



Machine Learning for Applications in Computer Vision

Preliminary Meeting

Rudolph Triebel,
Philip Häusser,
Caner Hazirbas

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!

