ETH zürich

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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

- 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 Tuesday night 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 https://aka.ms/JoinEdu, enter the code from moodle
- Access the course under https://aka.ms/startedu

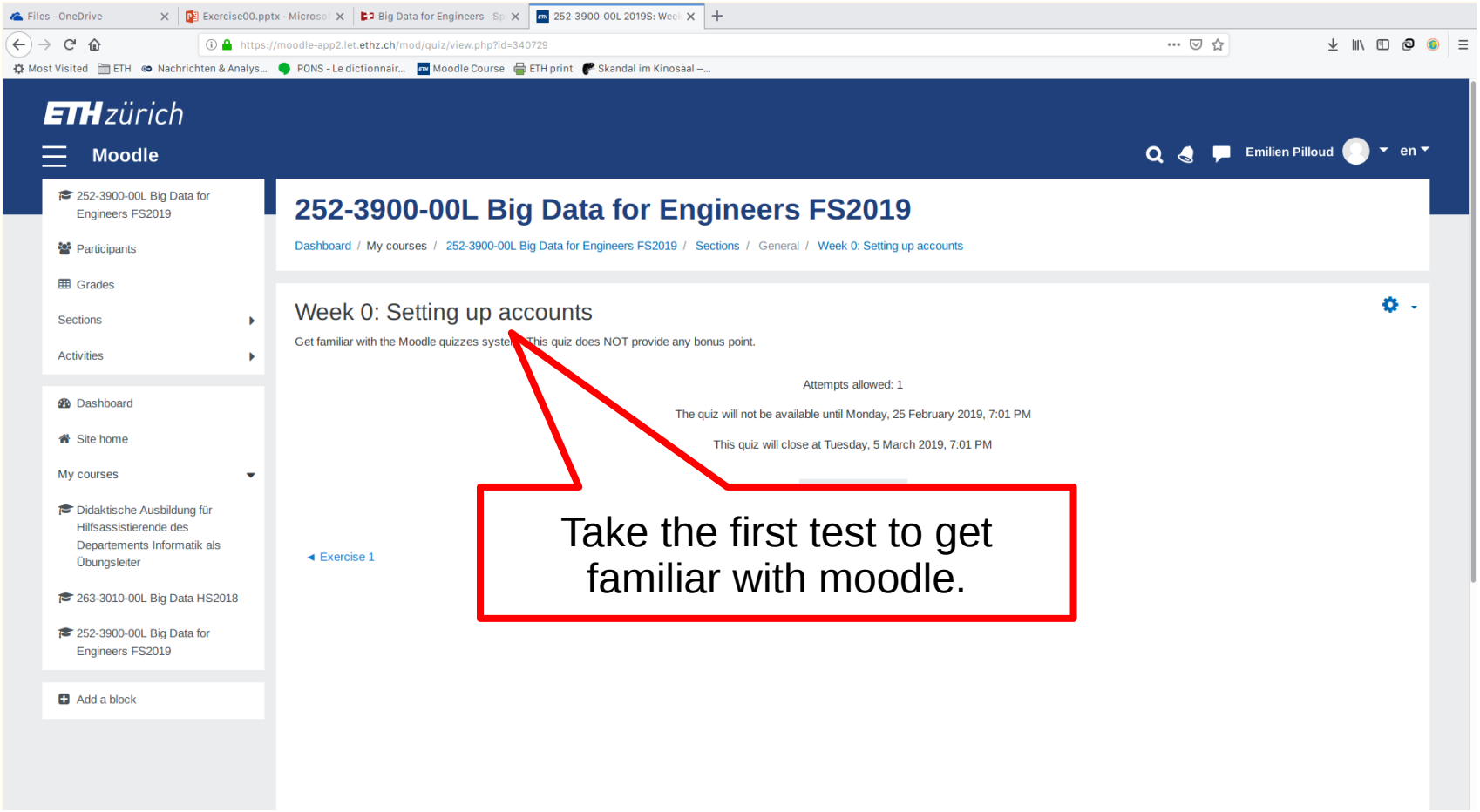
Microsoft's notebook server:

https://notebooks.azure.com/

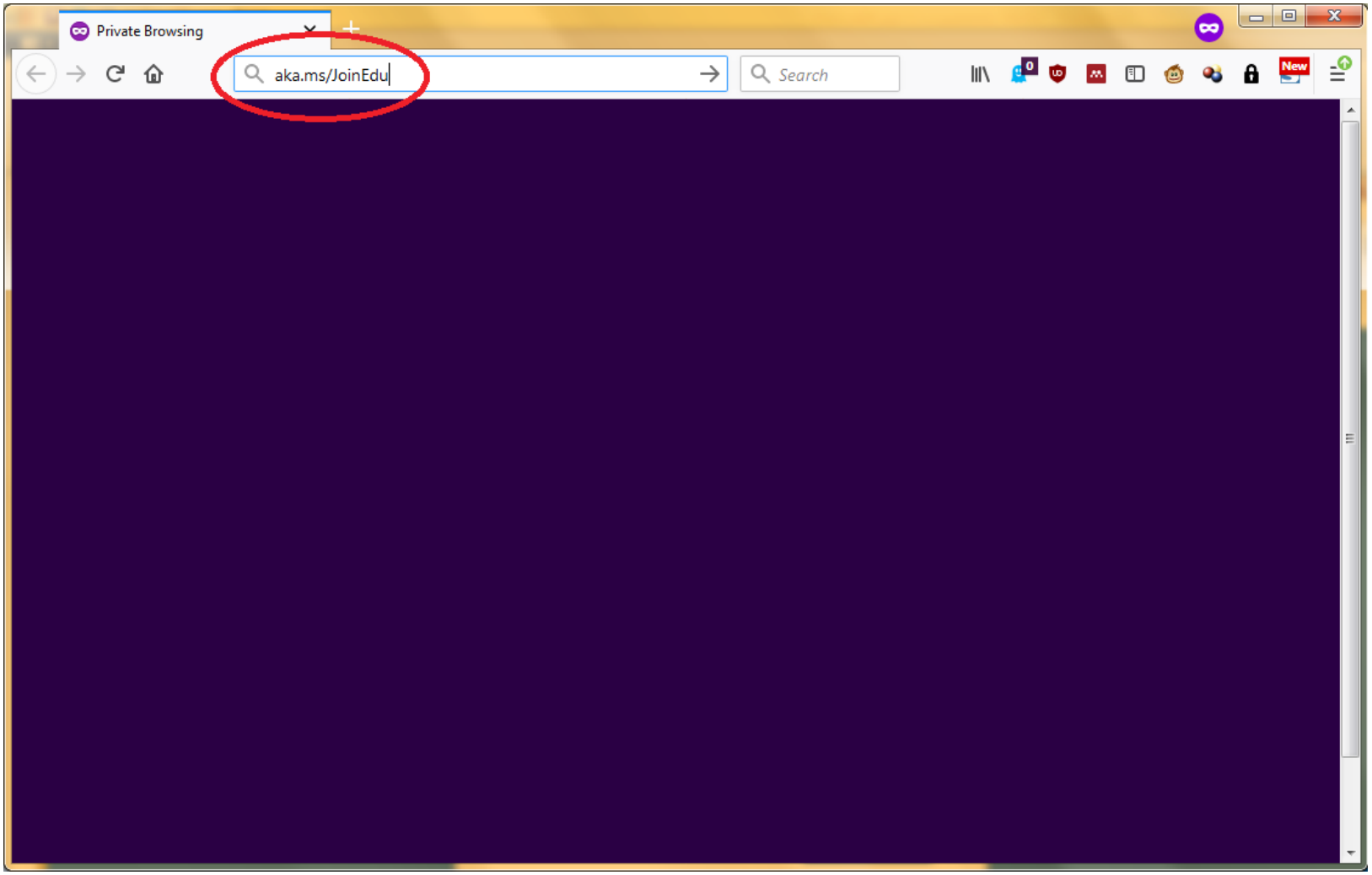
Try to do it alone, come to the exercise for help

