

Climate Informatics 2020 Hackathon - How to start

Author: Redouane Lguensat

September 30, 2020

1 Google Colab

Mount Google Drive

These instructions will help you mount Google Drive to use Google Colab for the challenge.

1. Download the starting kit from the competition page
2. Go to your Google Drive page <https://drive.google.com/drive/my-drive> then create a new folder and name it **DataChallengeCI2020**
3. In the folder, upload the following files:
 - From the starting kit to your new folder: `ci.png`, `X_test_CI20_phase2.npy`, `StartingKit-CI2020-GoogleColab.ipynb`
 - From the following download links to your new folder (you can just click a Google Drive logo in the top to link the file in your own Gdrive without downloading it):
 - `Y_train_CI20.npy` <https://drive.google.com/file/d/1-B4PHcZrtZSzw0AtGGTXy31jy8apt4Zs/view>
 - `X_train_CI20.npy` https://drive.google.com/file/d/1-BFovmV0U9Cp5i_iyaAMYt6TuF_LLwmC/view
4. Open the `StartingKit-CI2020-GoogleColab.ipynb` notebook and set the kernel to Python 3
5. Run the first cell and click on the link that will appear, follow the instructions, and your G-Drive will be accessible from the colab notebook.

Setting the Free GPU

Go to "Edit" → "Notebook settings" or "Runtime" → "Change runtime type" and select GPU as Hardware accelerator.

Location of the submission zip file

If you followed successfully all the steps above, the notebook will generate the `Y_test_CI19_Phase2.predict` file in the folder **DataChallengeCI2020** you created in your G-Drive, you can then download the file to your computer, **zip it** then submit it to the Codalab platform.

Good luck!

Please do not hesitate to ask help from the hackathon chairs if you find difficulties with a particular step.

2 Standard Jupyter notebook

Please follow the same instructions as for the previous section, you only need to delete the first two cells related to the use of Google Colaboratory. You can then use the notebook as usual in your local machine. Please do not forget to change the names of the paths when loading or saving files.

Good luck!

Please do not hesitate to ask help from the hackathon chairs if you find difficulties with a particular step.