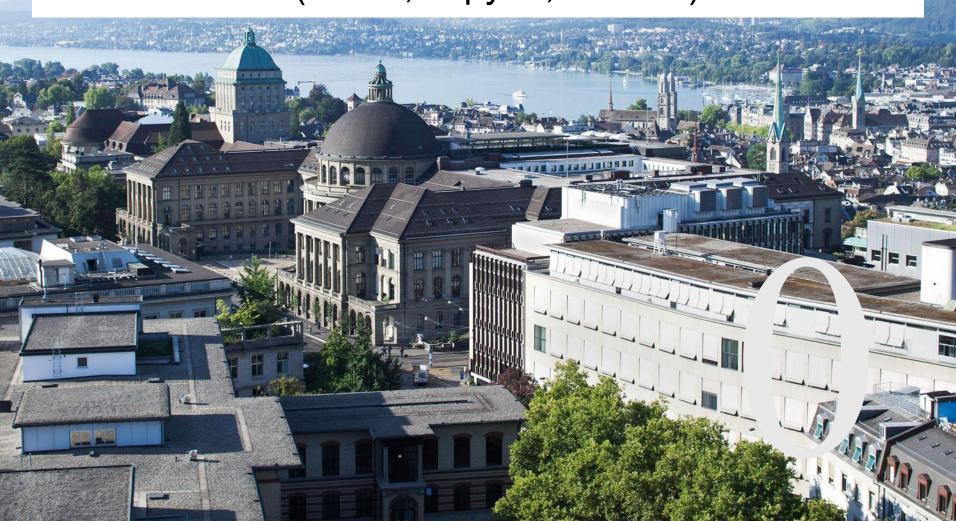


**Ghislain Fourny** 

# **Big Data For Engineers Exercises**

0. Introduction (Azure, Jupyter, Moodle)





#### **Exercise Format**

#### Week Nr. X

- Lecture on X on Tuesday
- Exercises on Wednesday & Friday
  - Introduce exercise sheet for X-1
    - Get started with new technology
    - Discuss tips for exercises
  - Discuss solution of exercise sheet for X-2
- At home
  - Solve the rest of exercises for X-1
  - Read up on topics for X



#### **Graded exercises**

- Published on Moodle
- Up to 0.25 improvement of the exam grade
- Roughly 2 bonus questions à 0.01 per week
- Answer them on moodle
- Published at the same time as exercise sheets
- Deadline on Wednesday 12:00 one week later



# Plan for this week: Get Started with Azure, Jupyter, and Moodle

Moodle (for graded exercises):

https://moodle-app2.let.ethz.ch/enrol/index.php?id=12414

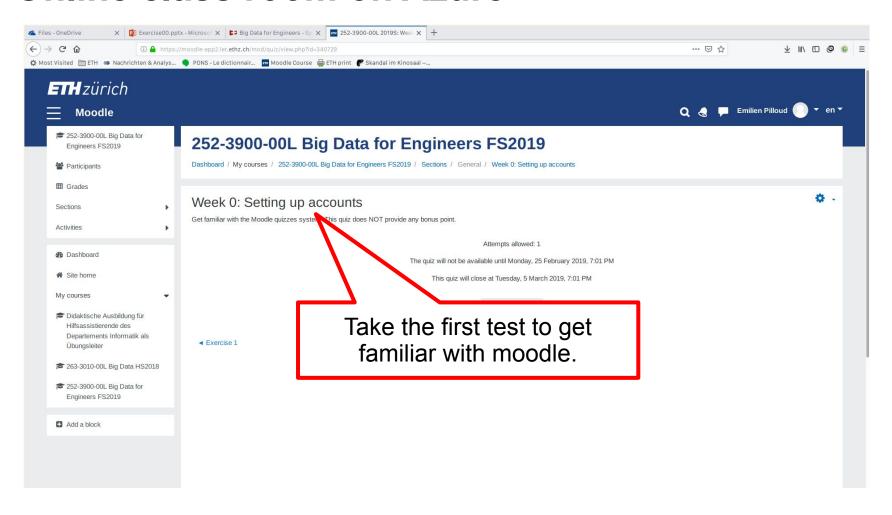
Online class room on Azure (with cloud credit):

- Enroll under <a href="https://aka.ms/JoinEdu">https://aka.ms/JoinEdu</a>, enter the code from moodle
- Access the course under https://aka.ms/startedu

