MLHEP Computing Resources

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NRU HSE

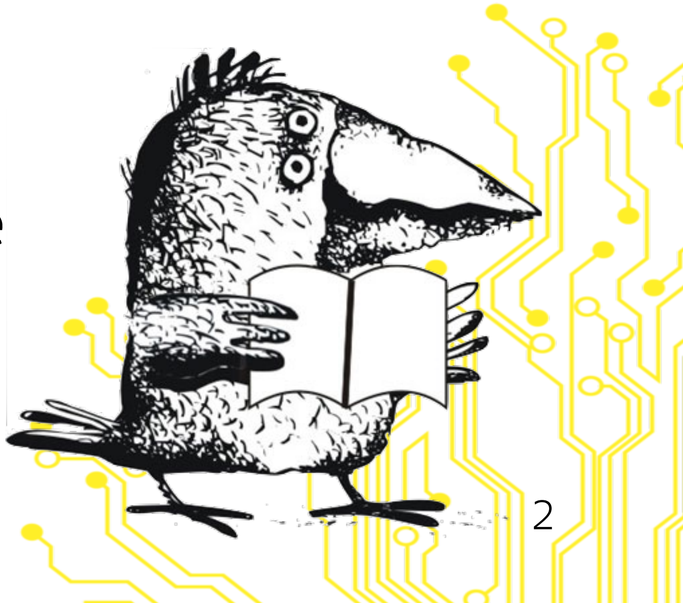
YSDA

ICL

School dedicated resources

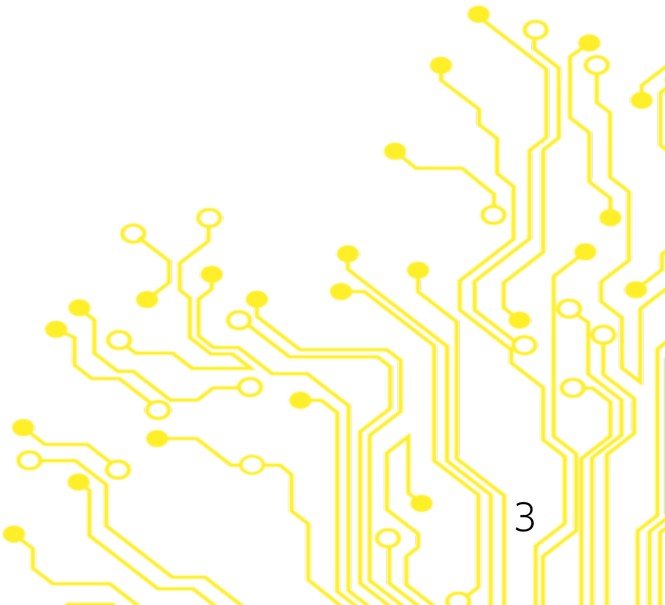
Microsoft + HSE: <URL from registration> + credentials

- Tesla K80 GPU x 4 on each node!
- 224GB RAM
- 24 CPU cores
- Python3
- Up to 6 users per node
- Env `CUDA_VISIBLE_DEVICES` – specifies your GPU core



