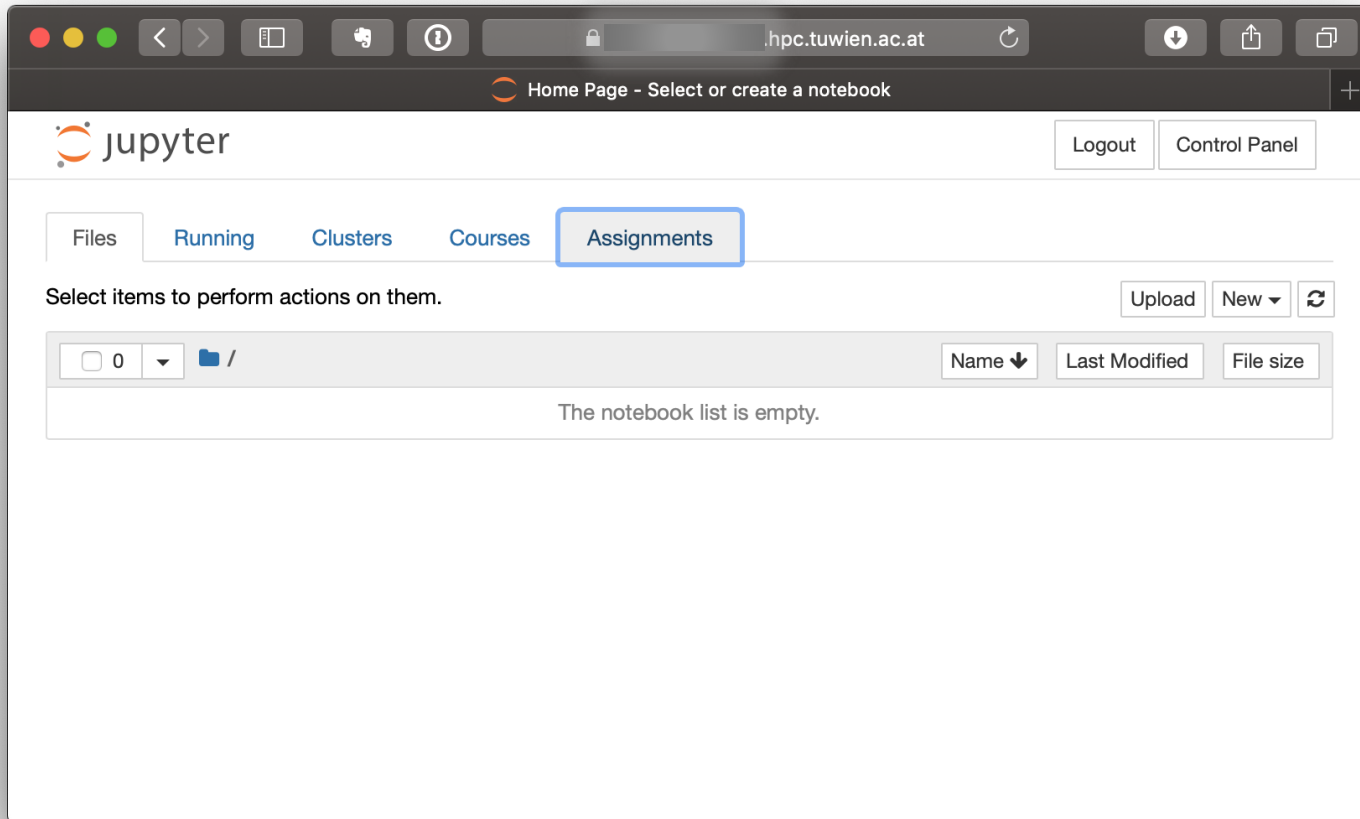


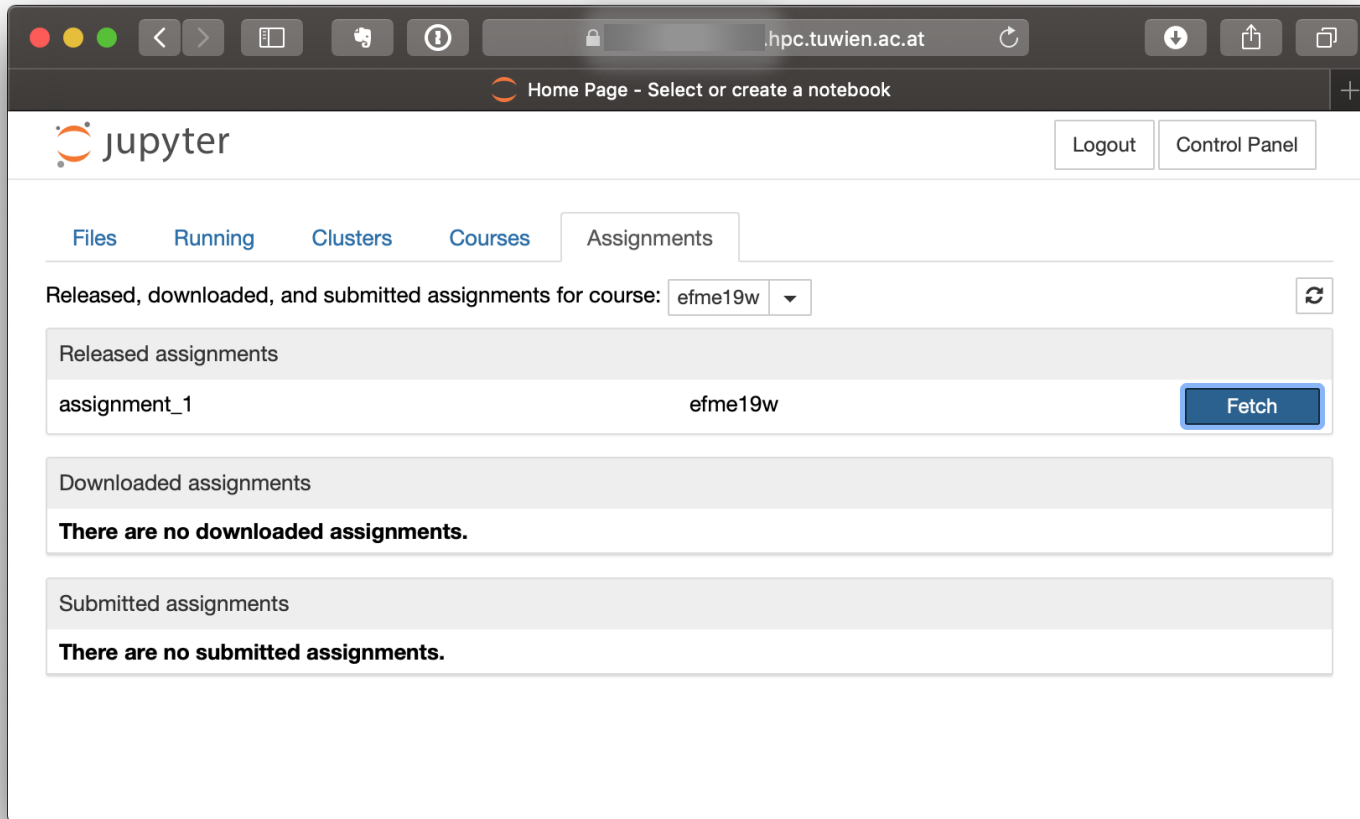
Zugang zum Jupyter Server

The screenshot shows a web browser window with the URL `tuwel.tuwien.ac.at`. The page is for the course "186.840 Einführung in die Mustererkennung (UE 2,0) 2020W". The sidebar on the left contains a list of navigation links: "186.840-2020W", "Participants", "Grades", "Download center", "Forum", "Online Tools: JupyterHub & Zoom", "Assignment 1", "Lecture slides will appear here", "Literature", "TUWEL", and "Calendar". The main content area displays the course title, a link to the TISS Lecture, and a breadcrumb trail: "TUWEL / My courses / 186.840-2020W". Below this, there is a "Forum" section with links to "Announcements" and "Students' general Q&A forum.". Further down, the "Online Tools: JupyterHub & Zoom" section contains a button labeled "Click me to start Jupyter" which is highlighted with an orange border. An orange arrow points from this button to the "Online Tools: JupyterHub & Zoom" link in the sidebar. Below the button, a message states: "This UE requires you to complete 4 assignments in Python using Jupyter notebooks." and provides a link to "Read this quick tutorial on Jupyter Notebooks".

