girafe ai

Machine Learning Organizational info

Radoslav Neychev

Spring 2021

Course syllabus:

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3 big blocks:

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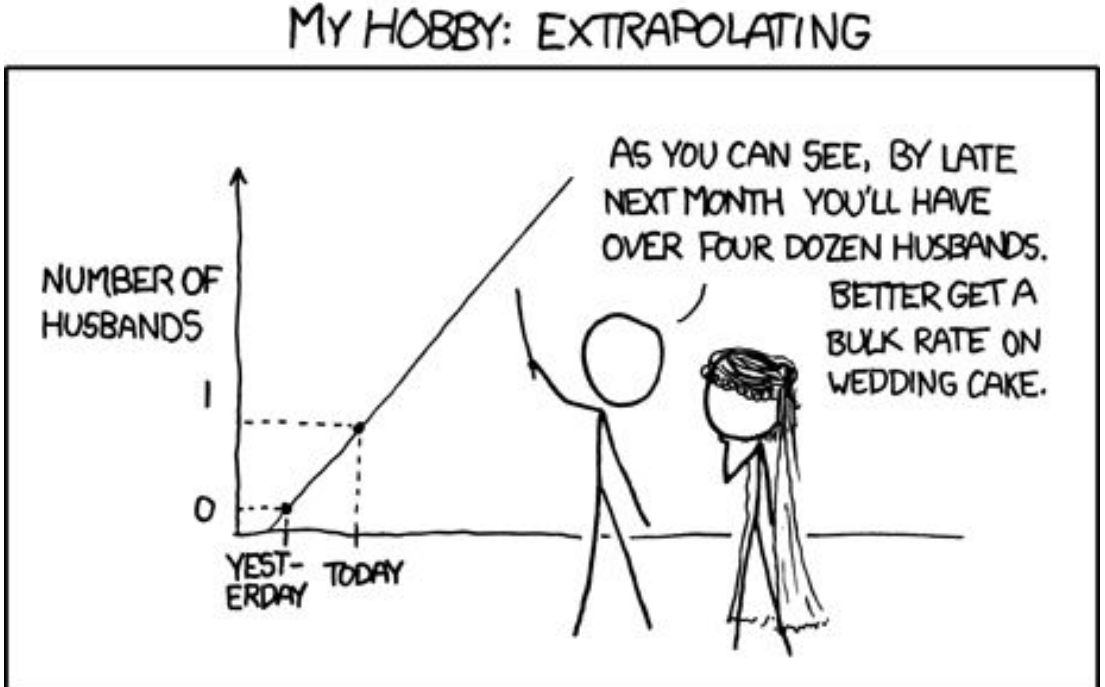
1. Linear Models, naive bayes, SVM etc.



Course syllabus:

3 big blocks:

1. Linear Models, naive bayes, SVM etc.
2. Trees, ensembles
    a. Bagging
    b. Boosting
    c. Stacking

Course syllabus:

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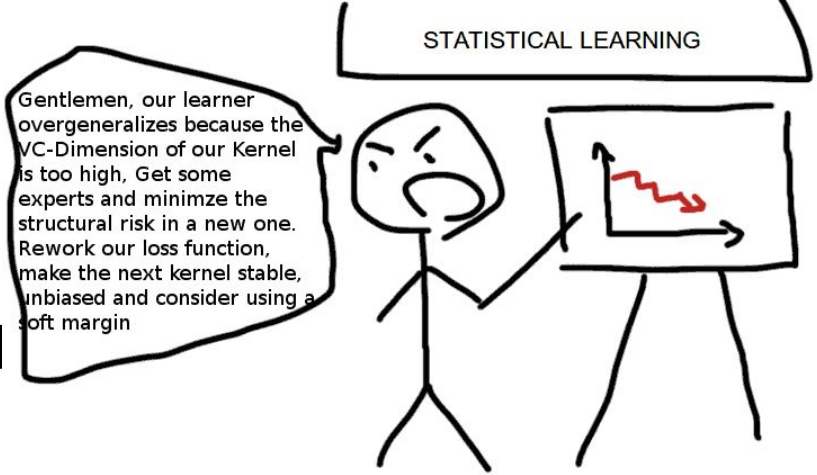

