

Machine Learning open course

MIPT, Fall 2019

Course syllabus:

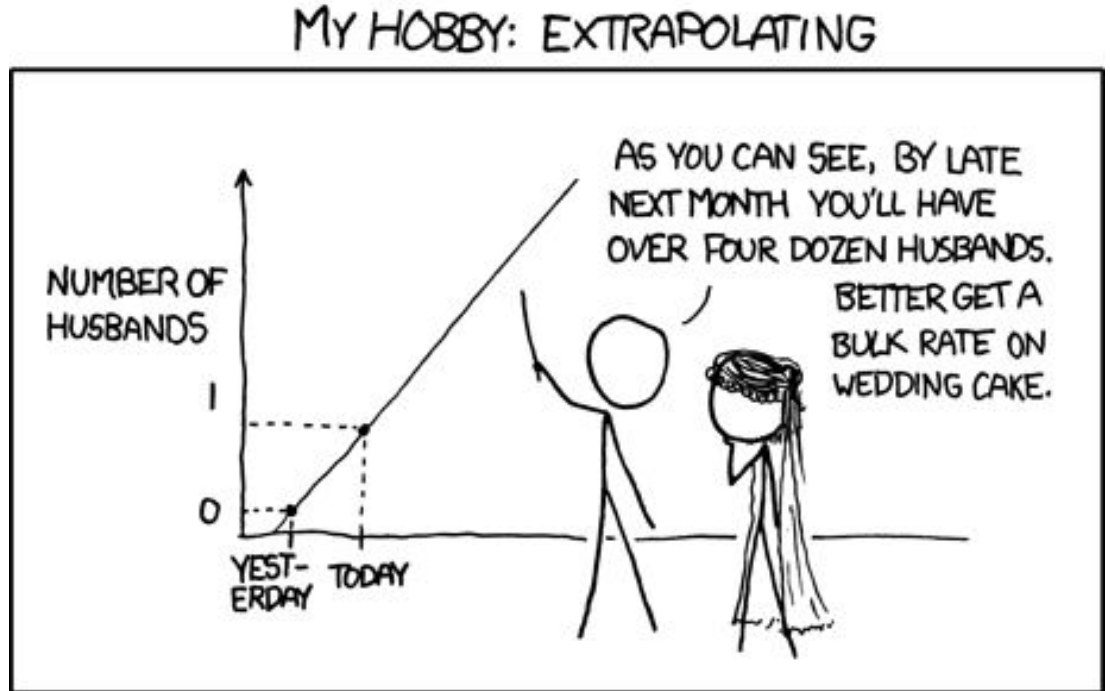
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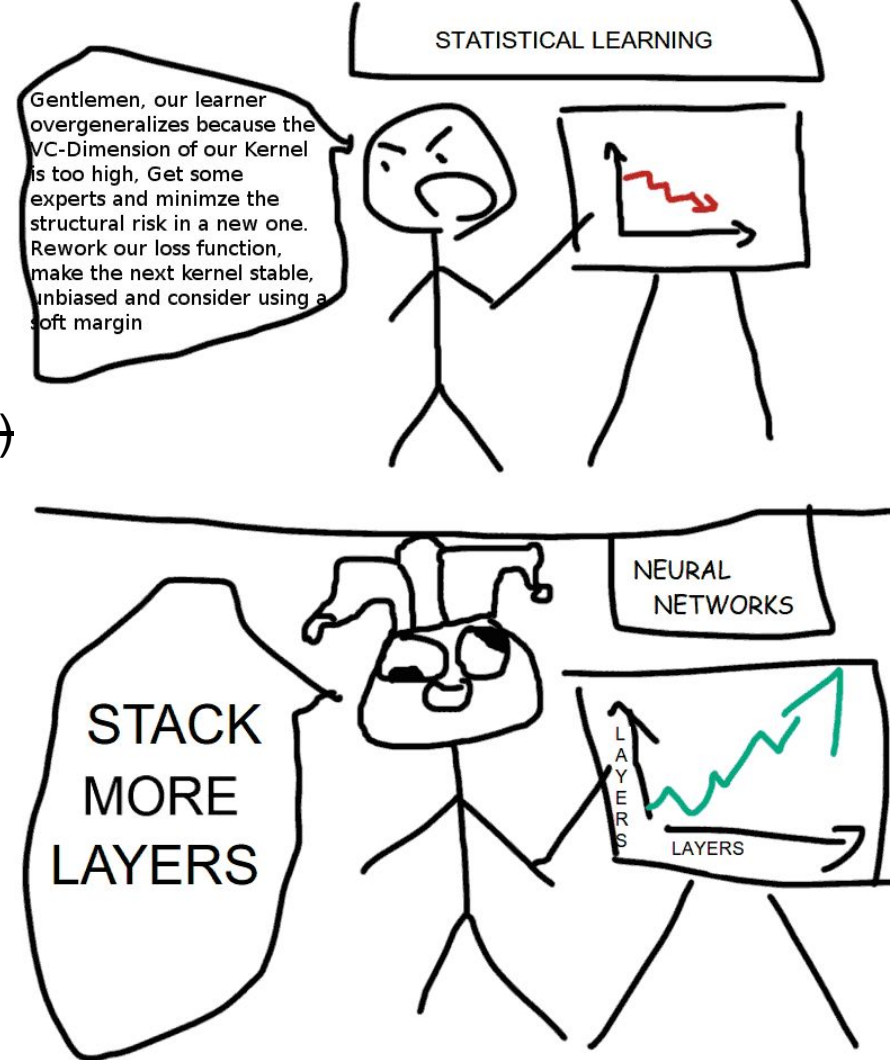