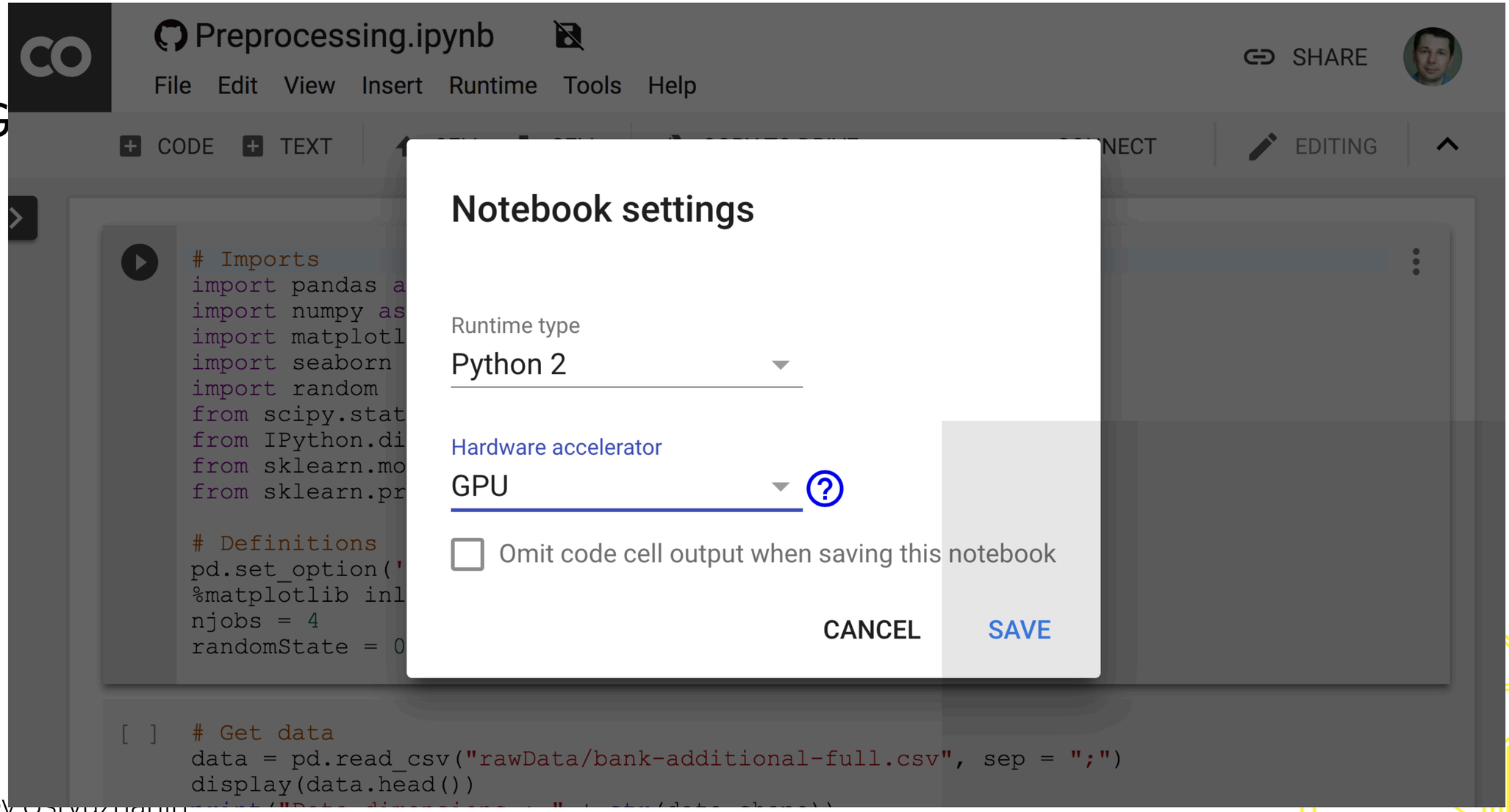
Free Resources

- Google: https://colab.research.google.com
  - Tesla K80 GPU
  - 12GB RAM
  - 2 CPU
  - Python2/3
  - Integrates with Google Drive
  - May be crowded



Free Resources

- G



Cheatsheet

Jupyter

- https://www.cheatography.com/weidadeyue/cheat-sheets/jupyter-notebook/ - jupyter keyboard
- !<command> - run command in shell

Packages

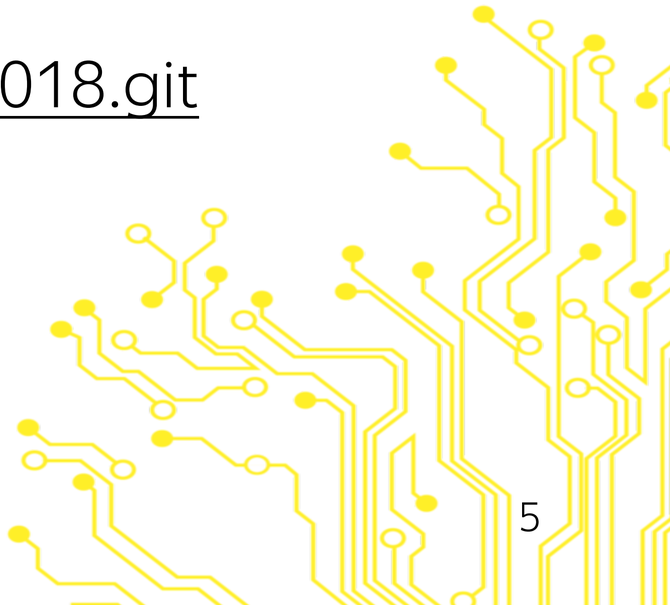
- !pip install --user <package>
- !git clone <REPO>
- !git clone https://github.com/yandexdataschool/mlhep2018.git

Data

- !wget -O <filename> <URL>

GPU

- !nvidia-smi



SSH access

Good for batch process running
Authorized by public key

- Either you have sent it to us already or
- !echo “YOURKEY” > ~/.ssh/authorized_keys