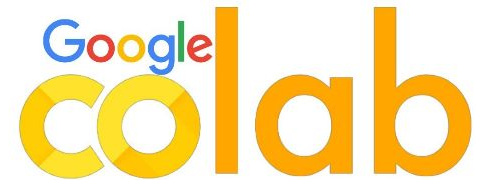


Bochum Urban Climate Summer School 2022

Google Colab Introductory

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- Official welcome page: https://colab.research.google.com/notebooks/intro.ipynb#scrollTo=5fCEDCU_qrC0
- A get started video on youtube: <https://www.youtube.com/watch?v=inN8seMm7UI>

In short, Colab is a product from Google Research, and provides a **free Jupyter notebook environment** that runs entirely in the cloud

You can perform the following using Google Colab:

- Write and execute code in Python
- Document your code that supports mathematical equations
- Create/Upload/Share notebooks
- Import/Save notebooks from/to Google Drive
- Import/Publish notebooks from GitHub
- Import external datasets e.g. from Kaggle
- Integrate PyTorch, TensorFlow, Keras, OpenCV
- Free Cloud service with free GPU

- I have shared a folder *BUCSS22/* with all of your gmail addresses
- Make sure you
 - 1) accept this share, and
 - 2) add this shared folder to your drive.
- Folder structure:
 - **DATA_SHARE**: all required datasets (WRF I/O, Netatmo, ...)
 - **YOUR_NAME**: your personal working directory that contains:
 - *notebooks/*
 - *output/*
 - *figures/*



Make sure to only work in your personal directory