DD2430 Project Course in Data Science 7.5 credits

Projektkurs i dataanalys

This is a translation of the Swedish, legally binding, course syllabus.

Establishment

Course syllabus for DD2430 valid from Spring 2019

Grading scale

P, F

Education cycle

Second cycle

Main field of study

Computer Science and Engineering

Specific prerequisites

DD2421 Machine learning or the equivalent.

Language of instruction

The language of instruction is specified in the course offering information in the course catalogue.

Intended learning outcomes

After passing the course, the students should be able to:

- read scientific articles critically
- reproduce methods in articles
- plan and carry out work in a group.

Course contents

The course will start with a part, where we study how a scientific article is constructed. The students will then, in groups of 2-5, choose articles in their sub-track (machine learning, natural language processing or bioinformatics), implement the method in the article and recreate the experiment. The type of project therefore will vary depending on sub-track, but the intended learning outcomes are the same for all three sub-tracks. The aim of the course is to bridge the gap between the courses in each sub-track and the degree project.

Disposition

Reading, implementation, evaluation and then written report.

Course literature

A number of research articles that are chosen based on the theme.

Examination

- PRO2 - Oral evaluation, 4.0 credits, grading scale: P, F
- PRO1 - Project report, 3.5 credits, grading scale: P, F

Based on recommendation from KTH's coordinator for disabilities, the examiner will decide how to adapt an examination for students with documented disability.

The examiner may apply another examination format when re-examining individual students.

If the course is discontinued, students may request to be examined during the following two academic years.

In this course, the code of honor of the school is applied, see: http://www.kth.se/en/csc/utbildning/hederskodex

The examiner will decide on possible adapted examination for students with documented, permanent disabilities. The examiner may admit other examination format for re-examination of individual students.

Ethical approach

- All members of a group are responsible for the group's work.
- In any assessment, every student shall honestly disclose any help received and sources used.
- In an oral assessment, every student shall be able to present and answer questions about the entire assignment and solution.