Choose „Assignments“



Fetch assignment



Home Page - Select or create a notebook

jupyter

Logout Control Panel

Files Running Clusters Courses Assignments

Released, downloaded, and submitted assignments for course: efme19w

Released assignments

assignment_1	efme19w	Fetch
--------------	---------	-------

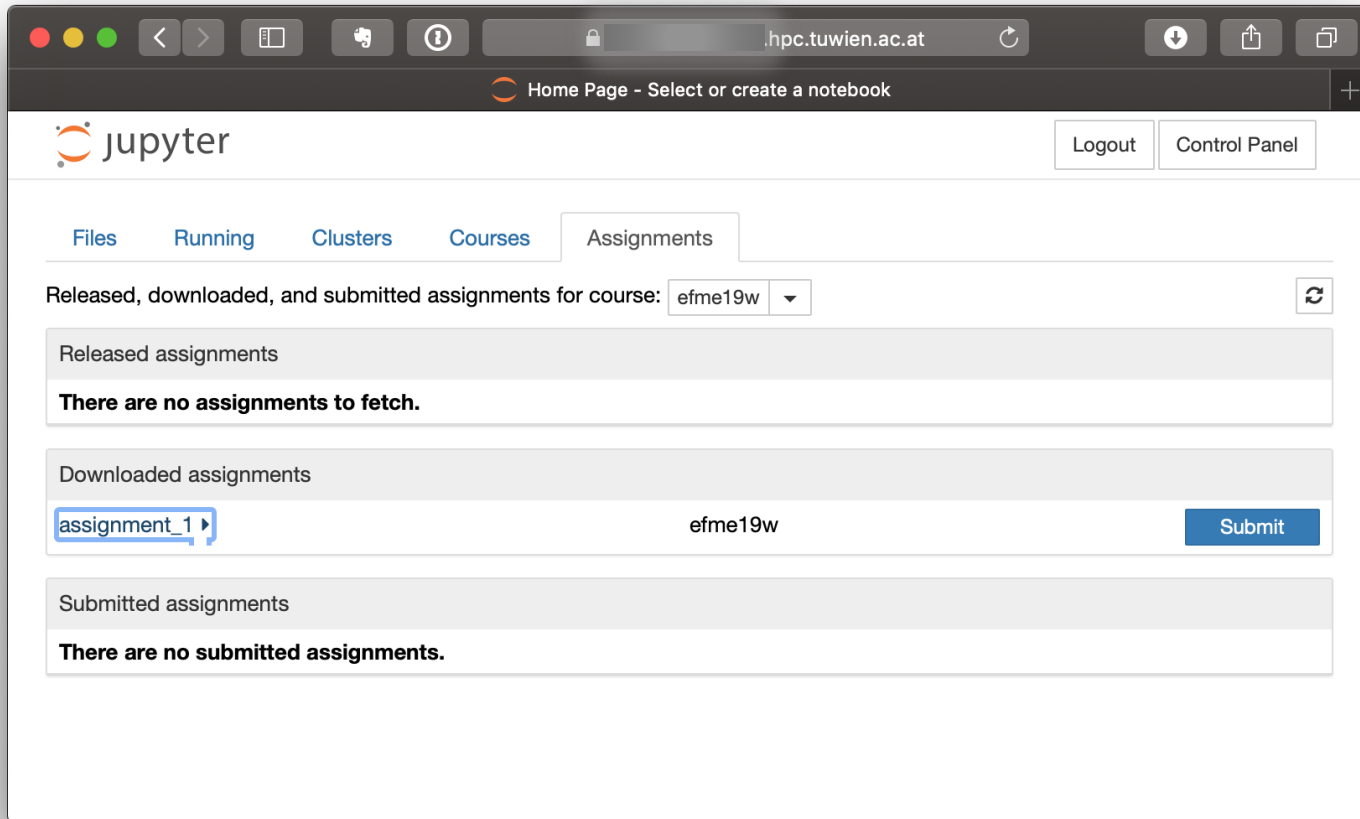
Downloaded assignments

There are no downloaded assignments.

Submitted assignments

There are no submitted assignments.

Fetch tasks



Choose task

Released, downloaded, and submitted assignments for course: efme19w

Released assignments

There are no assignments to fetch.

Downloaded assignments

assignment_1 ▾	efme19w	Submit
A1_T1_gaussians		Validate
A1_T2_features		Validate

Submitted assignments

There are no submitted assignments.

Complete Task (in Browser)

jupyter A1_T1_gaussians Last Checkpoint: 3 minutes ago (autosaved)

File Edit View Insert Cell Kernel Widgets Help

Trusted Python 3

In [7]:

Points: 2 ID: cell-c7aba2865237571a Autograder tests

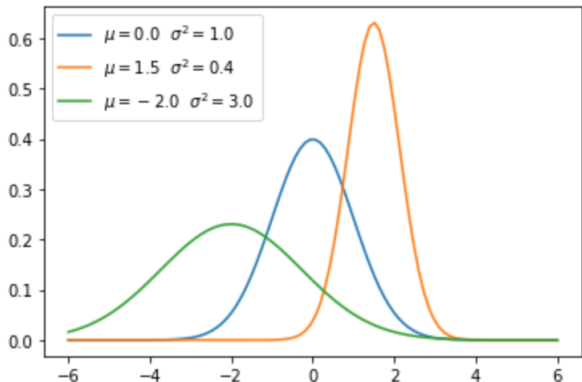
```
# To earn 2 points, your plot should be VERY similar to the image at the top of this notebook.
# assure the legened shows (in LaTeX mode) values of \mu and \sigma^2 to one decimal.

# You can not change this cell. Just execute it [Shift] + [Enter]

for (mu,sig2) in TEST_MU_SIG2:
    plot_gauss (mu, sig2)

plt.title ('Gaussian functions')
plt.legend();
plt.savefig ('gaussians.png')
```