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

Online class room on Azure



Online class room on Azure



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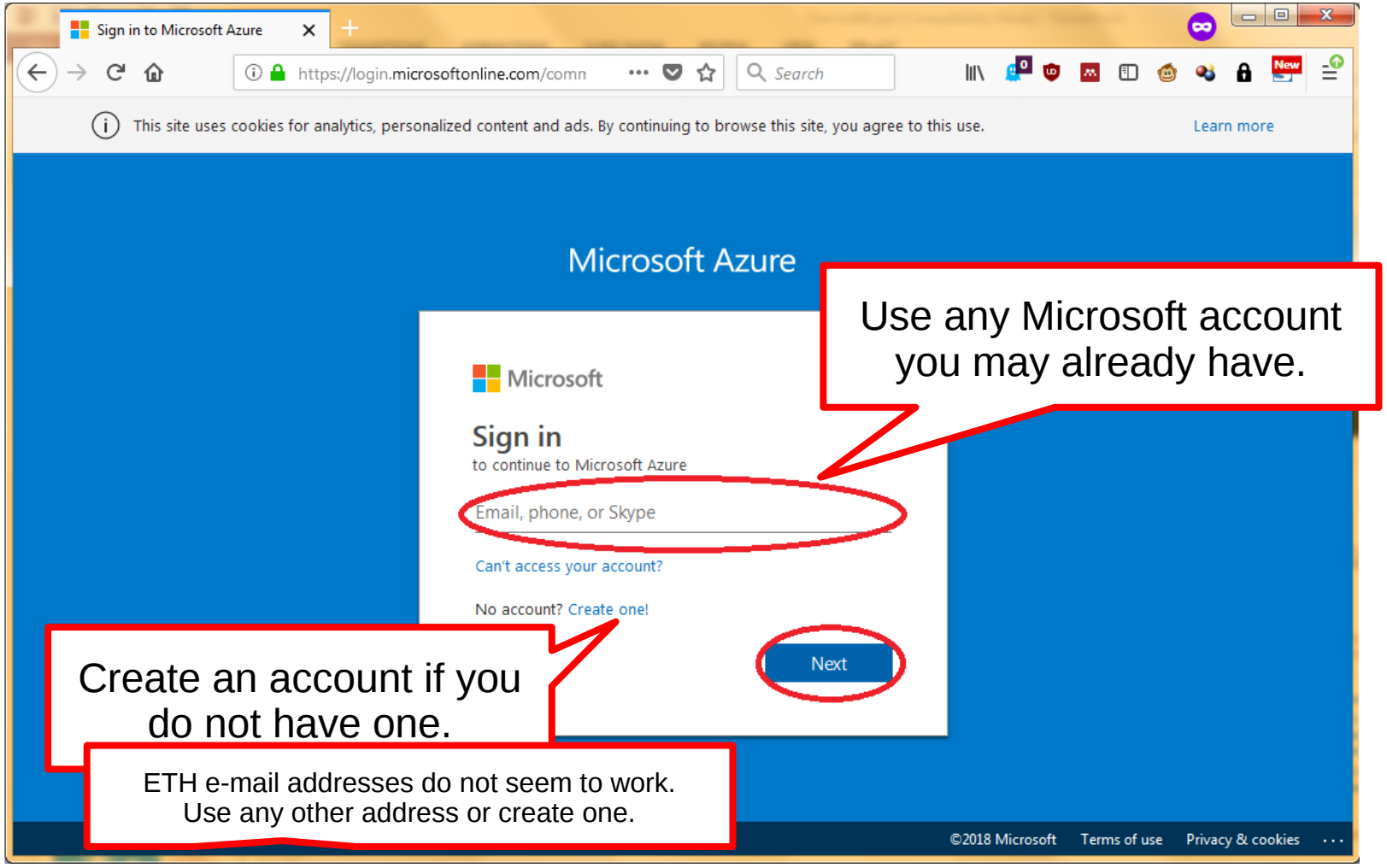