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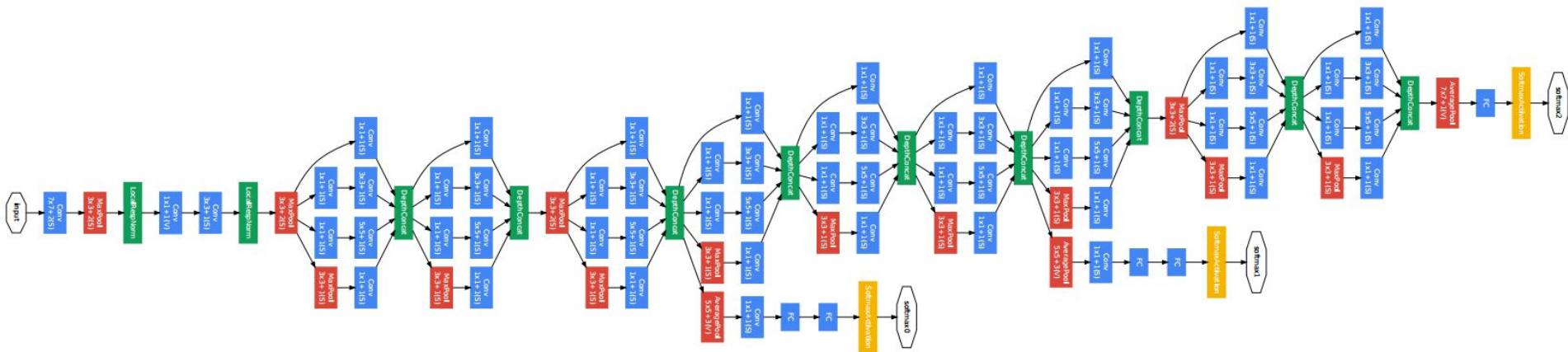
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1. Linear Models, naive bayes, SVM etc.
2. Trees, ensembles (bagging, boosting ...)
3. Deep Learning

