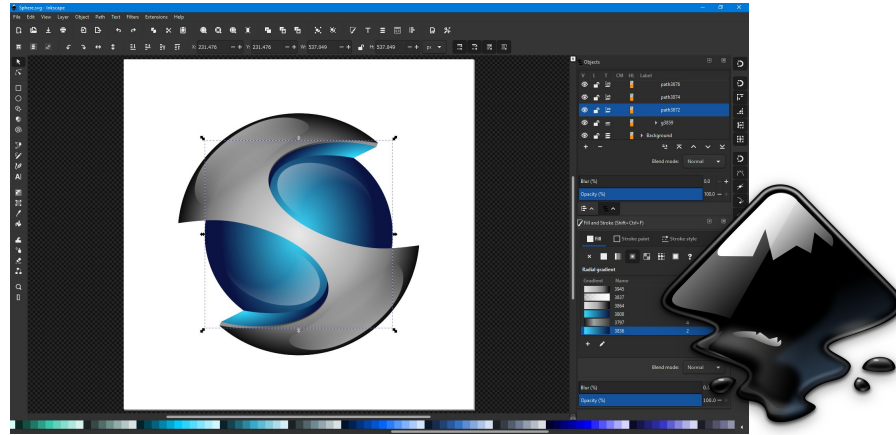# Data Science Survival Skills

Homework 4

Description of the Homework

Welcome to our fourth homework. With this activity, you will:

- Use Inkscape to create a panel following the parameters explained during the lecture and exercise.
- Use proper criteria to create an adequate visual.

Inkscape

Homework 4: Tasks 1/3

- Take a look at the Jupyter Notebook. There are several subtasks (**three in total ➜ a), b) and c)**) that you need to work on. For each subtask, explain what you improved about the plot and why.

  ➜ **Slide: Your explanation for each subtask a), b) and c)**

Homework 4: Task 2/3

- Take all the saved plots and load them together into Inkscape. Create a nice looking panel (with the plots a), b) and c) ➡ write this also directly next to the plot, as shown in the exercise) there that can be used in a publication, for example. Save it as an .svg.

  ➡ **Upload: Upload the created .svg file to StudOn, together with the PDF containing your <u>one</u> slide.**
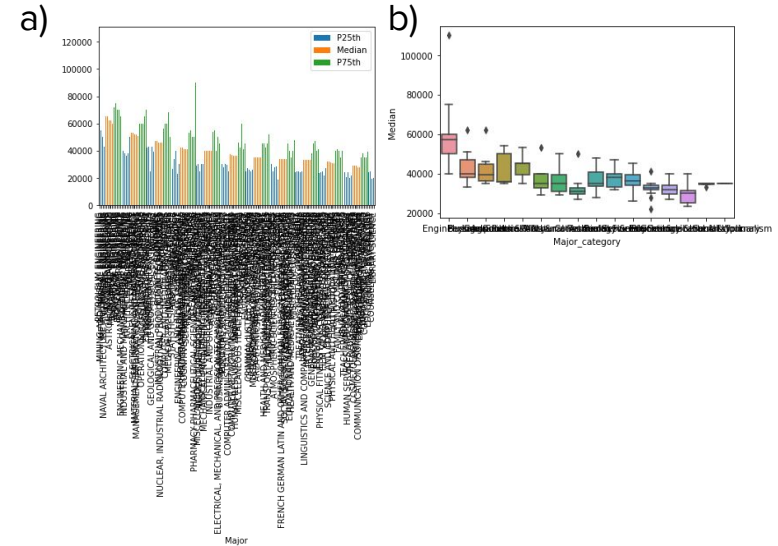
Homework 4: Task 3/3

- Add your created panel to the slide. Below write a caption for each plot a), b) and c) that could be used in a publication.

  ➜ **Slide: Your created panel and the captions for each plot of the panel.**

Homework 4: Example

Task 1:
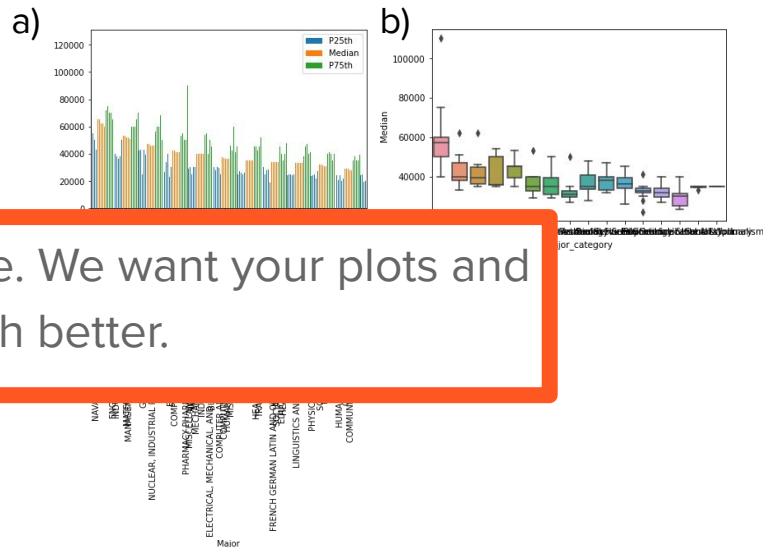- a) I did this and that because of...
- b) And so on
- c) ...

a) Your caption comes here. b) Another caption.
c) Plot c is missing here but should be there
in your submission.

➜ **Don't forget to upload your .svg file to StudOn as well**

Homework 4: Example

Task 1:
- a) I did this and that because of...
- b) And so on
- c) ...

Note: This is a bad looking example. We want your plots and panel to look much better.

a) Your caption comes here. b) Another caption.
c) And another caption.

➜ **Don't forget to upload your .svg file to StudOn as well**

Homework: Requirements

You must complete **all** homework assignments (**unless otherwise specified**) following these guidelines:

- **One** slide/page.
- **PDF** file format only.
- It has to contain your **name** and **student** (**matriculation**) **number** in the down-left corner.
- Font: **Arial,** Font-size: > **10 Pt.**
- Answer **all** the questions and solve all the tasks requested.
- Be careful with **plagiarism**. Repeated solutions will not be accepted!

And we are done!

Thank you