



Information Retrieval and Data Mining

Course Introduction

- New teacher teaching the course
 - Same name & program
 - Same topics with different flavor
 - Same rules and schedule
 - New teachers (more or less)

- Lectures given by:
 - **Matteo Matteucci (Lecturer)**
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 - **Luca Bondi (Teaching Assistant)**
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- Data Mining (M. Matteucci)
 - The Data Mining process
 - Decision Trees and Decision Rules
 - Rule Induction Methods
 - Association Rules and Frequent Itemset Analysis
 - Graph based mining
- Information Retrieval (L. Bondi)
 - Text-based information retrieval
 - Indexing
 - Web information retrieval
 - Crowdsourcing

- Detailed Schedule and available online (soon!)

http://chrome.ws.dei.polimi.it/index.php/Information_Retrieval_and_Data_Mining

- Course Material:

- Slides from the teachers (published before/after the lecture)
- Some reference books and Scientific papers (not mandatory)
- Weka Software Package (used by the teacher)

- The exam grade is composed by a written exam

- WE - Written Exam is compulsory, no **Oral Exam**
 - Theoretical questions practical exercises (total of 5 questions)
 - Covering the all topics previously introduced

- Data Analysis and Retrieval (**only for Management!**) [10 CFU]
 - Information Retrieval and Data Mining [5 CFU]
 - Pattern Analysis and Machine Intelligence [5 CFU]
- Teachers
 - DAR: M. Matteucci (L) (**only for Management!**)
 - IRDM: M. Matteucci (L) + L. Bondi (TA)
 - PAMI: M. Matteucci (L) + D. Eynard (TA)
- Exam grading in DAR (**only for Management!!!**)
 - $DAR = (PAMI * 5 + IRDM * 5) / 10 = (PAMI + IRDM) / 2$
 - Both PAMI and IRDM have to be passed with grade ≥ 18
 - Both exams are on the same day one after the other
 - You can take them separately and register them later

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