  - **Scikit-learn:** python library with tools for data mining and data analysis
Exam

- A written exam, with exercises and questions about methods and algorithms presented during the classes. It can be done:
  - Before Christmas holidays
  - During the exam sessions: Winter Session 2022, Summer Sessions 2022

- A project, consisting in exercises that require the use of data mining tools for analysis of data. Exercises include: data understanding, market basket analysis, clustering analysis and classification.
  - The project has to be performed by max 4 people.

- An oral exam that includes: (1) discussing the project report with a group presentation; (2) discussing topics presented during the classes, including the theory of the parts already covered by the written exam.

- Oral exam is not mandatory if your written exam is passed by the mid-test
Mailing list

- Send as soon as possible a mail to salvatore.citraro@phd.unipi.it with the following data:
  - subject: “DM”
  - text:
    - name
    - surname
    - student-id

- You will be included in a mailing list of urgent news

Survey: who are you?

https://www.wooclap.com/DMSURVEY