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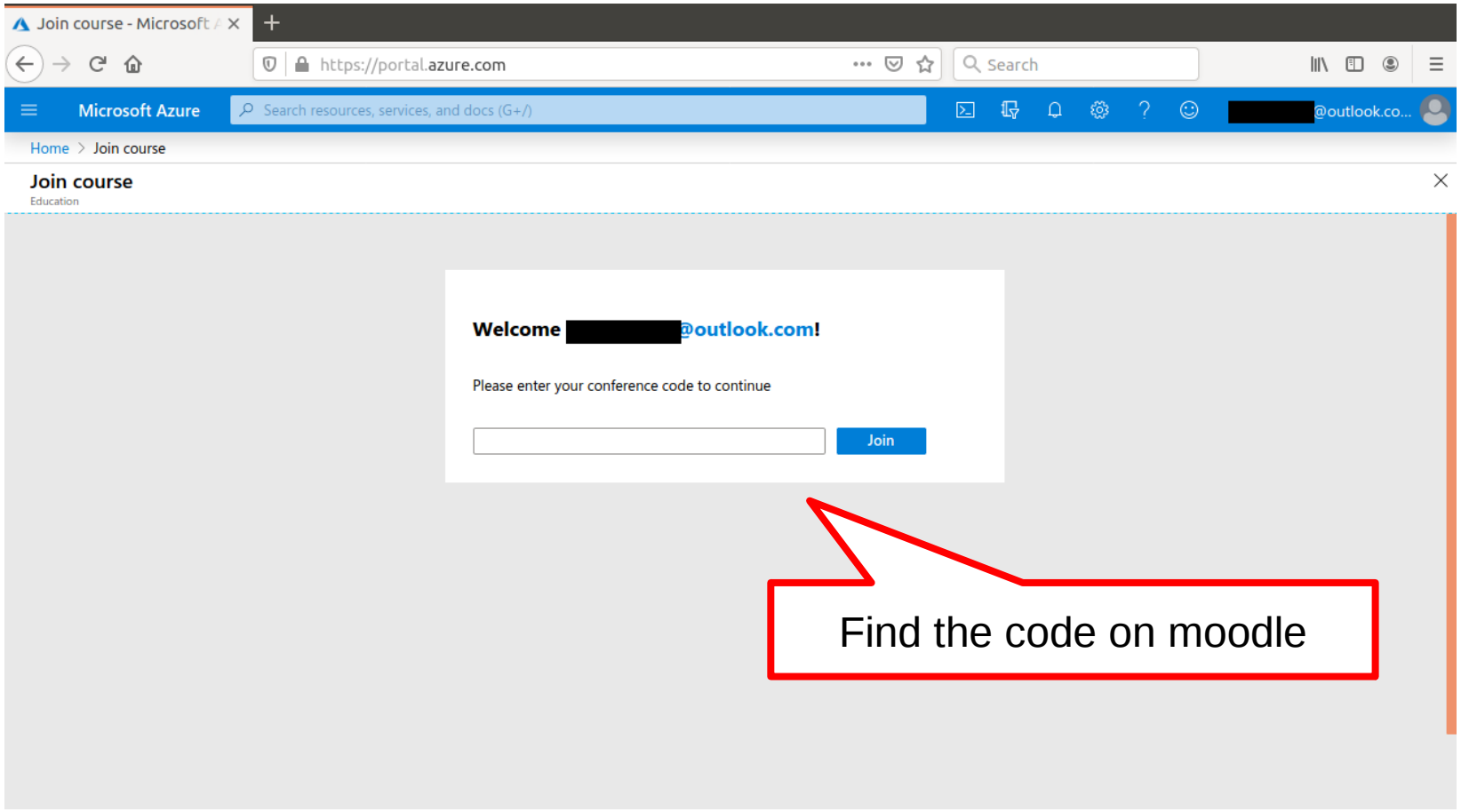

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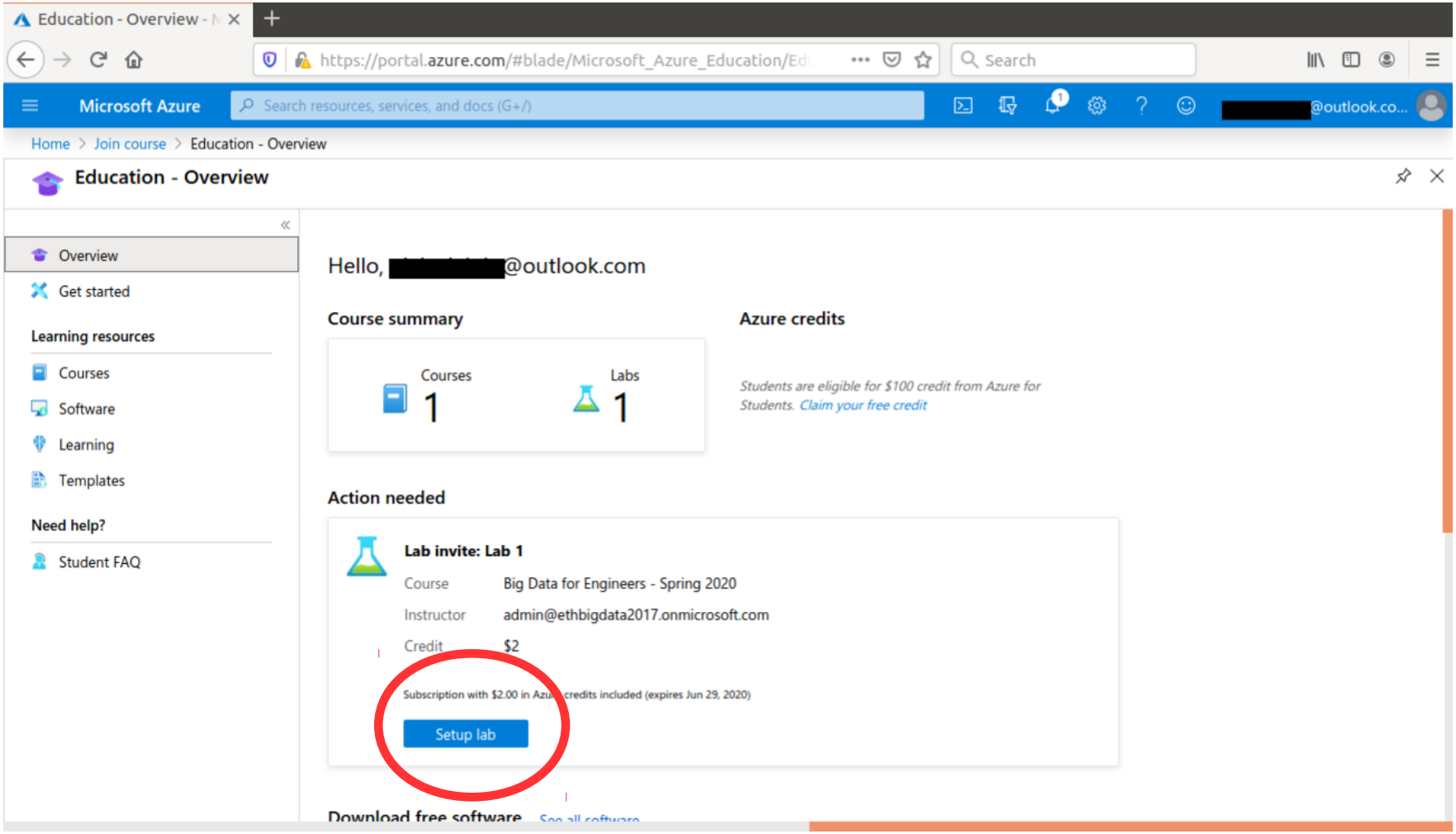