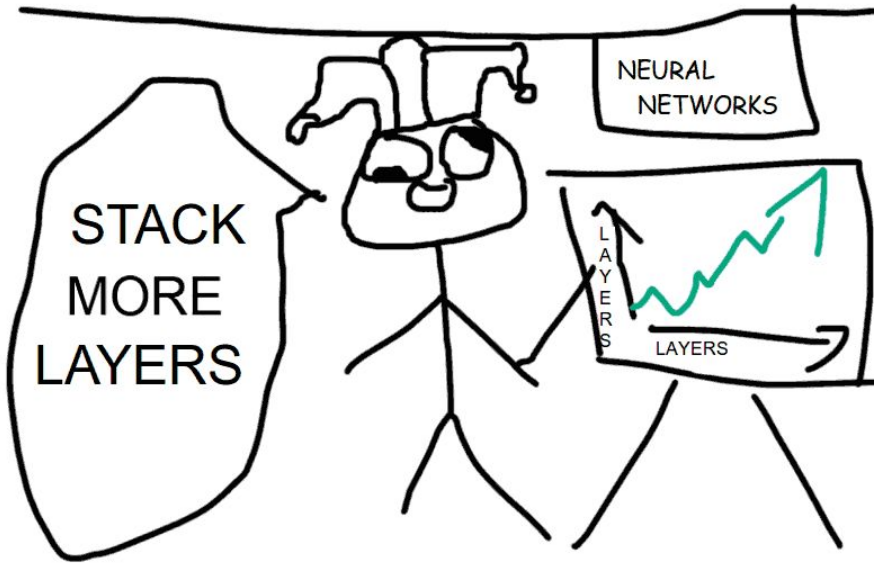

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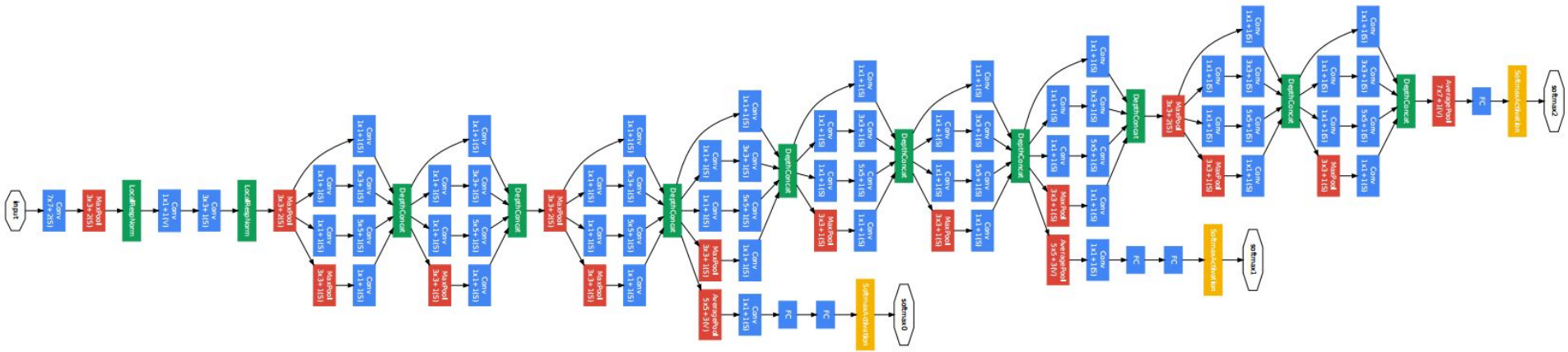

Rules of play

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: one could get some points even after deadline

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 ~ 7 points
   a. Oral exam.
   b. No “cards”
   c. Theoretical minimum is mandatory

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   a. Small assignments ~ 10 points
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3. Bonus points
   a. Small presentation on seminar (~15 mins) with some extra stuff but course info ~ 1 point
   b. Bonus tasks in Labs
   c. Your projects (open source/kaggle/hackathons)

Technical stuff

- Python 3.6+ (unless specified explicitly)
  - Miniconda is recommended for env managing
- Supported platforms: Linux/macOS/docker
  - Anything else on your own risk
- Yandex account (required for authentication)
- Course chat in Telegram
- All materials are available at github
- And on our tiny page at Notion

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Q&A