

GoogleColabTutorial

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0.1 I recommend you all to start with [Google Colab](#) to access the class materials and play with the code

Google Colab is a free, cloud-based platform that allows users to write, execute, and share Python code, particularly useful for machine learning and data science, directly within their web browser. 1. First you need a google account 2. Then you need to open the JupyterNotebooks from Github, the easiest way is to go **File -> Open Notebook -> GitHub** -> enter <https://github.com/ShuwenTan-PO/MARN-3060> 3. You may make a copy of the JupyterNotebook by go **File -> Save a copy in Drive** 4. Your copy will be in your Drive under Drive/Colab Notebooks 5. You will need to select the lines in the first two cells in your jupyternotebook example and uncomment them. To do so, press **Ctrl + /** (Windows/Linux) or **Cmd + /** (Mac) (same command to comment the code). In Lecture01.ipynb the first two cell will be like below

```
[3]: # %%capture

# # Install necessary packages and restart the kernel.
# !pip install netcdf4
# !pip install xarray
# !pip install ipympl
# # resetart kernel
# import IPython
# IPython.Application.instance().kernel.do_shutdown(True) #automatically
↳ restarts kernel

[4]: # # to enable the jupyter widgets so that you can plot interactive figures
# from google.colab import output
# output.enable_custom_widget_manager()
```