Tuesday Workshops

**Introduction to Python**

Introduction to Python will focus on scientific computing, data science and machine learning. More precisely, the class will cover:

- Python basics (variables, if/else, loops, functions)
- Numpy and Pandas
- Scipy and Scikit-learn

The class is designed for people with some experience programming, but no experience in Python. We will introduce each topic enough so that you can quickly start using Python for your own problems knowing what tools are most appropriate. The workshop will be interactive with many examples (that the participants can play with during the session).

**Prerequisites:** Basic programming knowledge (variables, if/else, loops, and function) with a language other than Python is required.

**About the Instructor:** Leopold Cambier is a 5th year PhD student in ICME. He currently works with Professor Eric Darve on fast algorithms for linear systems and parallel runtime systems. He also did multiple summer internship, working on Cudnn and Cublas at Nvidia as well as doing machine learning research at Intel. Leopold obtained his Bachelor’s degree in Engineering and a Master’s degree in Mathematical Engineering from Université Catholique de Louvain in Belgium. More info at https://web.stanford.edu/~lcambier/