Gaussian functions



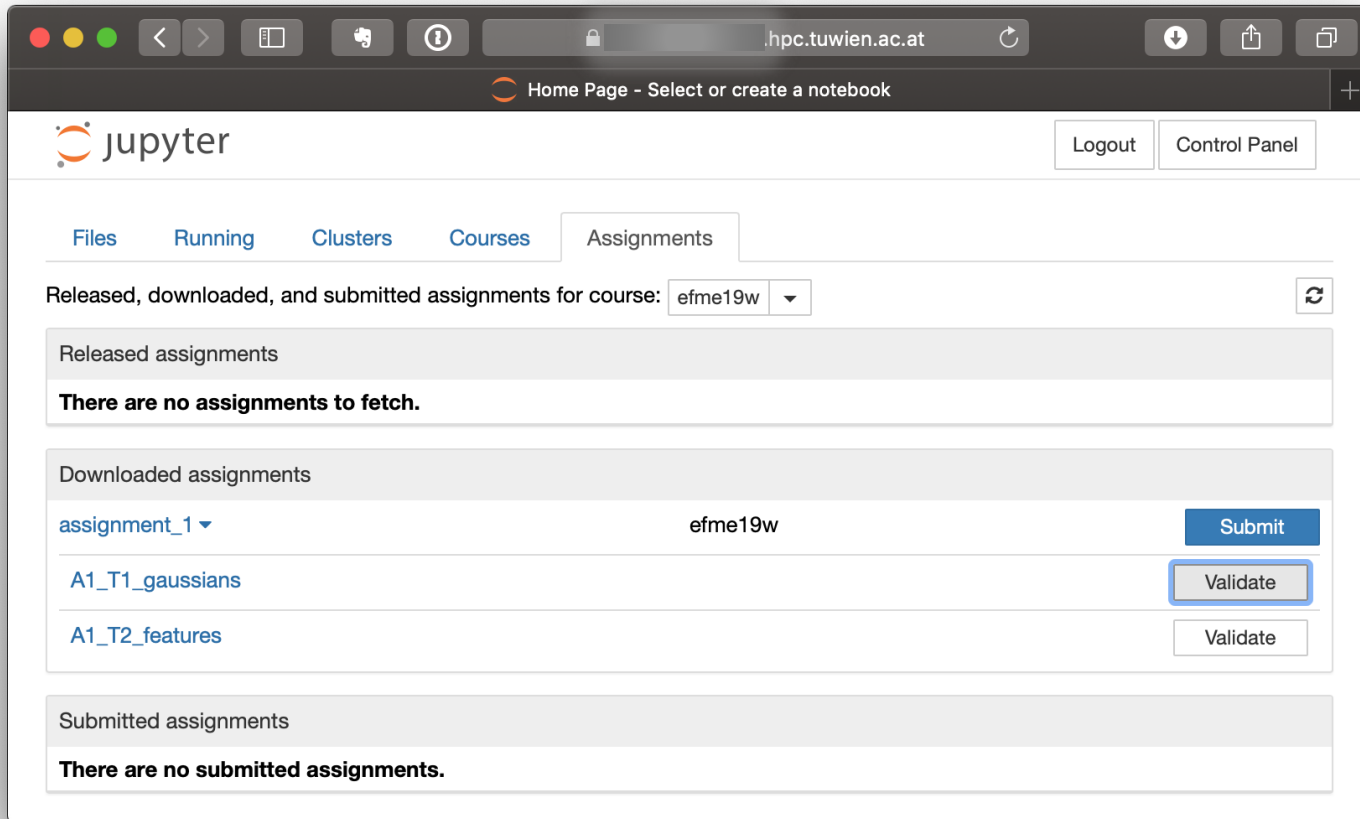
Points: 1 ID: cell-8355526e033d2995 Manually graded answer

Parameters

- the mean $\mu \in \mathbb{R}$
- the variance $\sigma^2 \in \mathbb{R}^+$

$$G(x; \mu, \sigma^2) = \frac{1}{\sqrt{2\pi\sigma^2}} \exp\left(-\frac{1}{2} \frac{(x-\mu)^2}{\sigma^2}\right)$$

Validate task



Home Page - Select or create a notebook

jupyter Logout Control Panel

Files Running Clusters Courses Assignments

Released, downloaded, and submitted assignments for course: efme19w

Released assignments

There are no assignments to fetch.

