# Feedback 1

**Deadline: 15.5.2024, 16:00**

## Regulations

Please hand-in your solution as commented jupyter notebooks, accompanied with exported HTML. Zip all files into a single archive `ex01-feedback.zip` and upload this file to MaMPF before the given deadline.
Moreover, please set your **Anzeigename**/**display name** and **Name in Uebungsgruppen**/**name in tutorials** in MaMPF to your real name, which should be identical to your name in `muesli` and make sure you **join the submission** of your team via the invitation code before the submission deadline. Check out `https://mampf.blog/handing-in-homework-assignments` for instructions.

## 1 Comment on your solution to exercise 1

Study the sample solution `linear-classifiers-solution.html` (provided on MaMPF under section "Worked Examples") and use it to comment on your own solution to this exercise. Specifically, copy your original notebook `linear-classifiers.ipynb` to `linear-classifiers-commented.ipynb` and insert comments as Markdown cells starting with `<div style="color: green; font-weight: bold">Comment</div>` so that we can clearly distinguish your comments from the other cell types. Insert comment cells at the appropriate places according to the following rules:

- If your code is incorrect, identify the bugs and make brief suggestions for possible fixes (don't include a full corrected solution).
- If your solution is slow, identify inefficient code sections (e.g. Python loops) and suggest possible improvements.
- If your code is correct, but differs from the sample solution, briefly explain why your solution is a valid alternative and where either solution is more elegant.
- If your code is essentially equal to the sample solution, explicitly say so.

Export the commented notebook to `linear-classifiers-commented.html` and hand in both files. The easiest way for exporting `.ipynb` to `.html` files is via Jupyter Notebook or JupyterLab (see `https://jupyterlab.readthedocs.io/en/stable/user/export.html`). If e.g. you use Google Colab to export your `.ipynb` file to `.html`, be aware of the fact that Google Colab does not support the Markdown cell formatting that is necessary to highlight your comments.

Tutors will grade each task of your commented solution with [0, 25, 50, 75, 100]% of the maximum number of points depending on the completion of the task, if you are aware where it failed and how it can be improved.

Note that you can only provide comments for subtasks that you actually solved (or attempted to solve) in your original submission. It is not possible to deliver missing parts in the feedback hand-in. At the end of the semester you need to have at least 50% of the total achievable points in order to be admitted to the final project. We may adjust the grading scheme during the semester.

## 2 Comment on others' solution to exercise 1

Each team will receive the solution of another team for cross-feedback via the "feedback" entry for homework 1 on MaMPF. Comment on it in the same way as above using filenames
`linear-classifiers-cross-feedback.ipynb` and
`linear-classifiers-cross-feedback.html`.

We will then return these files to the other team. Tutors will grade your cross-feedback with a simple **pass** if it is helpful, and a **fail** otherwise. You need to achieve at least 50% cross-feedback passes during the semester in order to be admitted to the final project. Please comment carefully, so that your cross-feedback provides helpful information for the other team to improve, and vice versa.