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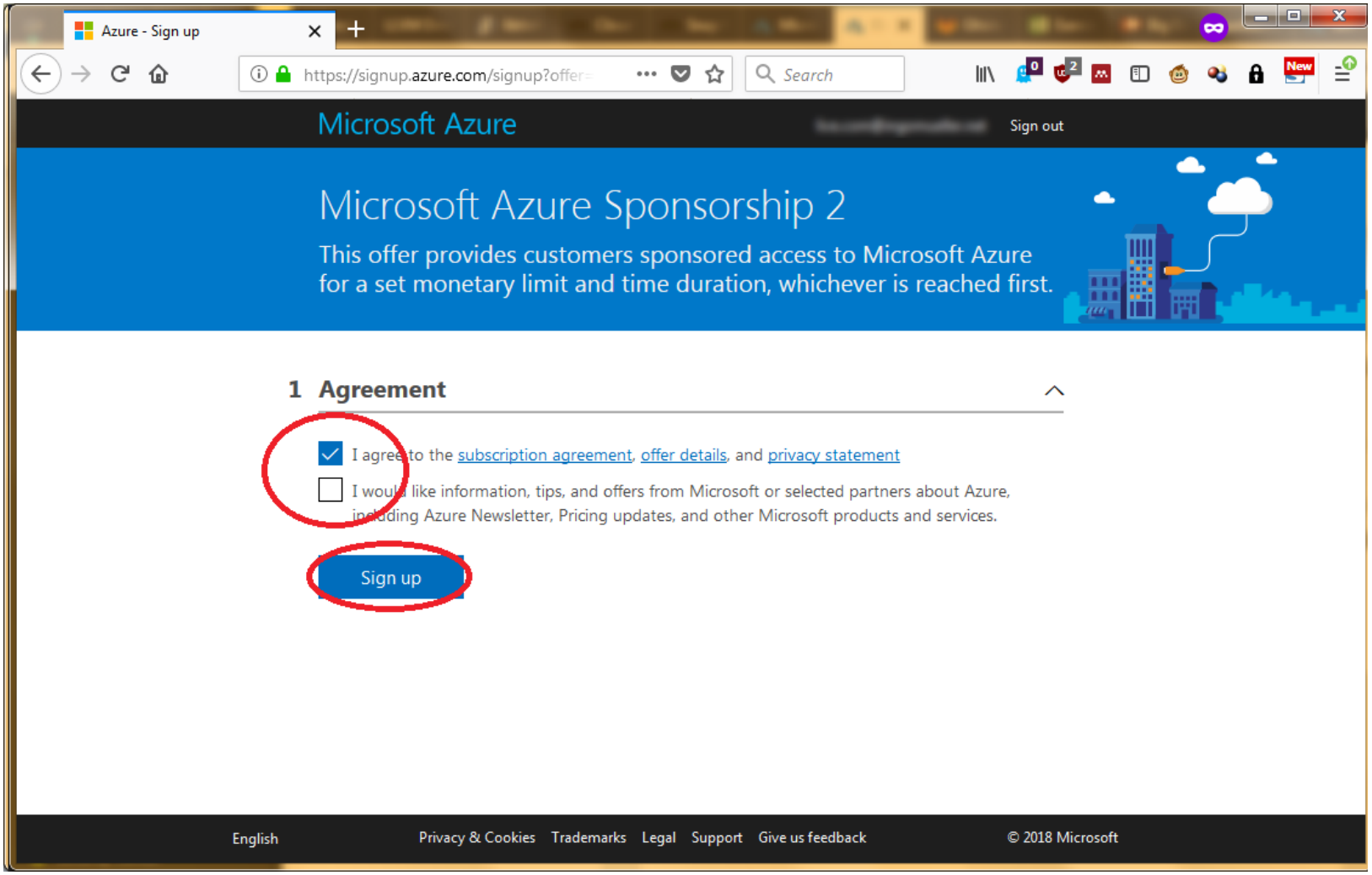

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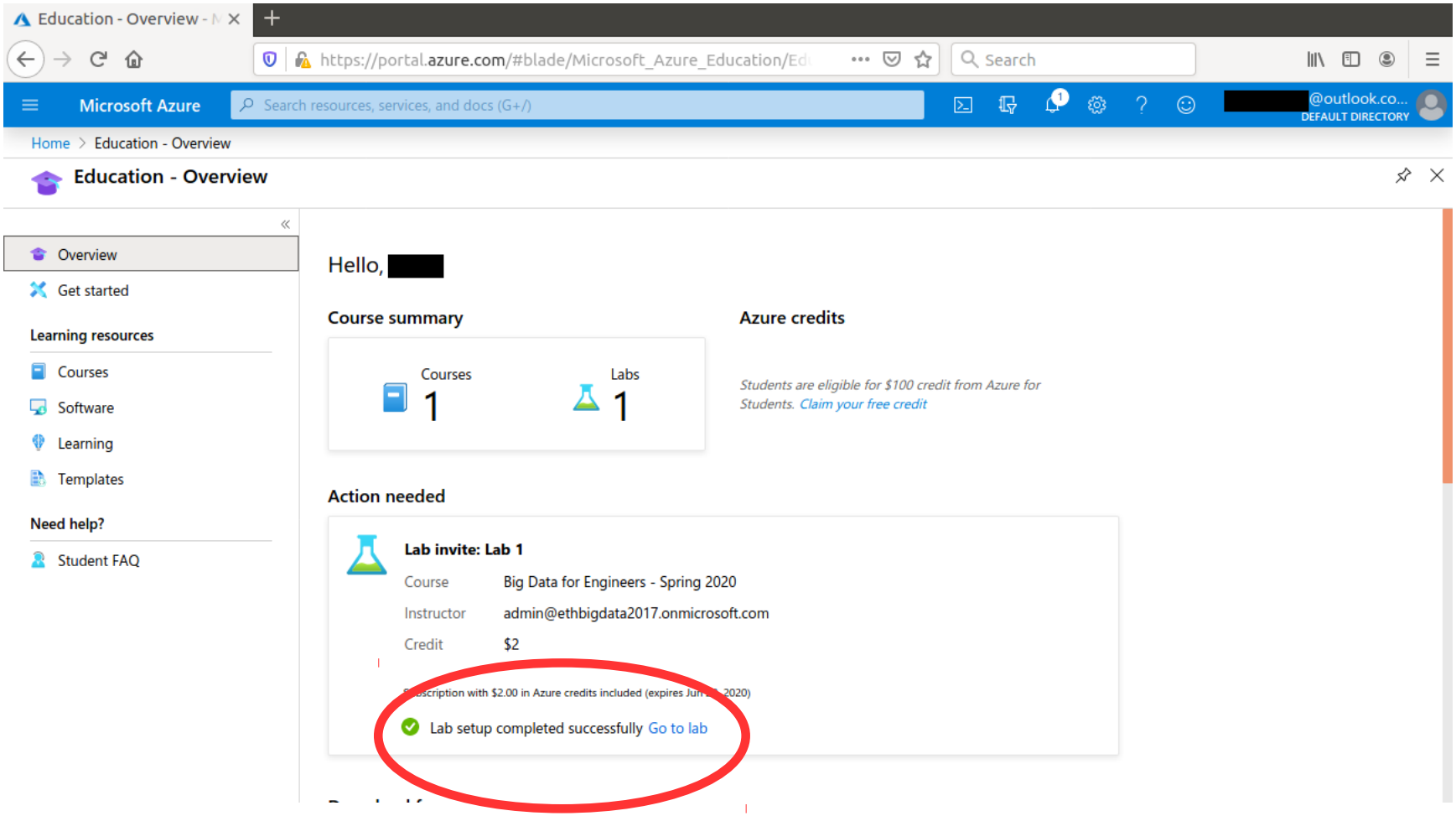

