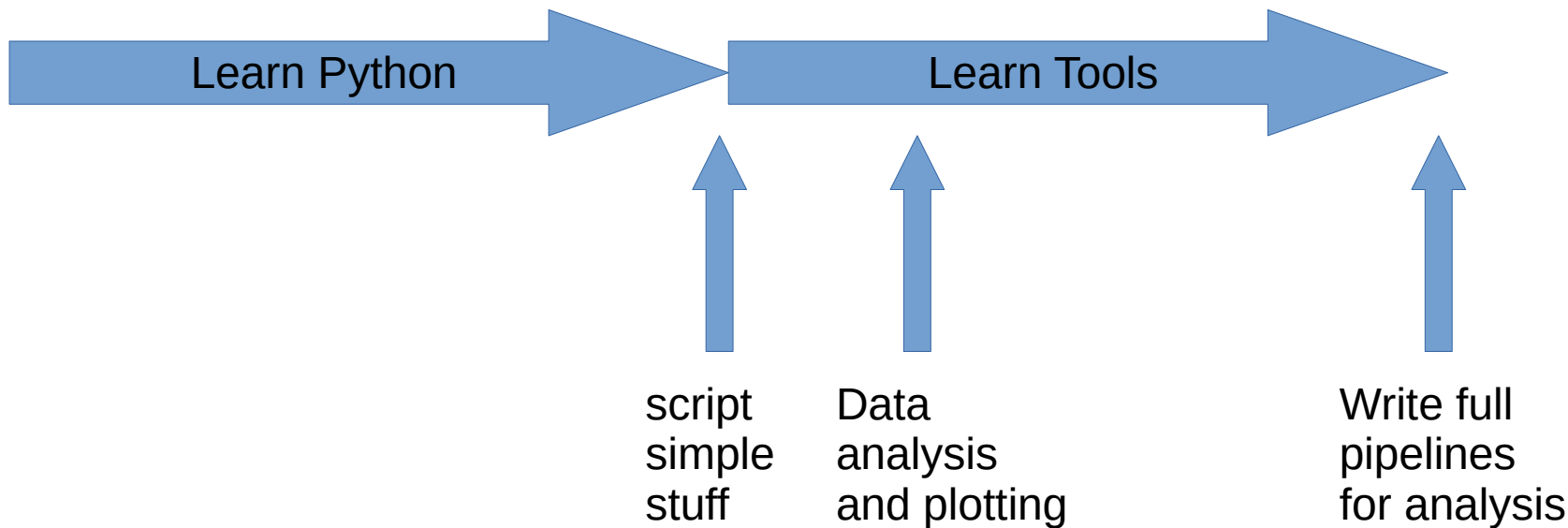




# Introduction

Hello world!

# What we plan to do





# Week 1

Day 1: Introduction, Simple Python

Day 2: Data types, Program logic, Loops & Control flow

Day 3: Functions, Code structure, Good code practice

Day 4: File handling

Day 5: Object-oriented programming, Recap, Practice day



# Week 2

Day 1: Basics Data Science: Jupyter, Pandas, Scipy

Day 2: Plotting: Matplotlib, Seaborn

Day 3: Biology: BLAST, Biopython

Day 4: Coding Practice!

Day 5: Best practices, Good code, Wrap-up



# Flexible speed

Some flexibility in the plans, depending on your speed.  
So no worries if we get behind or ahead!



# Final Project

Build a small scientific pipeline **of your choice**.

4 weeks from course end (effective work is ~1 week)

08.04. at 23:59 is the submission deadline



# Today's menu

- How your PC works (Background)
- Programming
- Using Python
- Calculations
- Strings
- Some easy exercises

# Acknowledgements

This guy started it all :)

Thank you Roland  
Sauter!