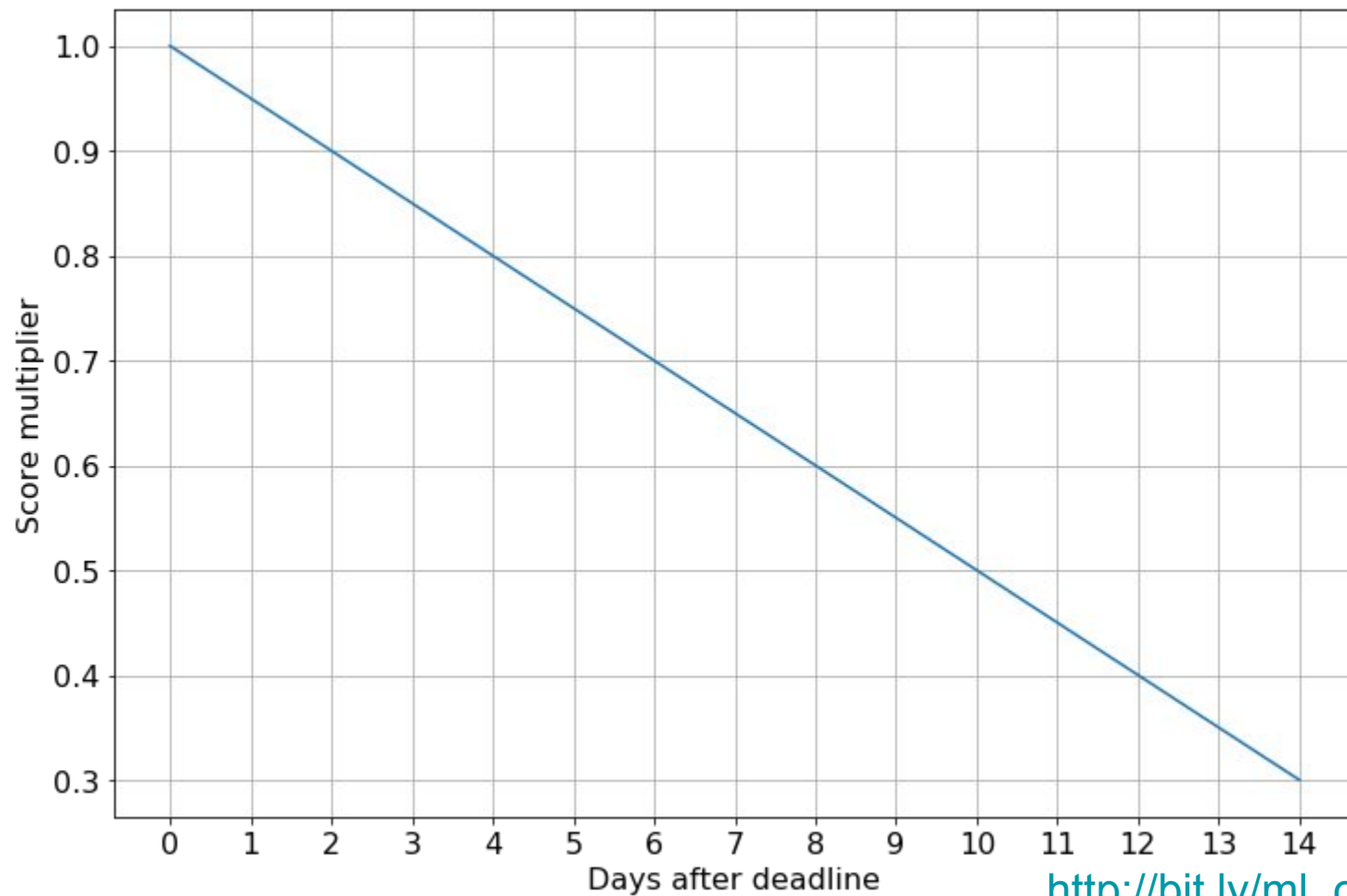


Rules of play

1. Two types of homework

- a. Small assignments
 - i. Simple tasks, automatic check-up, strict deadline
 - ii. 1 point per assignment
- b. Laboratory assignment
 - i. Big task with several milestones
 - ii. Whole pipeline (data preprocessing/EDA/training-validation/error analysis/report...)
 - iii. Many points (3-4-5-even more)
 - iv. Soft deadline: 2 or 3 weeks up to deadline, linear decrease afterwards down to 0.3 in 2 weeks

Once more: deadlines



http://bit.ly/ml_open_fall19

Rules of play

1. Two types of homework
 - a. Small assignments ~ 10 points
 - b. Laboratory assignment ~12 points
2. Exam at the end of course
 - a. Oral exam.
 - b. No “cards”
 - c. ~ 7 points
 - d. Theoretical minimum is mandatory

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4. Opportunities
 - a. Internships/Interviews in tech companies (if it works :)
 - b. Fun

Technical stuff

- Python 3.6+
 - Miniconda is recommended for env managing
- Supported platforms: Linux/macOS/docker
 - Anything else on your own risk
- Yandex account (required for authentication)
- Part of materials (especially DL) will be in English - get ready ;)
- Course chat in Telegram, link is below
- All materials are available at github: github.com/ml-mipt/ml-mipt
- Lectures will be recorded and available online



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Q&A

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