Exercise 0
The Team

**Lecturers**

- Prof. Dr. Laura Leal-Taixé
- Dr. Aljosa Osep
- Dr. Ismail Elezi

**PhDs**

- Jenny Seidenschwarz
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Our Research Lab

Dynamic Vision and Learning Group

https://dvl.in.tum.de/
About the Practical

• Practical:
  – Every Thursday 14-16h ➔ more info in TODAY!
  – Exercises/QA will also be streamed/recorded
  – Please try to use this session to ask questions as much as possible! 😊

https://dvl.in.tum.de/teaching/cv3dst-ss22/
Moodle

• Announcements via Moodle - IMPORTANT!
  – Sign up in TUM online for access: https://www.moodle.tum.de/
  – We will share common information (e.g., regarding exam)
  – Ask content questions online so others benefit
  – Don’t post solutions
Emails & Slides

• All material will be uploaded on Moodle and the web
• Questions regarding the syllabus, exercises or contents of the lecture, use Moodle!
• Questions regarding organization of the course:

  dst@dvl.in.tum.de

• Emails to the individual addresses will not be answered.
What this course is:

• A course on Computer Vision
  – Object detection
  – Instance and semantic segmentation
  – Multiple object tracking in 2D and 3D

→ 3 corresponding exercises over the whole semester
About the exercises

• 3 weeks for each exercise + QA between then

⇒ Deadline always 23:59 CET on due date
About the exercises

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• Exercises provided as jupyter notebooks in colab
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- Train/tune tracker on training set, submit results on subset of test set to test server (4 trials/exercise)
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• Pass a certain threshold (different for each exercise)
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→ Grade bonus of 0.3 if you pass 3/3 exercises and upload all notebooks in time
Exercises

• Exercise 0 (doesn't count):
  – Get to know data and environment (today)

• Exercise 1:
  – Build a tracker based on position and appearance (19.05.)

• Exercise 2:
  – Build a tracker using a graph neural network (09.06.)

• Exercise 3:
  – Competition! (30.06.)
Links

• Test server:  
  https://adm9.in.tum.de/embed.php/prakt/cv3dst/

• Exercise 0:  
  https://colab.research.google.com/drive/1wS5GA2d7lfQd8rKxrJYbaQyTFPJSI6as?usp=sharing