Reproducible Research using IPython interactive publications

Dear Participants,

First of all, thanks a lot for joining us in the workshop on "Reproducible Research using IPython interactive publications". We are looking forward to see you and hopefully have a productive workshop together.

As you already know, the workshop is going to showcase how IPython Notebooks can be used to make our research easier to reproduce. As such, it is necessary that you have IPython installed. If you already have done that, great! If not, please make sure you install IPython before the workshop (this requires python to be installed. We will use python 2.7 to be more accurate). You can find some instructions on how to do it here.

We will also use Github as a tool to share the code and our IPython notebooks with our colleagues. If you are not familiar with Github, we have prepared a short introduction that should be sufficient for our needs in the workshop. Please check it out before the workshop.

We will show you how you can transform the results in your paper as well as your code into an IPython Notebook that can be elegantly shared over Github. We have created a sample paper to make "reproducible" which is attached (but you can also bring your paper and try to work on it and share that over Github if you prefer).

So to summarize, before the workshop please

- Install IPython (instructions here)
- Create a Github repository for your sample paper (instructions here)
- Upload ("push") the attached paper [or any of your papers] to the repository created above (the end result should be similar to this).
- [optional] Download the course material [instructions here] and start ahead by experimenting with notebook examples provided here. Note: the course material will probably be gradually updated in the upcoming days. So in case you download the material in the upcoming days, make sure that what you have is up-to-date once again in days before the workshop.

In case you had any trouble in the above steps or ANY questions or suggestions regarding the workshop, logistics, IPython, etc. please do not hesitate to contact us [Robin robin.scheibler@epfl.ch or Hesam hesam.salavati@epfl.ch]. We will be happy to help :) 

Looking forward to seeing you
All the best.

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