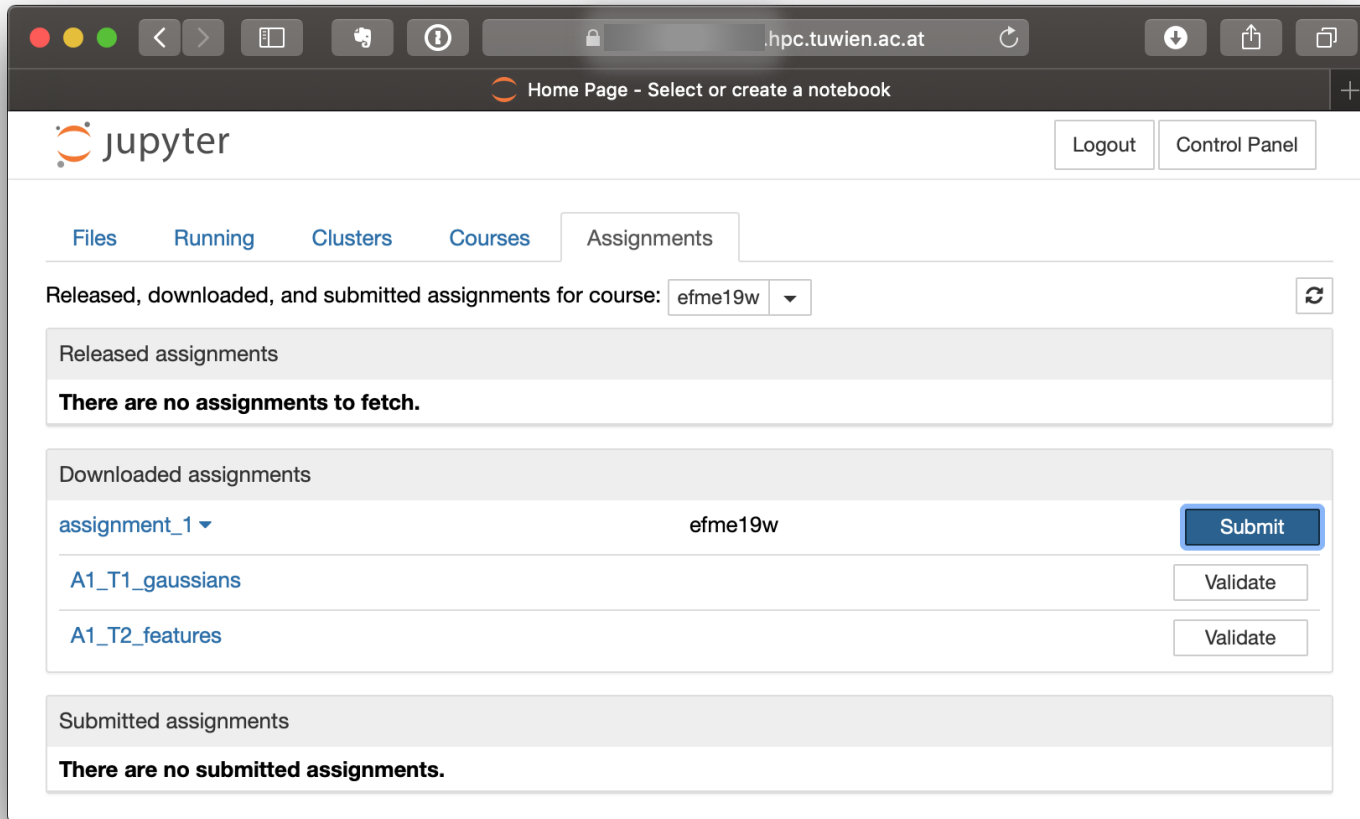
Downloaded assignments

assignment_1 ▾	efme19w	Submit
A1_T1_gaussians		Validate
A1_T2_features		Validate

Submitted assignments

There are no submitted assignments.

Submit



The screenshot shows a web browser window with the URL `hpc.tuwien.ac.at`. The page is the JupyterLab "Home Page" with a dark header bar. Below the header, the Jupyter logo is on the left, and "Logout" and "Control Panel" buttons are on the right. A navigation bar contains tabs for "Files", "Running", "Clusters", "Courses", and "Assignments". The "Assignments" tab is active, showing a dropdown menu for the course "efme19w". Below this, there are three sections: "Released assignments" with the message "There are no assignments to fetch.", "Downloaded assignments" with a table listing "assignment_1", "A1_T1_gaussians", and "A1_T2_features", and "Submitted assignments" with the message "There are no submitted assignments.".

