

Data Warehousing Data Mining - Exercises

Mateusz Pawlik

December 12, 2011

Contact

Mateusz Pawlik

mateusz.pawlik@unibz.it

Office hours: Mondays and Thursdays (or email arrangement), 13:00-14:00, POS 2.12

Objectives

The exercises consider the data warehousing part of the course. Throughout the semester you will work on a small data warehousing project. You will design and implement an example data warehouse. At the end of the semester you will deliver a report and give a short presentation about the work done. Every labs meeting consists of a set of warming-up exercises (solved in class) and project's milestones tasks (individual work).

Project Description

Working in groups you will design and implement an example data warehouse. Each group will choose a project domain and go through several stages of the design process. The project is divided into several milestones. Each milestone contains a set of tasks to be solved by each group. Each milestone has to be submitted in the form of a report.

Project's Milestones

- Milestone 1 - Data warehouse design
start 03.10.2011 14:00
due 06.11.2011 23:59

Delivery consists of a report, addressing all Milestone 1 tasks, and an SQL script (and any additional files) for creating and populating your data

warehouse. If the process is different than running a script, remember to include a README file with the detailed instructions.

- Milestone 2 - Data warehouse querying
start 07.11.2011 14:00
due 18.12.2011 23:59
Delivery consists of an extended report from Milestone 1 addressing all Milestone 2 tasks.
- Milestone 3 - Data mining challenge
start 12.12.2011 14:00
due 15.01.2012 23:59
Delivery consists of a four-pages (or more) report describing the obtained results.

Project Evaluation

The evaluation will be based on the milestones assignments and the final presentation given during the last exercises. Remember, that the project's mark makes 60% of the final course mark.