

Dear all,

my name is Jonas Peters and I am one of the lecturers at the CUSO winter school.

Most of the material for my part of the course is covered in our book, which is available as open access on <https://mitpress.mit.edu/books/elements-causal-inference> (from there, you can download the pdf). You may have a look at it before the tutorial, but that is not necessary.

Also, together with Niklas Pfister, I have developed some jupyter notebooks that we are going to work on during the course. Therefore, please bring a laptop (working in small groups is fine, too). Please try to follow the instructions below, s.t. you can run `setupNotebook.ipynb`. If that fails (a couple of computers usually have problems), it fully suffices if you can get `setupNotebook.r` to run in R and use the pdfs.

I am looking forward to meet all of you in Les Diablerets!

Best,
Jonas.

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Infos on jupyter notebooks

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We have prepared some jupyter notebooks for you, which you will be able to work on during the session. We would therefore encourage you to install jupyter with an R kernel on your laptop (see below). Please try to get things working before the winter school but if there are persistent problems, it suffices to (a) find a colleague who has a running version of jupyter or to (b) use R together with the pdf-versions of the notebooks.

1. For installing anaconda, I am using
<http://docs.anaconda.com/anaconda/install/linux/>
and
<https://irkernel.github.io/installation/#linux-panel>

The sites also contain relevant links if you use Windows or Mac.

Installing anaconda requires a lot of disk space and there are more minimalistic options, too.

2. Please download the notebooks here:
http://web.math.ku.dk/~peters/jonas_files/2019-01-23-causal-notebooks.zip
(Please let me know if you believe that I forgot to add a file.)

3. Once you have a running version of jupyter, start it, e.g., by using jupyter notebook in your terminal. You can then check if everything is correctly set up by running `setupNotebook.ipynb` notebook (use the R kernel). This also tells you which additional R packages you need to install.

If steps 1.-3. fail, run `setupNotebook.r` in R.

4. Remind yourself on some R syntax:
<https://www.rstudio.com/resources/cheatsheets/>