Home Page - Select or create a notebook

jupyter

Logout Control Panel

Files Running Clusters Courses Assignments

Released, downloaded, and submitted assignments for course: efme19w

Released assignments

There are no assignments to fetch.

Downloaded assignments

assignment_1 ▾	efme19w	Submit
A1_T1_gaussians		Validate
A1_T2_features		Validate

Submitted assignments

There are no submitted assignments.

Wait until graded.

Released, downloaded, and submitted assignments for course: efme19w

Released assignments

There are no assignments to fetch.

Downloaded assignments

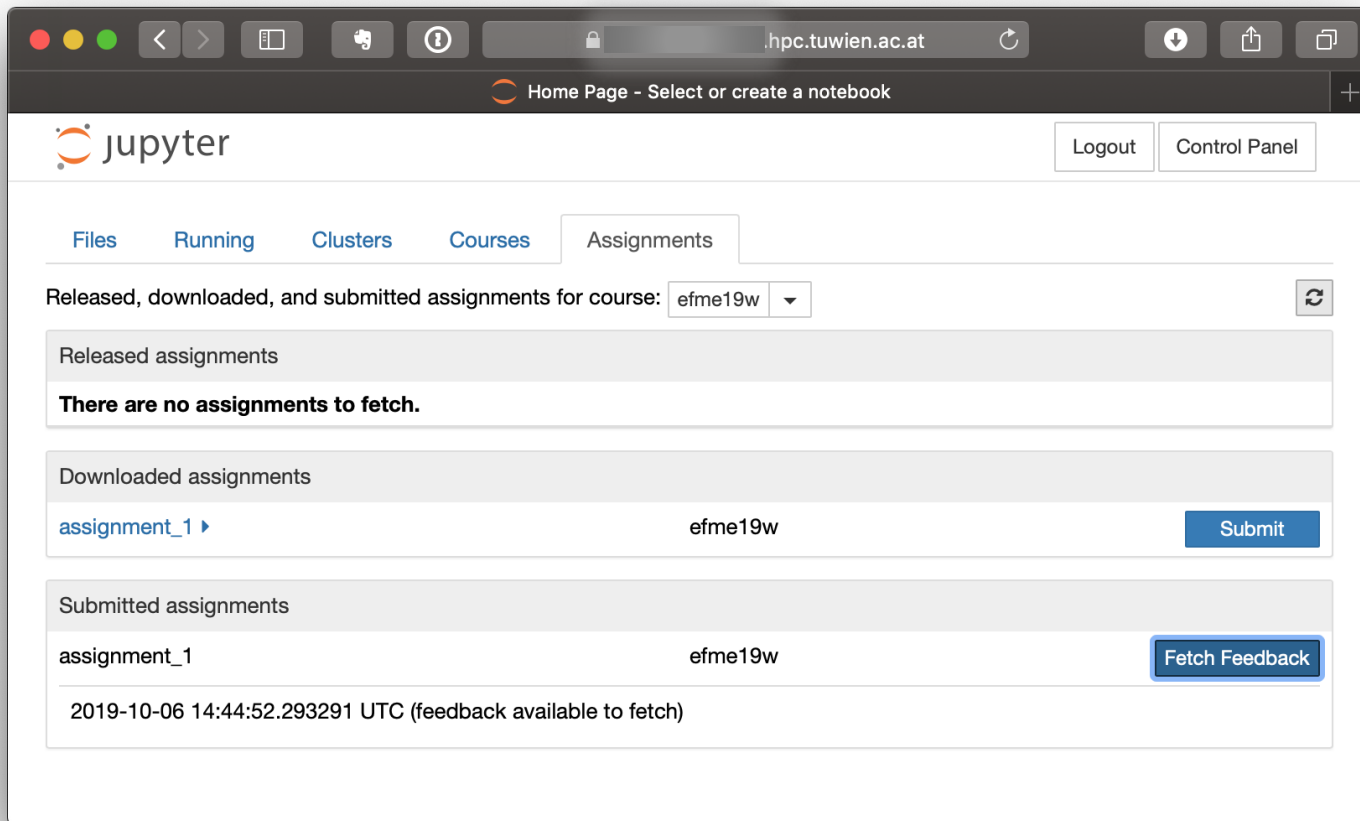
assignment_1 ▶	efme19w	Submit
----------------	---------	--------

Submitted assignments

assignment_1	efme19w	Fetch Feedback
--------------	---------	----------------

2019-10-06 14:44:52.293291 UTC

Fetch feedback



Home Page - Select or create a notebook

jupyter Logout Control Panel

Files Running Clusters Courses Assignments

Released, downloaded, and submitted assignments for course: efme19w

Released assignments

There are no assignments to fetch.

