

# DATA ANALYTICS FOR DIGITAL HEALTH

## Course Overview

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Computer Science Department  
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# Information

- **Instructors**

- **Anna Monreale**

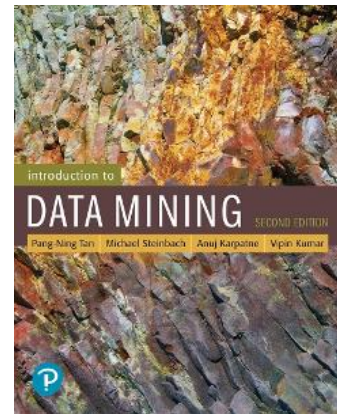
- Computer Science Department, Room 295E
    - Email: [anna.monreale@unipi.it](mailto:anna.monreale@unipi.it)
    - Office hours: **Fri 14:00-15:00** - Online using Teams or in my Office (**Appointment by email**).

- **Francesca Naretto**

- Computer Science Department, Room 328
    - Email: [francesca.naretto@unipi.it](mailto:francesca.naretto@unipi.it)
    - Office hours: **Mon 11:00-13:00** - Online using Teams or in my Office (**Appointment by email**).

# Data Mining

- **Web Page**
  - <http://didawiki.cli.di.unipi.it/doku.php/digitalhealth/0001a>
- **Learning Material:**
  - **Textbook:** Pang-Ning Tan, Michael Steinbach, Vipin Kumar  
**Introduction to DATA MINING** Addison Wesley, 2018
- **Slides of the lectures, Python Notebooks**
- **Data mining software**
  - **Scikit-learn:** python library with tools for data mining and data analysis



# Exam

- **Project**

- Given a set of data students will address the tasks required
- Groups of 2-3 people
- The dataset will be released after the lectures on Data Understanding
- **Two deadlines:** the first one around the **end November a fast check on the work done** and the second one **the final delivery. during the first week of January**
- **To be delivered:** source code, report on the analysis

- **Oral**

- Project presentation (with slides) – 15 minutes
- Open Questions on the program

- **Final Mark: 70% (project) and 30% (oral)**

- **Written exam** for students that do not deliver the project

# Mailing list

- We will publish in Teams a shared document where each student need to provide the following data:
  - name
  - surname
  - student-id (if you have one)
  - Email