

Final project: description

Abstract

In the frameworks of the Machine learning course IT8565 spring term 2014/2015 final project serves the role of the final examination. While completing the projects students are expected to demonstrate their knowledge of machine learning techniques and ability to apply them

1 Formal requirements

1. Problem statement: The problem should originate or be related to your academic curricula. The students are expected to provide formal problem statement, motivation to study the problem, working hypothesis and importance of the expected outcome. Problem statement should be approved by you lecturer!!! If you could not find the problem yourself ask the lecturer to provide you with one.
2. Complexity: Solution of the problem should include application of at least three different techniques thought during the course. If you wish to study some specific case, where less techniques is used, please get approval from your lecturer.
3. Data: Please observe that sample(s) size should allow to perform training and validation.

2 Implementation

1. While MATLAB is preferred environment to implement all necessary computations you are free to use any other language. NB! while de-

fending your project you may be asked to introduce some changes into your implementation.

2. You are allowed to use available libraries. Employment of the libraries should be properly cited.

3 Presentation

Present your own work and results!!!

1. The structure to be followed while formatting your project.
 - Title page
 - Problem Statement: formal problem statement, motivation and relation to your area of studies, working hypothesis, expected results, importance of the expected results
 - Data: cite the source of your data or explain its origin, explain the structure and meaning of the elements.
 - Proposed solution Methodology, explanation of implementation.
 - Results: Present the results formally, support your results by diagrams and tables if necessary
 - Interpretation: Explain the meaning of your results in the context of chosen problem.
 - Formatting and presentation should be self sufficient, clear and short (max length 7 pages).

4 Goodness criteria

1. How correct and clear problem statement is.
2. Choice of methodology.
3. Correctness of the proposed solution and its implementation.
4. Clarity and quality of your presentation, ability to answer the questions.
5. Originality of the problem