

## Useful Tips for Fledgling Programmers

### Objective

No matter with which language you would like to start your programming career, there are some basics you should know and good practices you might want to learn about early on that will make your programming more efficient and solid.

In this online workshop, I will discuss useful tips for starting programmers and some aspects to consider when choosing your language and programming environment.

The course is mainly aimed at people with no or very little experience. Note that we won't do any actual programming (maybe a little). The aim is that you get a realistic view on what it means to start programming and how you might succeed.

### Description

In this online workshop I will suggest principles and tools that will make you a better programmer right from the start and will make your programming life easier. If you have not decided on a language yet, a few hints will help you make a pick (better multiple picks).

Further topics are version control (git etc.), documentation, commenting, editors, and command-line scripting.

In addition, there will be an optional part (28 June 2021) for this course with short recorded lectures and exercises (plus discussion/correction session). This will cover concepts and knowledge that I consider useful (but not necessary) for starting to program. Topics of the optional part include file types (binary vs. text files), text encoding (Unicode etc.), data types (integers, decimal numbers, signed vs. unsigned). This will help you understand how different kinds of information are stored on a computer and how it can be read.

### Methodology

- Screencasts
- Practical exercises
- Q & A

### Organizational Information

Language	English
Target group	Doctoral Candidates at all stages and Postdocs from all faculties
Date	Monday, 28 June 2021, 10:00 – 12:00 (Optional Part) Monday, 12 July 2021, 10:00 – 13:00
Registration	<a href="#">For registration click here</a>

### Trainer



**Dr. Axel Kohler**  
GRADE - Goethe Research  
Academy, Frankfurt

- GRADE deputy managing director responsible for the natural and life sciences
- Background in psychology and neuroscience