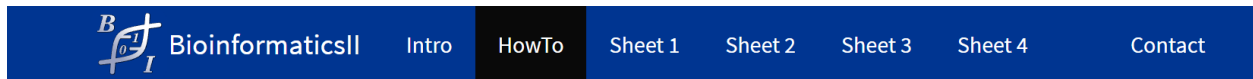# HowTo

Exercise Material

All exercise material can be accessed via this webpage.

Exercises are provided as a practical addition to the lectures and will help you to better understand the topics of the lecture.

Results will be discussed in the weekly exercise sessions.

Setup

You can access individual exercise sheets using the navigation bar.

All exercise sheets are made for self-learning and provide questions, hints and a master-solution.

There are no deadlines when exercises should be finished. Keep in mind though that exercise discussions will be held every week for a certain exercise sheet. We advise you to do one exercise-sheet every week to not lose track of the discussions.

A detailed schedule is available on our Ilias page.

Pdf-version

A pdf-version of each exercise sheet is available for download on the bottom of each exercise sheet.

Download: PDF Version of this page.

Programming Tasks

Some exercise-sheets have programming tasks.

Whenever a programming task is available you will be redirected to our Github Classroom page:

Exercise 3 - Programming assignment

Programming assignments are available via Github Classroom and contain automatic tests.

We recommend doing these assignments as they will help you further your understanding of this topic.

Access the Github Classroom link: Programming Assignment: Sheet 01.

In Github Classroom we provide automated testing for solutions written in python. You are of course welcome to use whatever language you prefer, but the automatic tests will not work for other languages than python.

The link provided will lead you to the specific assignment. Once you accept the prompt shown on Github, a custom Github repository will be created for yourself, with your Github Name as a suffix.

GitHub Classroom

You're ready to go!

You accepted the assignment, **Exercise Sheet 0: Introduction to Github Classroom**.

Your assignment repository has been created:

https://github.com/Bioinformatics2-teaching/exercise-sheet-0-introduction-to-github-classroom-RickGelhausen

We've configured the repository associated with this assignment (update).

Note: You may receive an email invitation to join Bioinformatics2-teaching on your behalf. No further action is necessary.

If you follow this link you will be able to see your personal Github repository. This will contain all the necessary files and descriptions to complete the programming task. The task description will be given in the README.md which is also visible below the source code.

The important file for you will be the `exercise-sheet.py` file. It contains skeletons for all the functions you need to write with additional explanations.

You can either edit this file directly via Github using the edit button, or clone the repository to your PC and edit it with your preferred IDE.

For this course, you will mainly need the basic `git clone`, `git add`, `git commit`, `git push` and `git pull` commands.

Once you have solved the programming task, you can push your changes to the repository, which will trigger the automatic testing of your code.