Downloaded assignments

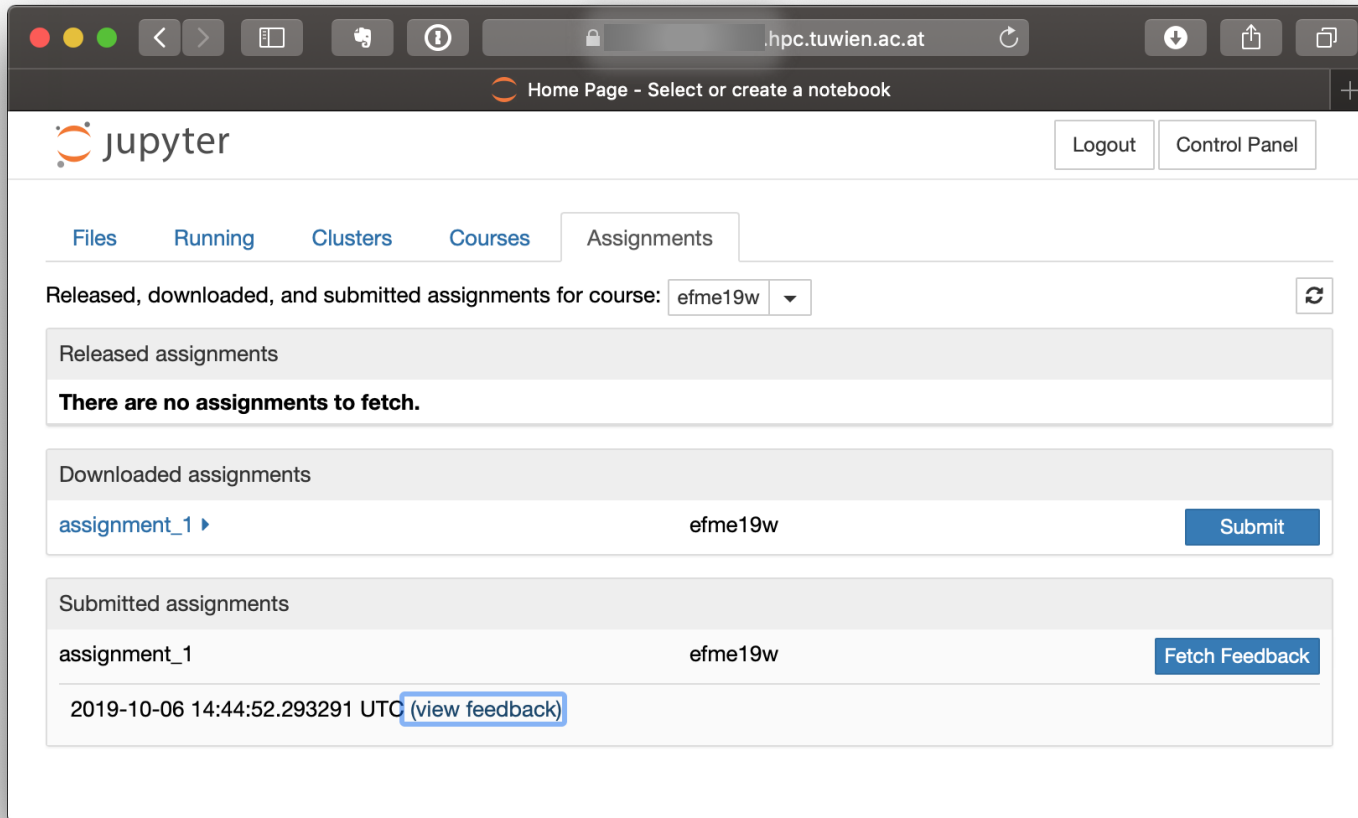
assignment_1 ▶ efme19w Submit

Submitted assignments

assignment_1 efme19w Fetch Feedback

2019-10-06 14:44:52.293291 UTC (feedback available to fetch)

View feedback ...



Home Page - Select or create a notebook

jupyter Logout Control Panel

Files Running Clusters Courses Assignments

Released, downloaded, and submitted assignments for course: efme19w

Released assignments

There are no assignments to fetch.

