

# I2PP4DA

Tutor: Weiyuan Du

# Outline

- Organization
- Prepare for the lecture
- Tutorial Exercises
- Homework

# Welcome to I2PP4DA

## Teaching concept: interactive learning

- Synchronous: lecture with interactive exercise, tutor sessions
- Asynchronous: lecture slides, readings, and homework for self-study

## Expectation

Be open to new technologies, learning methods, and teaching approaches.

Be active and curious, and learn organize yourself

Be kind and patient : bear with us if something dose no work out as expected

## Main goals

You improve your skills in programming and problem solving

You learn the knowledge of basic Data analysis

You can achieve the best possible grade in the course.

# Copyright

- Lecture slides and exercise recourses are copyright-protected
- You are not allowed to distribute them to other people
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- All course material is protected by copyright and has been copied by and solely for the university's educational purposes under license. You may not sell, alter, or further reproduce or distribute any part of this material to any other person. Where provided to you in electronic format, you may only print it for your private study and research.
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# Tutor Session

- Onsite tutor session on Monday
- 10:15 - 11:45
- There is no obligation to attend, but it is highly recommended
- All the material is on Artemis
- Read carefully the code of conduct
- The tutor session might finish ahead of the time

## Your Tutorial Groups

G1 Mo 10-15 11-45



Monday, Apr 29, 2024 10:15 -  
11:45

Tutor: Weiyuan Du

# Tutor sessions and exercise rules


- Make sure to attend the tutor sessions
- You can only submit solutions to exercises on Artemis
- Each exercise has a due date
- If you miss the deadline, your solution will not be graded
- Important: exercises must be completed and submitted **independently**
- It would help if you had a unique solution to the exercises
- Plagiarism, i.e., copying unthinkingly without understanding the concepts and without applying the skills, might be tempting, but you betray yourself



# Consequences of plagiarism

- Allgemeine Prüfungs- und Studienordnung (APSO)  
[https://portal.mytum.de/archiv/kompendium\\_rechtsangelegenheiten/apso/Lesb-F-APSO-vom-18-03-2011-mit-5-AeS-vom-21-12-2020.pdf/download](https://portal.mytum.de/archiv/kompendium_rechtsangelegenheiten/apso/Lesb-F-APSO-vom-18-03-2011-mit-5-AeS-vom-21-12-2020.pdf/download)
- Only available in German, but translated to English here for your convenience
- § 22: “If the student attempts to influence the result of an examination by cheating or using unauthorized aids, the examination in question will be graded unsatisfactory”, i.e. 5,0 (U)
- § 24: “Otherwise, failed module examinations may be repeated as often as desired, subject to the deadlines specified in § 10. This does not apply in the case of failure due to cheating or a breach of regulations according to § 22. In this case, the failed examination may only be repeated once.”

# Artemis

<https://artemis.ase.in.tum.de>

 **Artemis** 6.8.2

Course Overview Course Management   go69jib

Courses > Introduction to Python Programming for Data Analytics


Introduction to Python Programming for Data Analytics Manage




Exercises Statistics Communication Messages

View Filter (0) Oldest Refresh

Search by exercise name

Exercise name Search


 H01E01-SO MANY TYPES

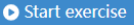
 Open code editor  Clone Repository  Resume exercise

Not released Easy

100% (a month ago)

Due Date: in 2 days

 T06E02

 Start exercise

Not released Medium Bonus

You have not started this exercise yet.

Due Date: in a month

No due date

Course Information:

Total Exercises:

8

Total Programming Exercises:

2


Total Quiz Exercises:

6

Upcoming Due Dates:


Feb 29, 2024 23:02

H01E01-SO MANY TYPES



Apr 10, 2024 20:08

T06E02





# Exercise category

- Tutorial exercise
  - with a Tutorial label
  - 4 points and 1 bonus point = 5 points
- Homework exercise
  - With a Homework label
  - 4 points and 1 bonus point = 5 points
- Quizes
  - Mon 10:15 – 10:20 of the tutorial session

T01E01\_Hello World

📄

Clone Repository

Open repository

Not released

Tutorial

Easy

🟢 125% (a minute ago)

Due Date: in a day

H01E01\_So many types

📄

Clone Repository

Open repository

Not released

Homework

Easy

🟢 125% (7 hours ago)

Due Date: in 8 days

Quiz00

📄

Open quiz

Easy

Optional

Not yet started

Due Date: in 11 hours

# Typical schedule of the tutor sessions meetings

1. Short review (max. 20 min) of the lecture content (no repetition)
  - Your tutor quickly shows the roadmap, outline, and summary slides of the lecture
  - You can ask questions if something is unclear (prepare them in advance)
2. Tutor exercises (40 min)
  - Solve exercises in the tutor sessions
3. A short discussion of the new homework (max. 15 min)
  - Your tutor quickly shows the new homework
  - You can ask questions if something is unclear (prepare them in advance)

No worries! There will be a short break between.

# Grading

- Homework+Tutorial Exercises: **40%** (including solution scripts)
  - Project presentation: **20%**
  - Project report: **40%** (in the form of formatted notebook)
- 
- There will be bonus for selected homework exercises.
    - Maximum of 10% bonus is possible.
  - No written examination.

# Environment for the lectures

- Anaconda [Distribution | Anaconda](#)
- Vscode [Visual Studio Code - Code Editing. Redefined](#)
- Pycharm <https://www.jetbrains.com/pycharm/download/>
- Jupyter notebook [Project Jupyter | Home](#)
- Pip ( download for python package)
- WSL (windows subsystem for Linux)
- Terminal (Mac os)
- Git (will be used frequently during the exercises)



Any Questions?  
Thanks for coming to the tutor session!