

COMP 4211, Spring 2018

Assignment 1

Using Jupyter Notebook from Azure Machine Learning Studio

Register an account in Azure ML Studio

- Access <https://studio.azureml.net/>
- Press “Sign up here”
- Choose “Free Workspace”
- Register with your ITSC email.

Welcome to Azure Machine Learning

Try it for free

No Azure subscription? No credit card? No problem! Choose anonymous Guest Access, or sign in with your work or school account, or a Microsoft account.

[Sign In](#)

Not an Azure ML user? [Sign up here](#)

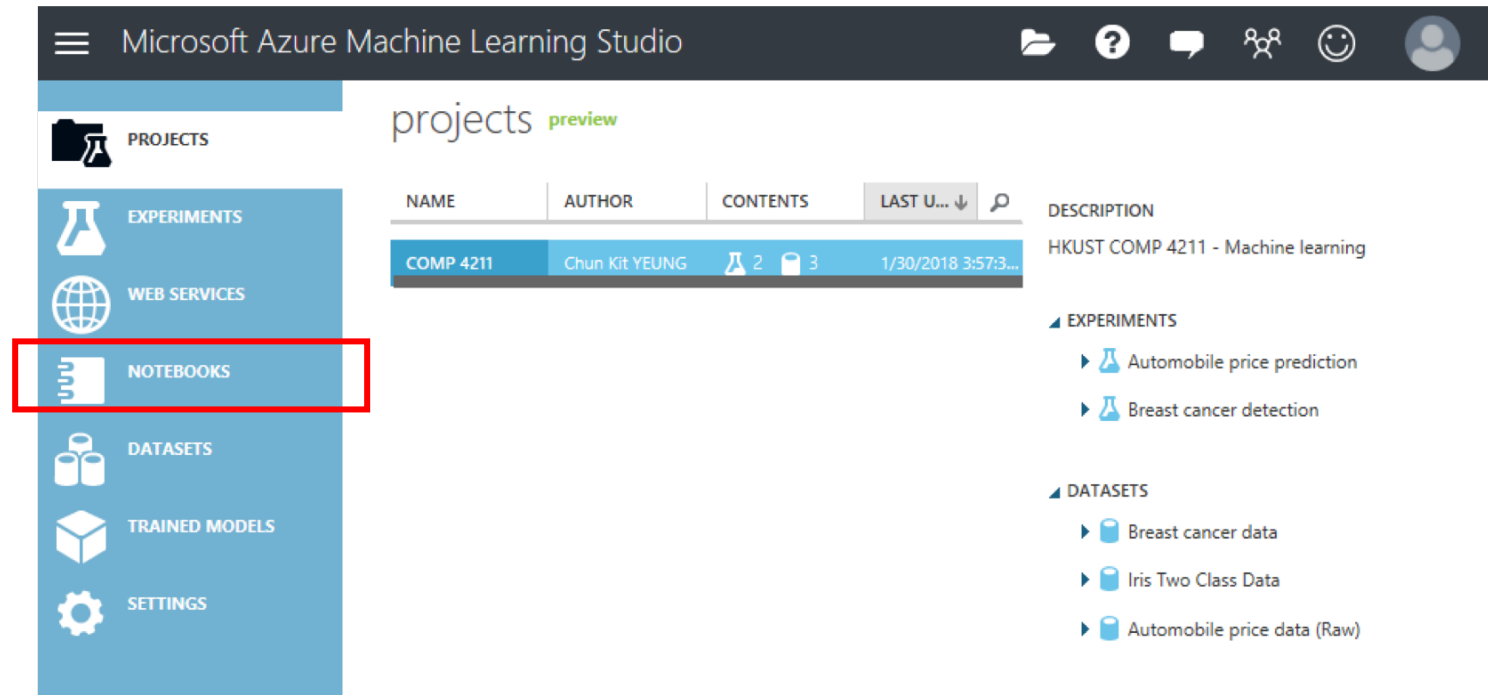
[Pricing & FAQ](#)

By using this free version, you agree to be bound by the Microsoft Azure Website Terms of Use.