Downloaded assignments

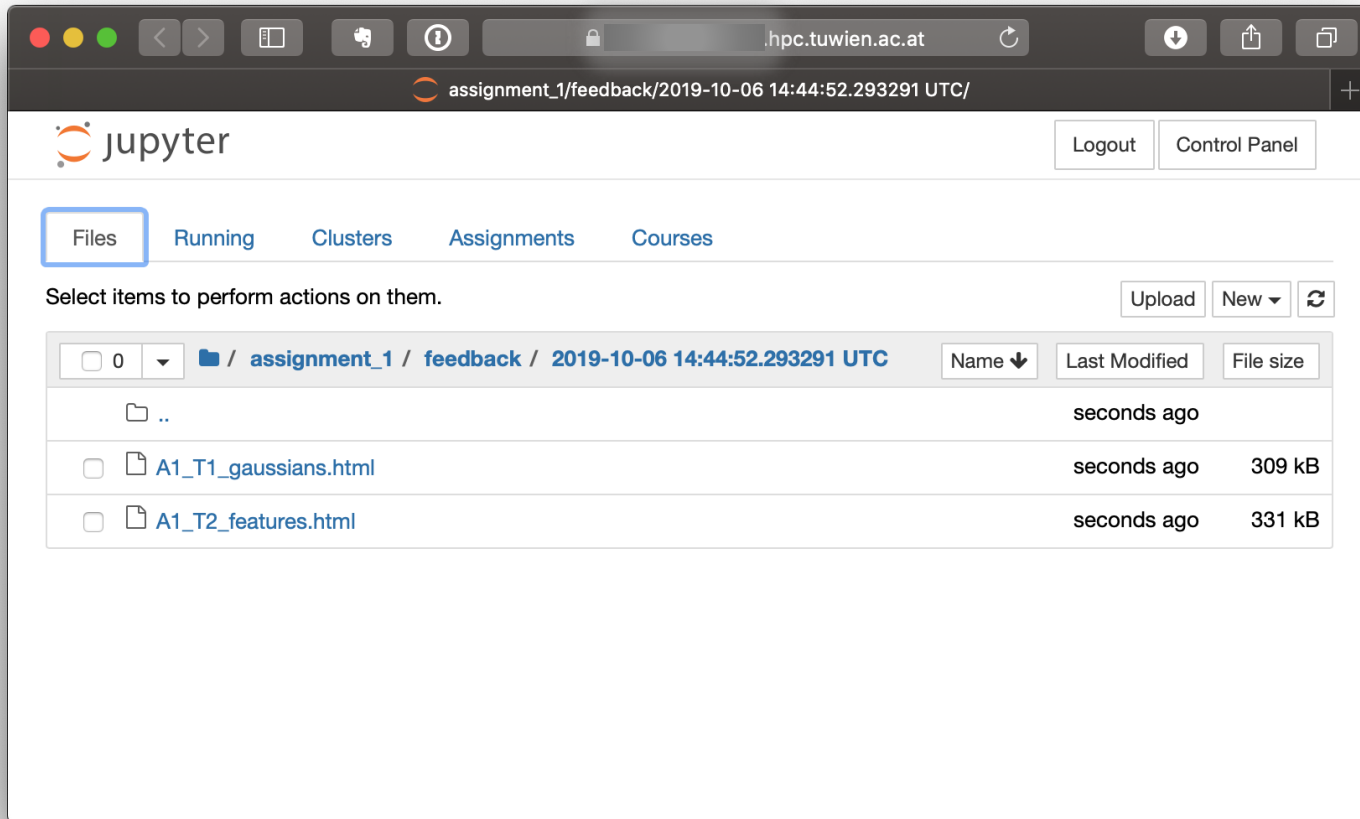
assignment_1 ▶ efme19w Submit

Submitted assignments

assignment_1 efme19w Fetch Feedback

2019-10-06 14:44:52.293291 UTC (view feedback)

... feedback HTML files



The screenshot shows a web browser window with the URL `hpc.tuwien.ac.at`. The page title is `assignment_1/feedback/2019-10-06 14:44:52.293291 UTC/`. The JupyterLab interface includes a top bar with the Jupyter logo and a 'Logout' button. Below the top bar, there are tabs for 'Files', 'Running', 'Clusters', 'Assignments', and 'Courses'. The 'Files' tab is selected and highlighted with a blue border. Below the tabs, there is a message 'Select items to perform actions on them.' and buttons for 'Upload', 'New', and a refresh icon. A table lists the files in the current directory:

<input type="checkbox"/> 0	Name	Last Modified	File size
<input type="checkbox"/>	..	seconds ago	
<input type="checkbox"/>	A1_T1_gaussians.html	seconds ago	309 kB
<input type="checkbox"/>	A1_T2_features.html	seconds ago	331 kB