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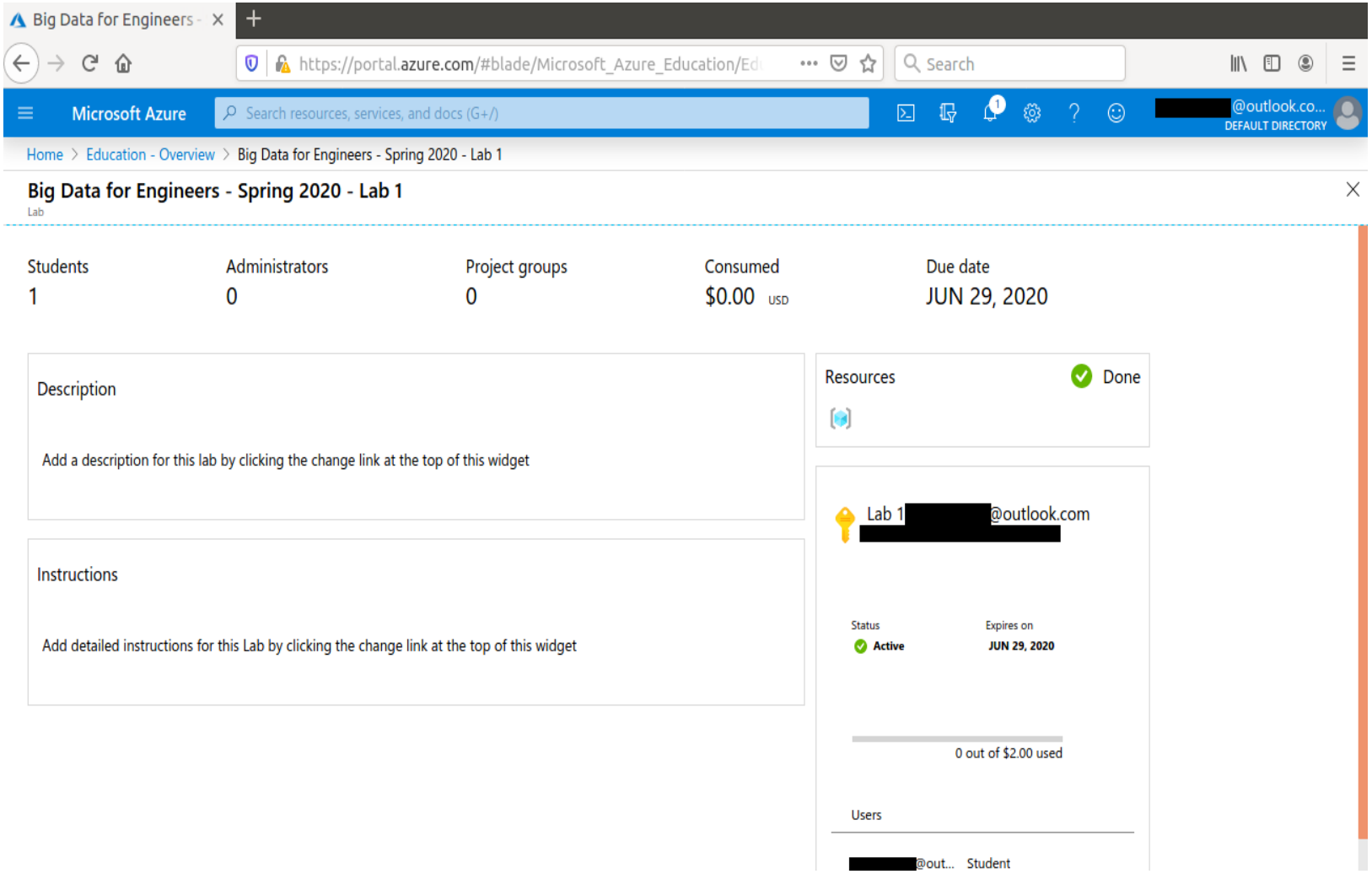
