Machine Learning for Applications in Computer Vision

Preliminary Meeting

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What you will learn in the practical course

• ML Applications in Computer Vision
• Practical experience with the most common ML methods
• Benefits/drawbacks of the certain methods when applied to concrete, relevant problems
• Practical project experience
• Presentation skills
Important Dates

• Preliminary Meeting: 28. January 2015 (today)
• Registration for the matching system on TUMOnline: 30. January - 3. February 2015
• List your preferred practical courses
• Submitting Preferred Students: 4. - 9. February 2015 (by course organisers)
• Please specify if you have attended any machine learning course before!
• Matching Results: 10. February 2015
• Only assigned students are allowed to attend !!!
Course Organisation

- Class Date: Every Friday at 9-11am.
- Classroom: Seminar Room 02.09.023
- Student Lab will be open for students: 02.05.014
- Computers in the lab are equipped with required hardware.
- Students will work in groups: ideally 6 groups, each has 3 students.
- Every group will be assigned to one advisor.
Course Structure

- There will be 4-5 weeks course/exercise sessions
- Every week one topic will be presented and one exercise sheet will be given.
- Solutions to the exercises must be presented in the following week to the group advisor.
- In the project phase, one project to each group
- Students can use lab computers and ask their questions to the group advisor in class hours.
- Final presentation of the projects
Hints for Your Talk

• 20 min. + 5–10 min. for discussion
• Don’t put too much information on one slide
  • 1-2 min. per slide → 10-20 slides
• Recommended structure
  • Introduction, Problem Motivation, Outline
  • Approach
  • Experimental results
  • Discussion
  • Summary of (scientific) contributions
Evaluation Criteria

• Successful completion of exercises
• Gained expertise in the topic
• Quality of your talk
Regular Attendance Is Required

- Attendance at classes/exercises is mandatory
- In case of absence: Medical attest
Enjoy the practical course!