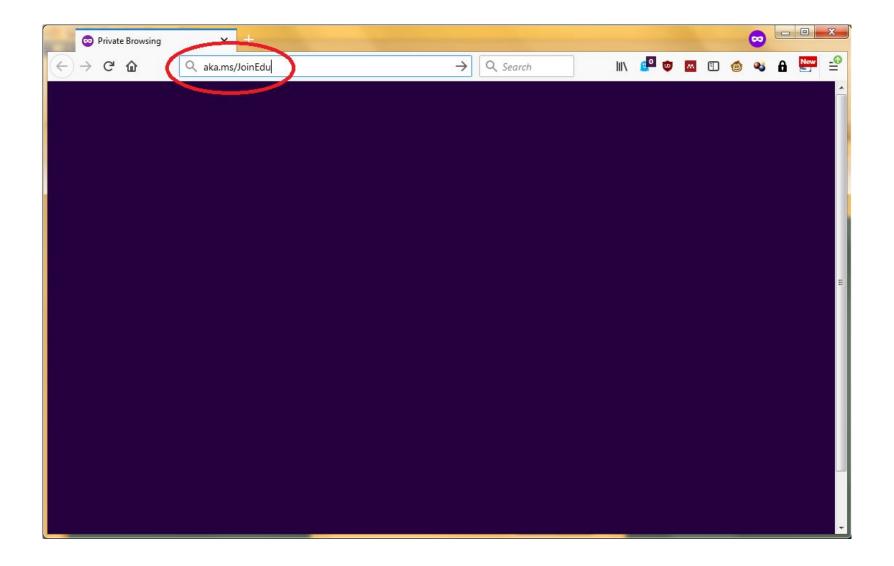
## Try to do it alone, come to the exercise for help

There will be one slot on Friday (check web site)