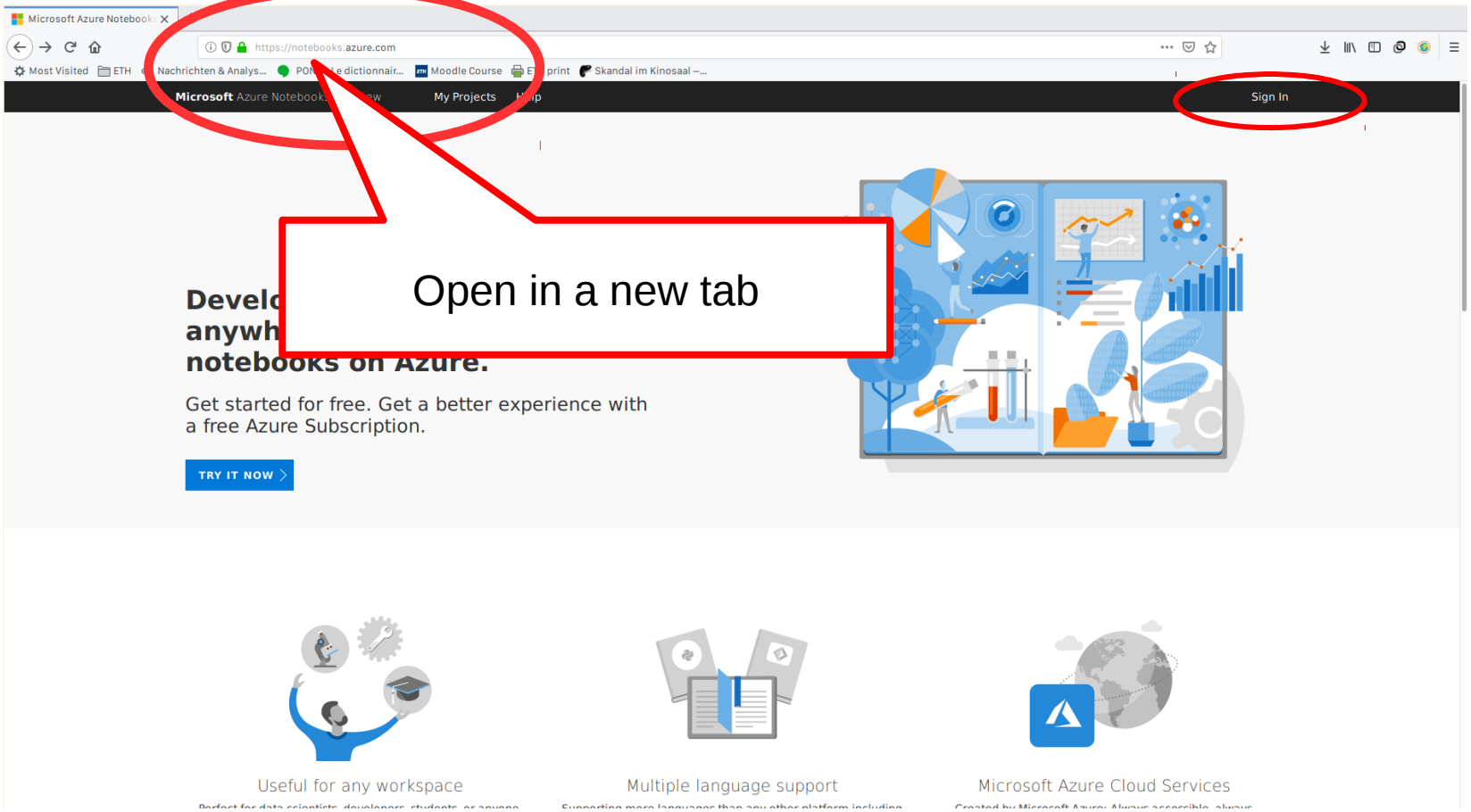
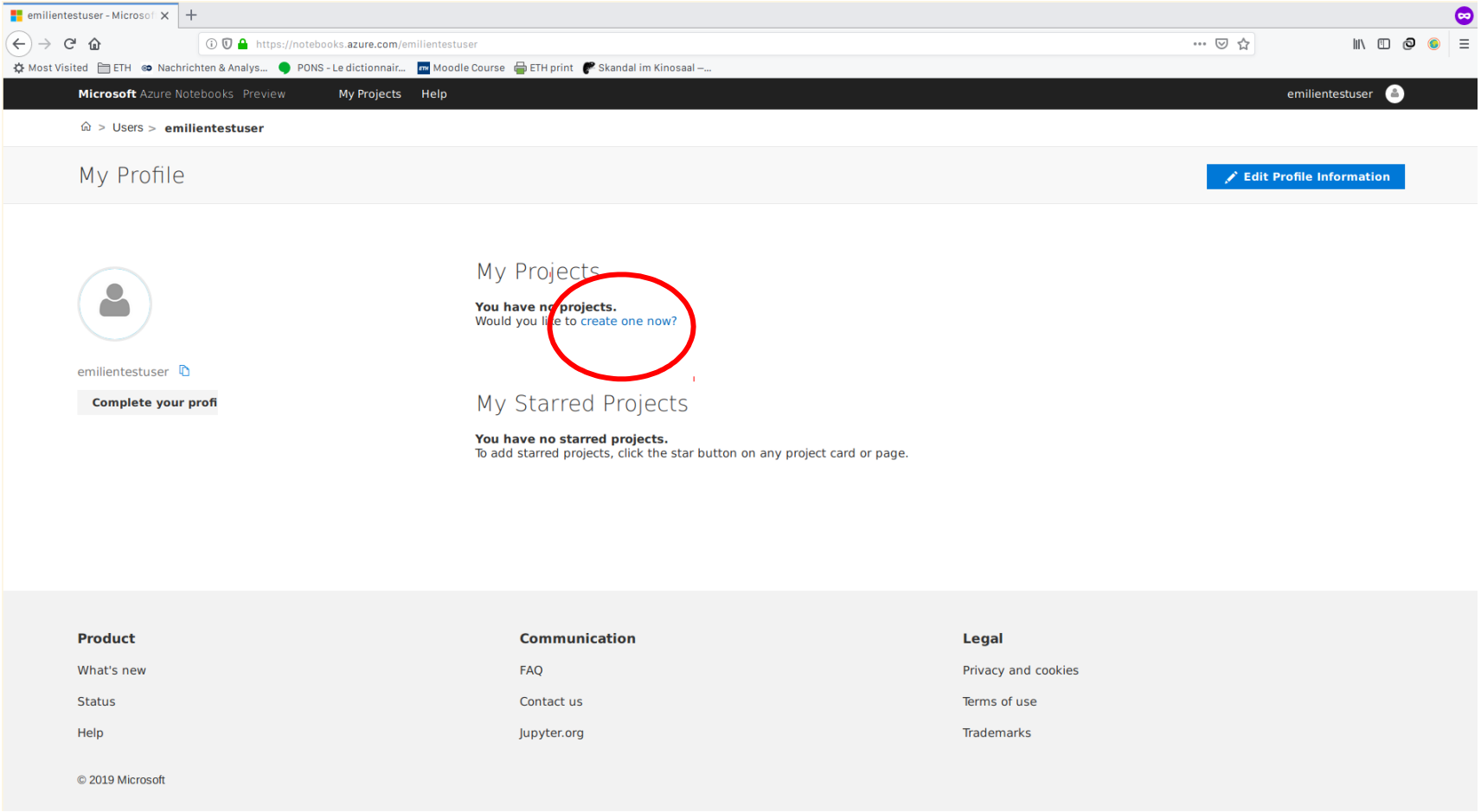
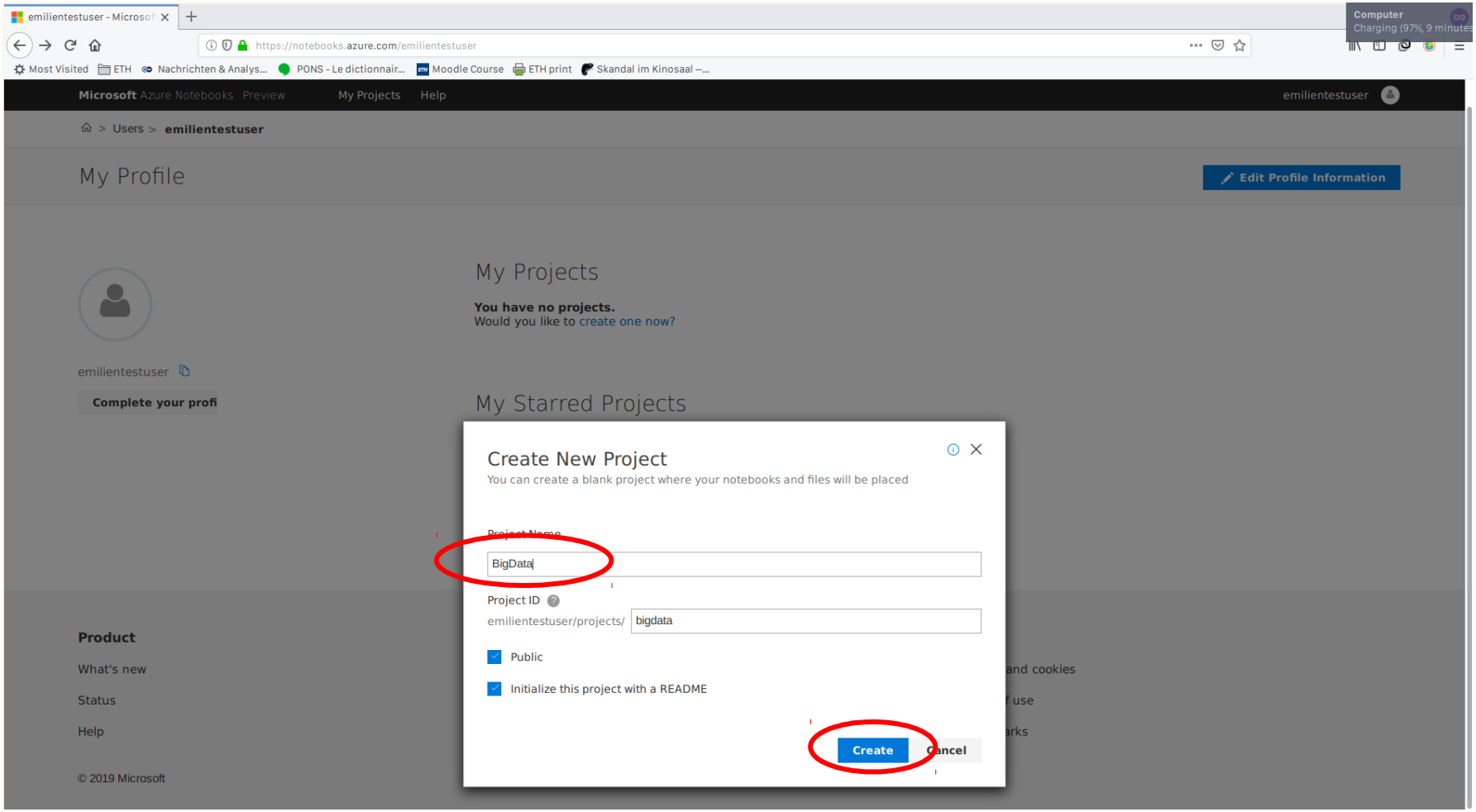


