Introduction to Deep Learning (I2DL)

Exercise 1: Organization

Today's Outline

- Lecture material and COVID-19
- How to contact us
- External students
- Exercises
  - Overview of practical exercises and dates & bonus system
  - Software and hardware requirements
- Exam & other FAQ

Website: https://niessner.github.io/I2DL/

The Team

Lecturers

Prof. Dr. Laura Leal-Taixé

Prof. Dr. Matthias Niessner

PhDs

Patrick Dendorfer

Andreas Rössler

Student Tutors

Felix
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Chinmay
Prabhakar

Yujiao
Shentu

Sophia
Wagner

Xinpeng
Wangx

Lecture Material & COVID-19

- ## Slides & recordings
  - – Until further notice there will be no physical lectures
  - – We will upload both to moodle before each lecture/ exercise session and will post them on our webpage

20. April - 26. April

1.Intro

1. Introduction (Video)

Slides and Recordings

- 20.04.2020 – <u>Lecture 1: Introduction to the lecture, Deep Learning, Machine Learning (Slides)</u> - Recording
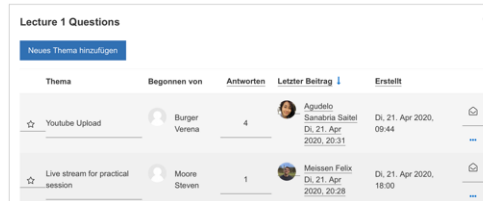
Online Contact

Content of lecture and exercises:

MOODLE
https://www.moodle.tum.de

Personal or organizational questions:

i2dl@vc.in.tum.de

Private emails or messages on moodle will not be answered!

Moodle & External Students

- Only TUM or LMU students are able to sign up on moodle and thus are able to join the announcement channel or post

- We are unable to provide access to non-TUM or LMU affiliated students
  - You can view the moodle board under https://www.moodle.tum.de/course/view.php?id=53071
  - You will not be able to see or subscribe to internal announcements

Office Hours

- Starting from: 27.04.2020 (Next week!)

- Location: virtual via TUM-Zoom

- Office hours (1 hour long, we offer 2 each day)

  – The precise time slots and links will be published on our moodle announcement board in the next days

Use them to ask questions regarding lecture content or exercises!

Exercises - Schedule

- Time and location:
  - Every Thursday, 8.00-10.00 a.m.
  - Videos will be available on our website and on moodle
- Upcoming schedule:
  - Now: Organization
  - 30.04.: Math Background
  - 07.05.: Python, Numpy and Data Loading

Software/Hardware

- Programming language
  - Python

- Deep learning library
  - Pytorch

- Hardware

  - A simple CPUwill do

  - For later exercises or DL in general: Nvidia GPU

Exercises - Content

- Weekly assignments
  - Revise calculus in the context of deep learning
  - Deepen the content of the lecture
  - Practical experiences via programming tasks

- Solutions
  - Will be published together with the next exercise video

Exercises – Submissions & Bonus

- Starting from exercise 3:
  - practical exercises, labeled as **submissions**
  - Disclaimer:
    - submissions have a fixed due date until they have to be solved and successfully uploaded.
    - No exceptions
- If you pass all but one submission you will receive a -0.3 bonus on the exam

More on submissions: 07.05.

Exam

- Format, date and location:
  - Nothing fixed yet, but we assume it will take place as usual
  - We will publish this information on our website and with an announcement once we have it

Exam - FAQ

- Will there be a retake exam?
  - Not in this semester
  - This class is offered every semester so you will have to pass the exam in the upcoming semester

- What about the bonus?
  - Bonus will be transferred to next semester
  - This also applies to students who took this class in any previous semester

External Students

- If you are a student with TUM or LMU affiliation and cannot access the course on moodle, please fill out this [form](), we will add you to the course on moodle

- Otherwise:
  - You can participate at lectures as well as exercises
  - You can't:
    - Have access to our submission system and submit exercises
    - Participate at the exam

Upcoming Lecture

- Next lecture: Lecture 2: Machine Learning basics

- Next Thursday: Math Introduction with Patrick

See you next week ☺