**CPCZurich2021 Practical Tutorial B – Active Inference**

**Installation Guide**

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For the Active Inference tutorial, we will be live-coding an active inference simulation together in [Google Colab](https://colab.research.google.com/notebooks/intro.ipynb), a web-based platform where users can run Python code in an interactive, notebook-style environment. You can think of Colab Notebooks as [Jupyter notebooks](https://jupyter-notebook.readthedocs.io/en/stable/) that are saved on Google Drive.

Because everything in Google Colab is cloud-based, **you don’t need to install anything (even Python) locally** – the only requirement to use Google Colab is that you have a Google account and are logged into it.

We will be live-coding as a group, starting with the following Colab notebooks:

**CPC2021 – Active Inference Live Coding, Part I**

<https://colab.research.google.com/drive/1e7ED4F_GtpxmbK6RaaI65LxqfEqsE0RD?usp=sharing>

**CPC2021 – Active Inference Live Coding, Part II**

<https://colab.research.google.com/drive/1et8-nitvAjaweMax51E5iNGhsQVfagsr?usp=sharing>

Please open the Colab notebooks given by the links above (start with **Part I**), and then save your own copy of the notebook via “File 🡪 Save a Copy in Drive” (see screenshot below). Once you make a copy of the notebook, you can run and edit code in your own version as we write and run code blocks together. This will allow you to follow along at your own pace and explore the code in your own way, as I lead the overall direction of the coding session.

Graphical user interface, application

Description automatically generated

Well done! You’re all set up for the Practical Tutorial session – you can now start running and editing code blocks in your personal copy of the tutorial notebooks and following along as we live-code ☺. During the tutorial, we will live-code **Part I** together during the first session, and **Part II** during the second session.

If you have trouble getting to this point before the Practical Tutorial Session, please consult the **#tutorial-helpdesk channel on Slack**. You will be given access to the CPC Slack workspace at the beginning of the course. Check if anyone has had the same issue and has managed to solve it and how. If no one else has encountered the same problem, post your question. **Inês** will be monitoring the channel and providing support. In addition, given the volume of attendees this year, we would be really grateful if you could assist us by answering queries on Slack yourself if you come across a problem you know and have solved.

For those who need more personalized help, Inês will be offering support hours. More information on the exact time will follow.