Jupyter notebooks



Jupyter notebooks

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https://notebooks.azure.com/emilientestuser
Most Visited
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Nachrichten & Analys...
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Moodle Course
ETH print
Skandal im Kinosaal –...
Computer
Charging (97%, 9 minutes
Microsoft Azure Notebooks Preview
My Projects
Help
emilientestuser
Users > emilientestuser
My Profile
Edit Profile Information
My Projects
You have no projects.
Would you like to create one now?
emilientestuser
Complete your profi
My Starred Projects
Create New Project
You can create a blank project where your notebooks and files will be placed
Project Name
BigData
Project ID
emilientestuser/projects/
bigdata
Public
Initialize this project with a README
Create
Cancel
Product
What's new
Status
Help
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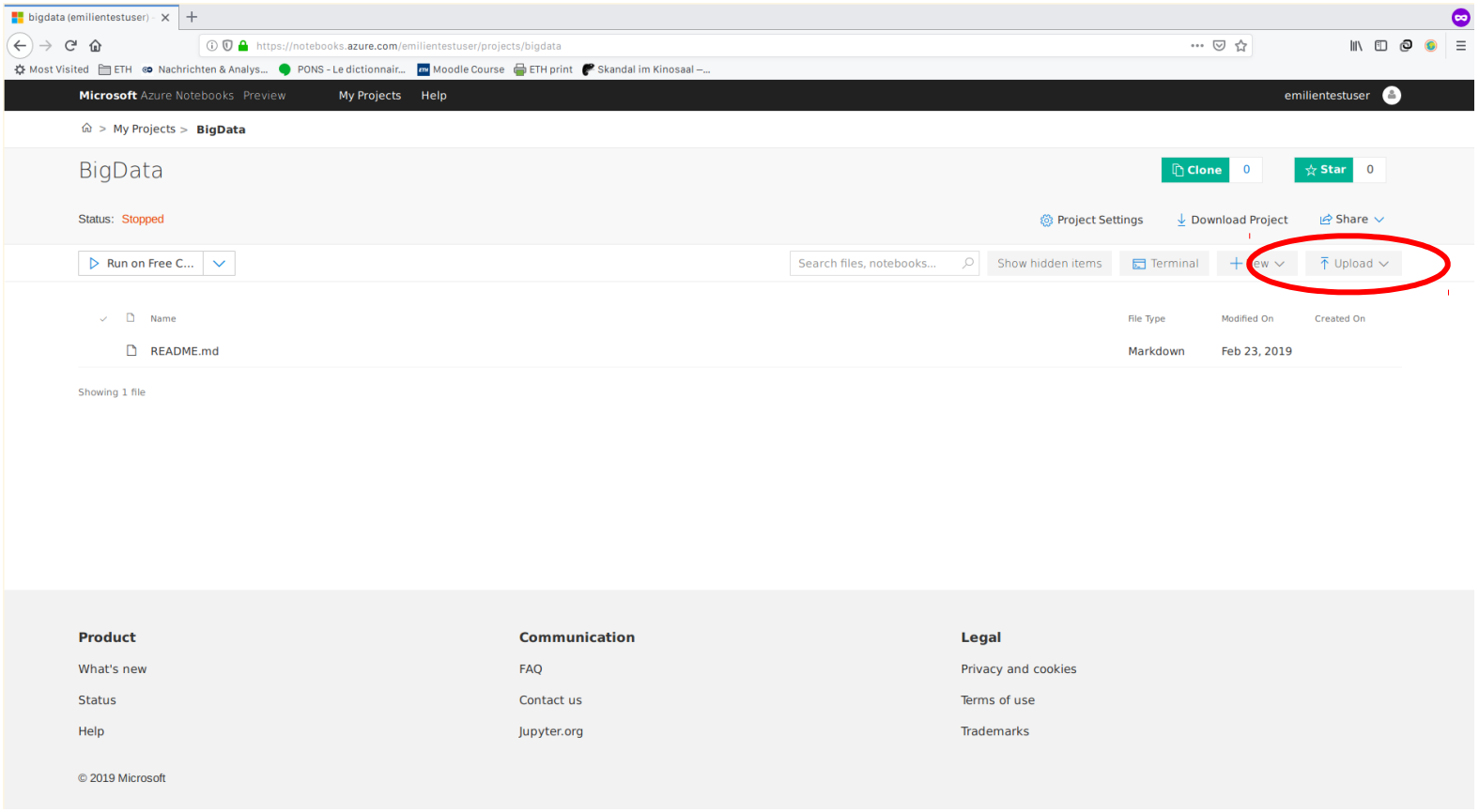
Jupyter notebooks



