Machine Learning and Data Mining

Course info

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Course materials

github.com/HSE-LAMBDA/mldm-2019

Home assignments

3 home assignments (‘homeworks’):

- each consists of a number of exercises
- 2 weeks for submitting a homework
  - each additional week: 0.25 points penalty
- final score for an assignment:

$$\max\left[1, \sum_i \text{exercise}_i\right] - \text{penalty}$$

Home assignments must be your own work.

Exam

Exam:

- a presentation on Machine Learning challenge you took part in:
  - a non-trivial solution
  - elaborate on methods/features/etc…
- overview of an advanced Machine Learning paper:
  - some suggestions will be on lectures (under Further Reading etc.)
  - a list of pre-approved papers will be provided

Please, discuss your choice with me beforehand

Final grade

(Final grade) = 50% x (homework score) + 50% x (exam score)

- since each homework has a max score of 1 and there are 3 assignments, it will be scaled by 5/3 in this formula;
- max exam score is 10, so it will be scaled by 1/2:

$$\text{Final grade} = \left\lceil \frac{5}{3} \cdot \text{homework score} + \frac{1}{2} \cdot \text{exam score} \right\rceil$$

Deep learning course

There's an excellent course on Deep Learning:

- hse.ru/edu/courses/305833953
  - overlaps heavily with the program of this course

- If **all** students agree to attend the Deep Learning course, we will adjust the program of this course to touch more advanced topics