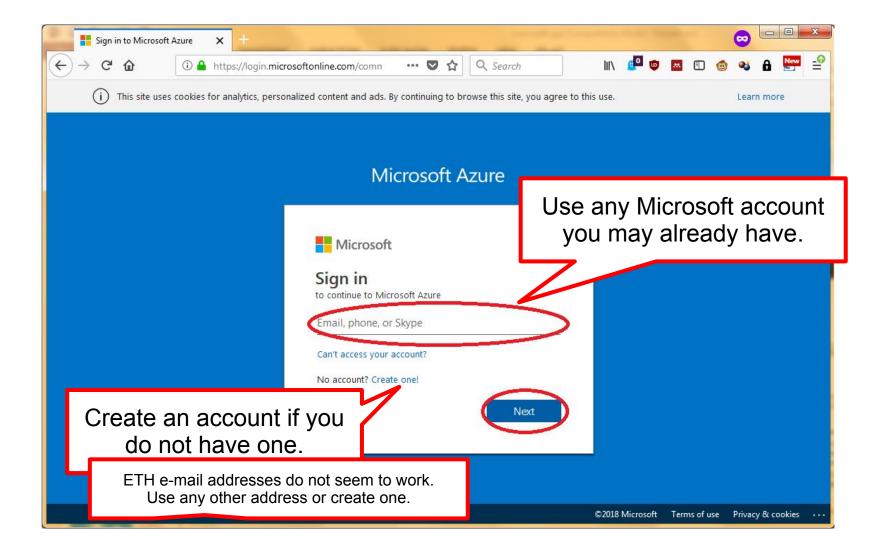




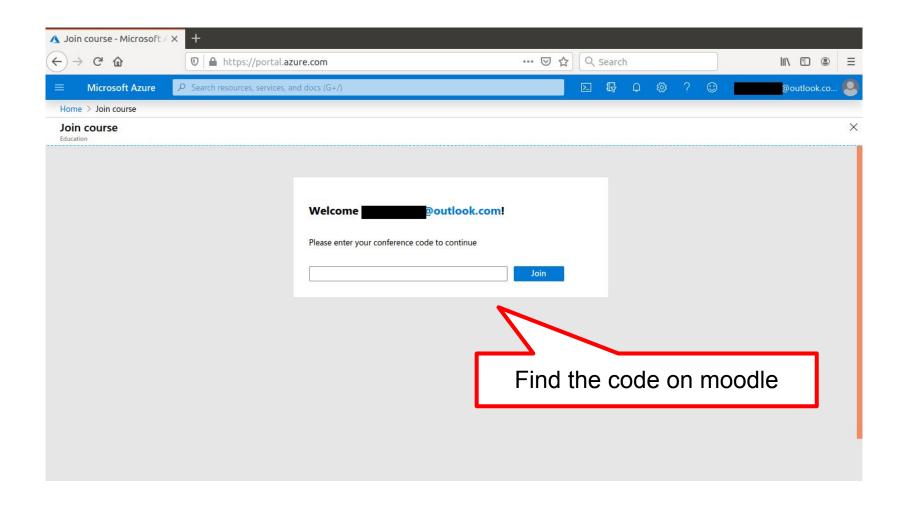




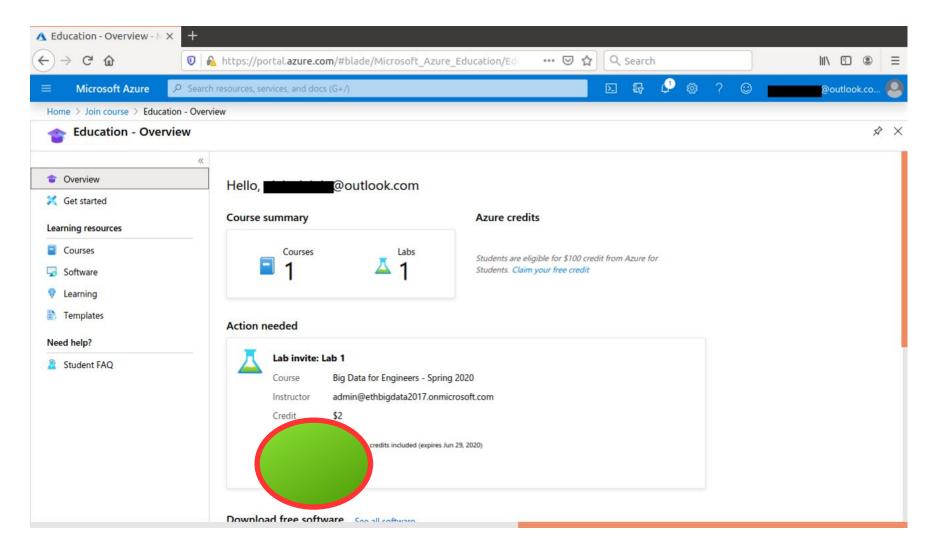




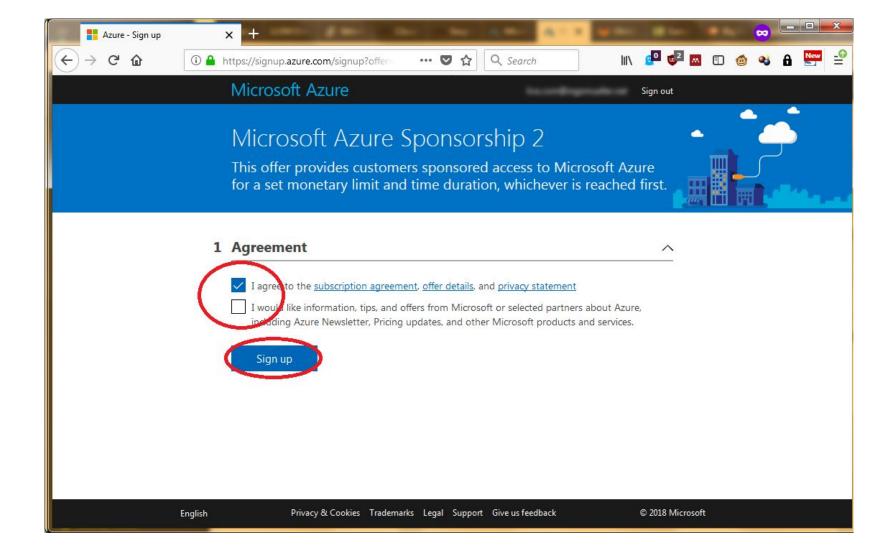




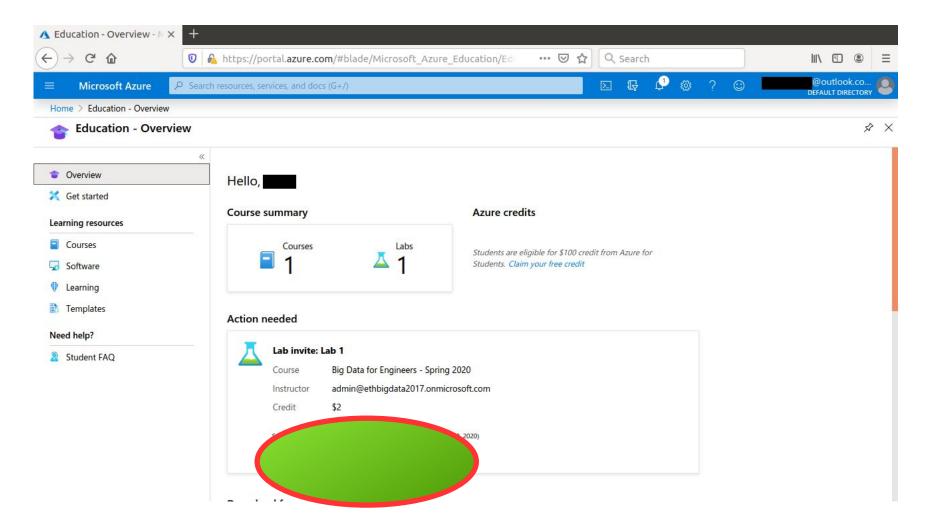




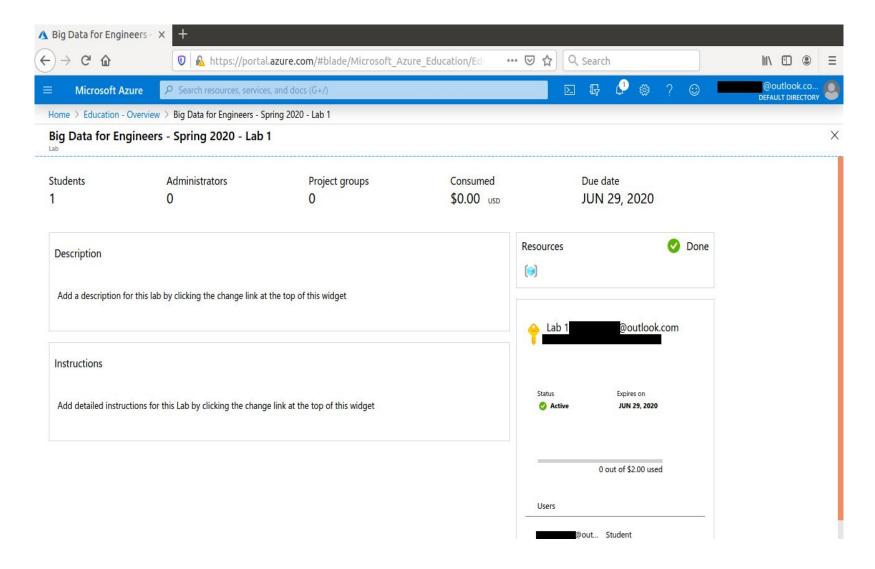












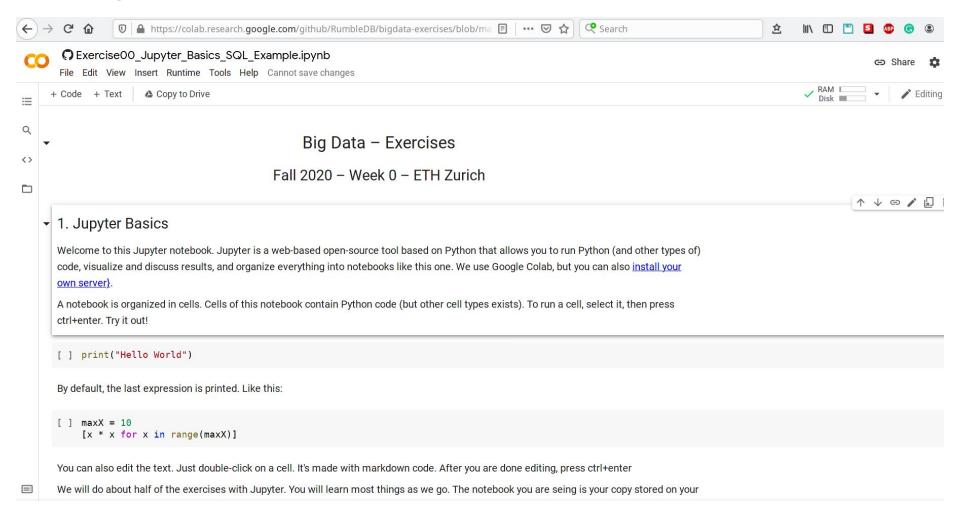


#### Workflow

- Every week we will release a Lab, which will just contain the credits, necessary to complete the task
- You will be instructed, how to create necessary resources in each assignment, you can then use a Lab as a subscription to pay for the used resources.
- You don't need to spend credits in the first week
- You will execute your Jupyter notebooks in the Google Collab service, we will provide you with the link to the notebook each week



### **Jupyter**





# **Jupyter**

Execute cells with ctrl+enter (shift+enter also works)