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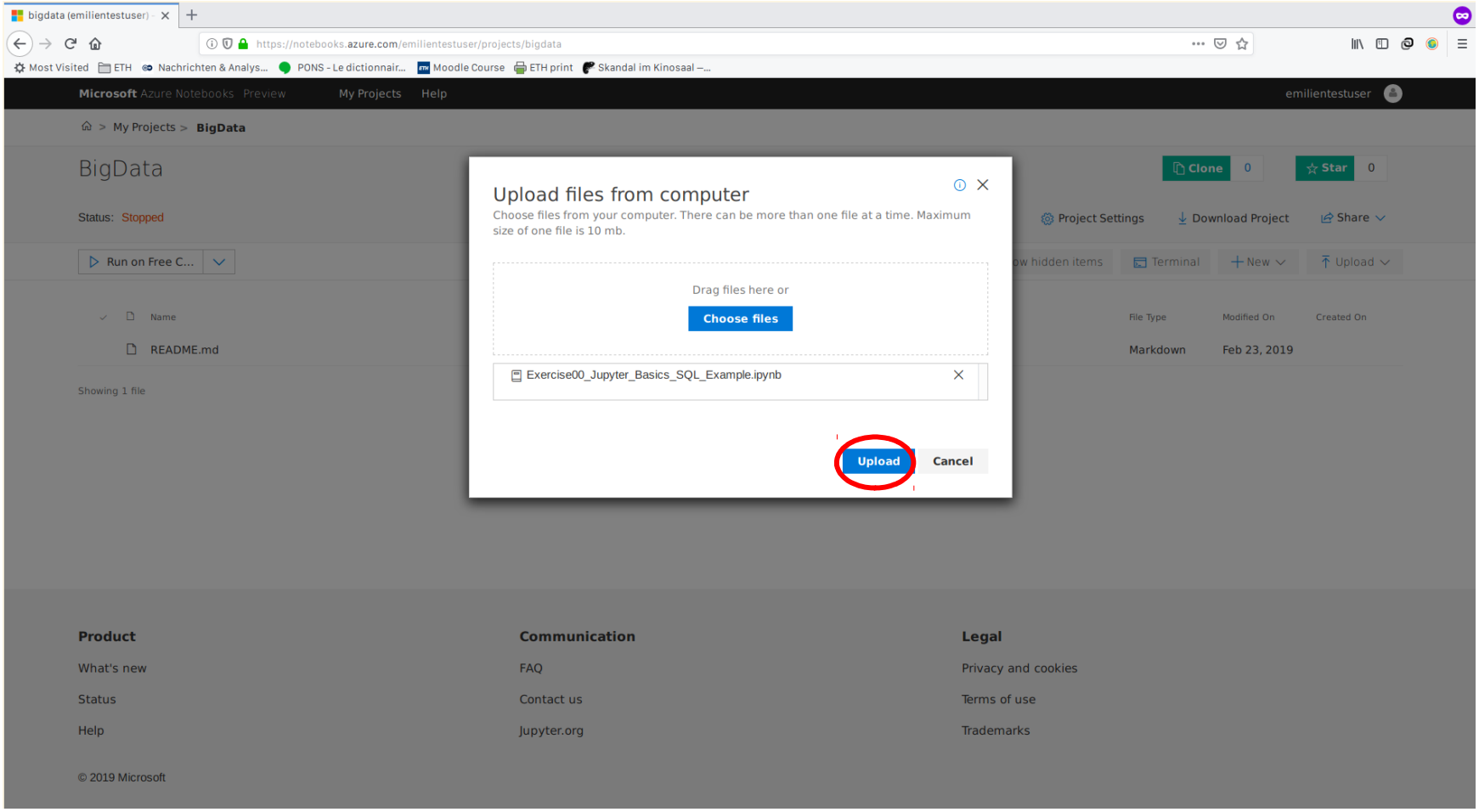

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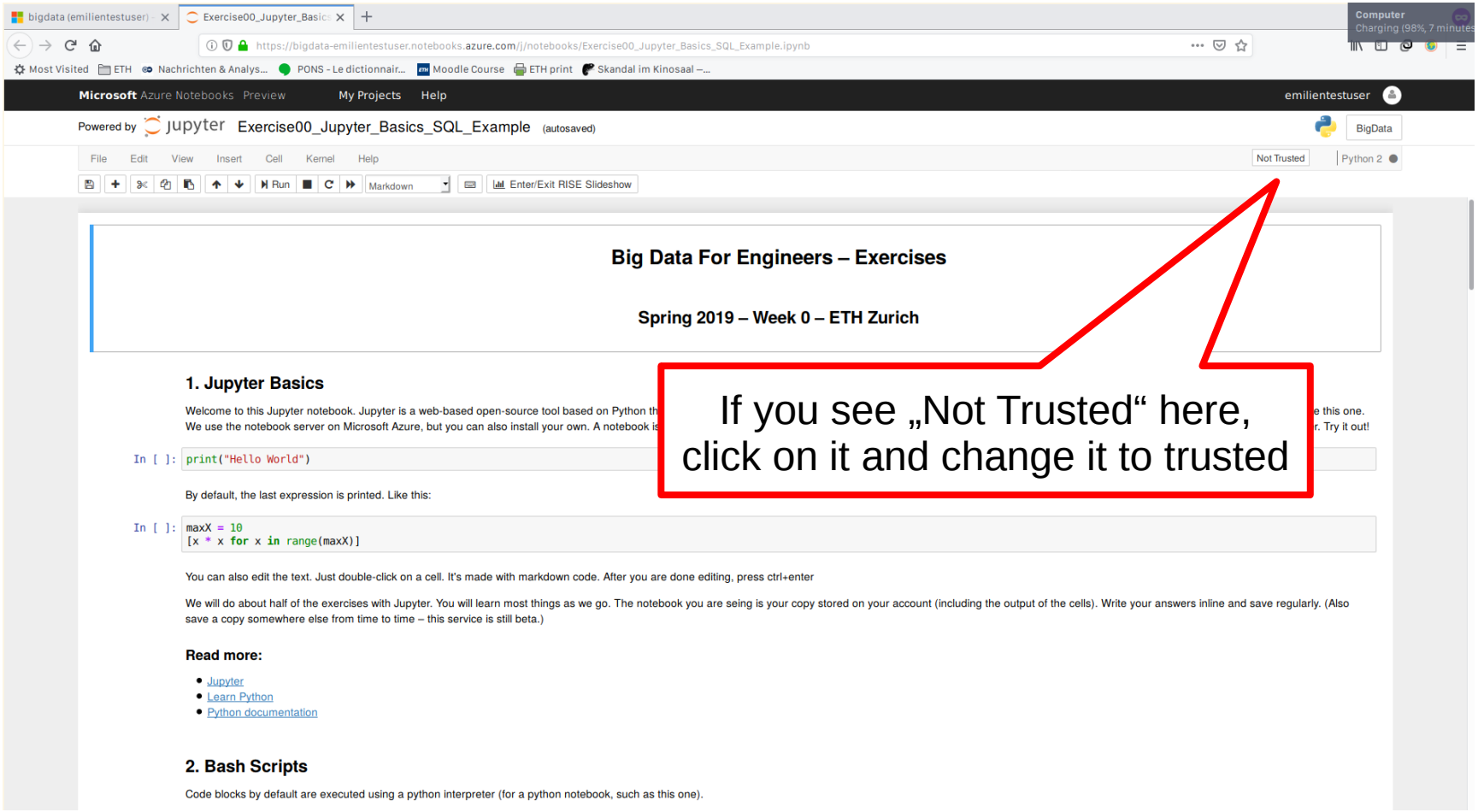

Jupyter

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

- Service is in beta phase
  - Might be buggy
  - In cases of problems → kernel and clear output, or close and reopen notebook