

Exercises

https://mycourses.aalto.fi/pluginfile.php/2000134/course/section/233748/graph4_1V2.txt

name	published	sessions	homework DL
Ex1	7.9.	13.-15.9.	25.9.
Ex2	21.9.	27.-29.9.	9.10.
Ex3	5.10.	11.-13.10.	26.10. (extended!)
Ex4	26.10.	1.-3.11.	13.11.
Ex5	9.11.	15.-17.11.	27.11.

The first tasks in each paper are exercise tasks that are solved before the exercise sessions. The publication date refers to the date when they are available here. The homework task (graded assignment) will be added in the same task paper but later. There will always be at least 10 days time to solve it. Remember that the homeworks should be solved in groups of 2-3 students, smaller or larger groups are not accepted. If you have difficulties to find a group, you can ask the TAs to help.

Exercise 1 (sessions 13.-15.9. 2023)
[tasks](#) (now including homework, updated 14.9. 2023)
[cowdata.csv](#) (here is the sama data as in Table)

Exercise 2 (sessions 27.-29.9. 2023)
[tasks](#) (now including the homework, updated 28.9. 2023)
[cowdist.csv](#) data for tasks 2.1-2.2
[birdspecies.csv](#) [description.txt](#) data for task 2.3
[combdist.py](#) Python function that can be used in task 2.3
[balls.txt](#) [spirals.txt](#) (data for task 2.4)

Exercise 3 (sessions 11.-13.10. 2023)
[tasks](#) (now including the homework task, updated 9.10.2023)
[rulestask1.tex](#) latex table of task 1

Material for the homework:
[birdspeciesv2.csv](#) [description](#) (extended bird data for analysis)
[kingfisher.tar.gz](#) (kingfisher program Note: makefile updated 18.10. for newer gcc)
[mushroom.dat](#) (this data is only for practising)
[namescodes.tar.gz](#) (conversion program)
[instructionsforkingfisher.pdf](#) (instructions and hints how to make experiments in the linux environment)

Exercise 4 (sessions 1.-3.11. 2023)
[tasks](#) (now including the homework task, updated 2.11.2023)
[mratingstable.tex](#) (rating table of task 2)
[hits.awk](#) (an awk script that you can use in task 1 if you like)
[graph4_1.txt](#) (adjacency list presentation of task 1 graph for the awk script)
[dolphins.txt](#) (data for task 4)

Exercise 5 (sessions 15.-17.11. 2023)
[tasks](#) (including the homework task 4, updated 16.11.2023)
[nodesclass5.csv](#) [edgesclass5.csv](#) (data for task 5.1)
[acmdocuments.txt](#) (data for task 5.3)
[preprocSbS.py](#) a Python script that performs step-by-step preprocessing of text data
[scopusabstracts.csv](#) (data for task 4)

Exercise 1

Exercise 2

Exercise 3

Exercise 4

Exercise 5



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