

Assignment 1

Python Basics

The aim of this assignment is to understand the basics of Github and Python, so that you should become familiar with:

- How to use Github for this course and in general
- The basic Python syntax and learn techniques needed to understand, store and manipulate data.

You can complete the assignment at home as well by using the following platform:

- [Google Colab](#), an online open-source Jupyter Notebook service.
 - You can check out the [this tutorial](#) to get you started with Colab.
 - Many other helpful tutorials on [this link](#).

We're going to mainly use Colab notebooks that will be shared on Github.

Tasks:

1. Create a github account and share the name on canvas.
2. Fork the repository to your account.
3. Open the Python notebook(in your own repository) on Colab.
4. Copy this notebook in your own drive.
5. For each heading in the notebook you need to do the following tasks:
 - a. Add one new example in the tutorial.
 - b. Write a description of the example you added.
6. Save this updated notebook with the same name (i.e. Introduction_to_Python.ipynb) and upload directly from Colab to your own Github account's branch that you just created. (saving with the same name is necessary so that i can see your changes!)
7. Commit changes to your branch.
8. After making the changes, create a pull request in your forked repository to merge your branch into your main branch.
9. Review and then merge the pull request into the main branch of your forked repository.
10. Send the TA the link of github repository of your assignment.
11. Also, upload your final notebook tutorial on canvas (Jupyter Notebook file).