

Exercise 8

Deadline: 10.01.2018

1 Final Project Topics (10 points)

Brainstorm for topics you would like to work on during your final mini-research project. Write up a short description of two or three project ideas. Your ideas should follow these requirements:

- You should have fun working on them – choose an interesting problem. For inspiration, you may have a look at datasets and challenges from <https://www.kaggle.com/>, <http://archive.ics.uci.edu/ml/> or course material from similar lectures in the internet. Another good source of possible tasks are practical problems in a university group or company you are in contact with.
- Don't choose projects whose solution can be downloaded from the internet. This is cheating!
- Your projects should neither be too easy nor too hard. Your team should be able to produce a reasonable solution within ≈ 90 hours per team member (equivalent to 3 ECTS).
- The same applies to hardware requirements: Don't choose a project that needs hardware you don't have access to (e.g. lots of GPUs). On the other hand, free offerings from the big cloud providers (e.g. Amazon Web Services) may give you more power than you are aware of.
- You may use methods that were not covered in the lecture. However, the extra effort to learn these methods will likely require more work on your part (i.e. plan for an extra week or two).

Please hand-in your project descriptions in a single zip-archive with naming convention (sorted alphabetically by last names)

`lastname1-firstname1_lastname2-firstname2_exercise08.zip`

or (if you work in a team of three)

`lastname1-firstname1_lastname2-firstname2_lastname3-firstname3_exercise08.zip`

and upload it to Moodle before the given deadline.