Quick Evaluation	Most Popular	Enterprise Grade
Guest Workspace	Free Workspace	Standard Workspace
8-hour trial	\$0/month	\$9.99/month
No sign-in required.	Don't already have a Microsoft account? Simply sign up here .	Azure subscription required. Other charges may apply. Read more .
Enter	Sign In	Create Workspace
<ul style="list-style-type: none">No hassle instant accessStock sample datasetsML models built in minutesFull range of ML algorithms	<ul style="list-style-type: none">Free access that never expires10 GB storage on usR and Python scripts supportPredictive web services	<ul style="list-style-type: none">Full SLA SupportBring your own Azure storageParallel graph executionElastic Web Service endpoints

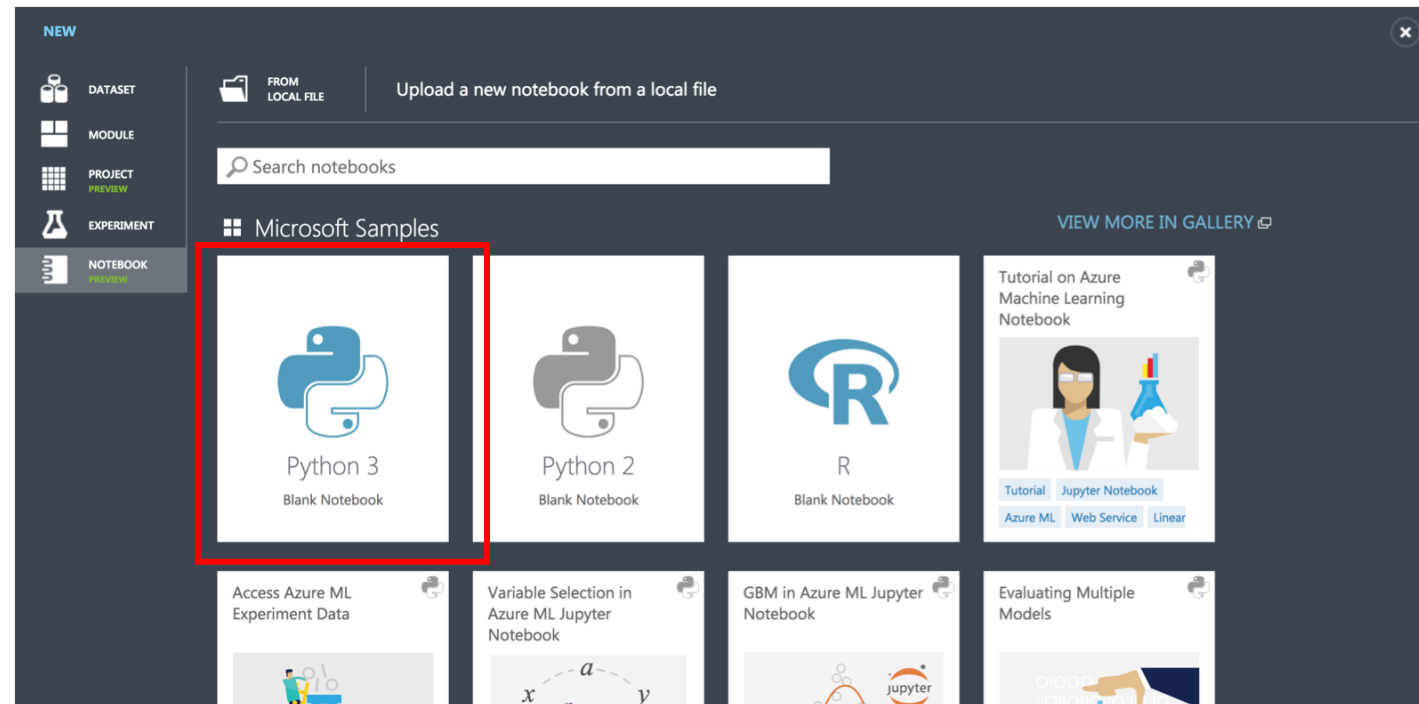
Sign in to Azure ML Studio

- After login, you should see this page.
- Click “NOTEBOOKS”.



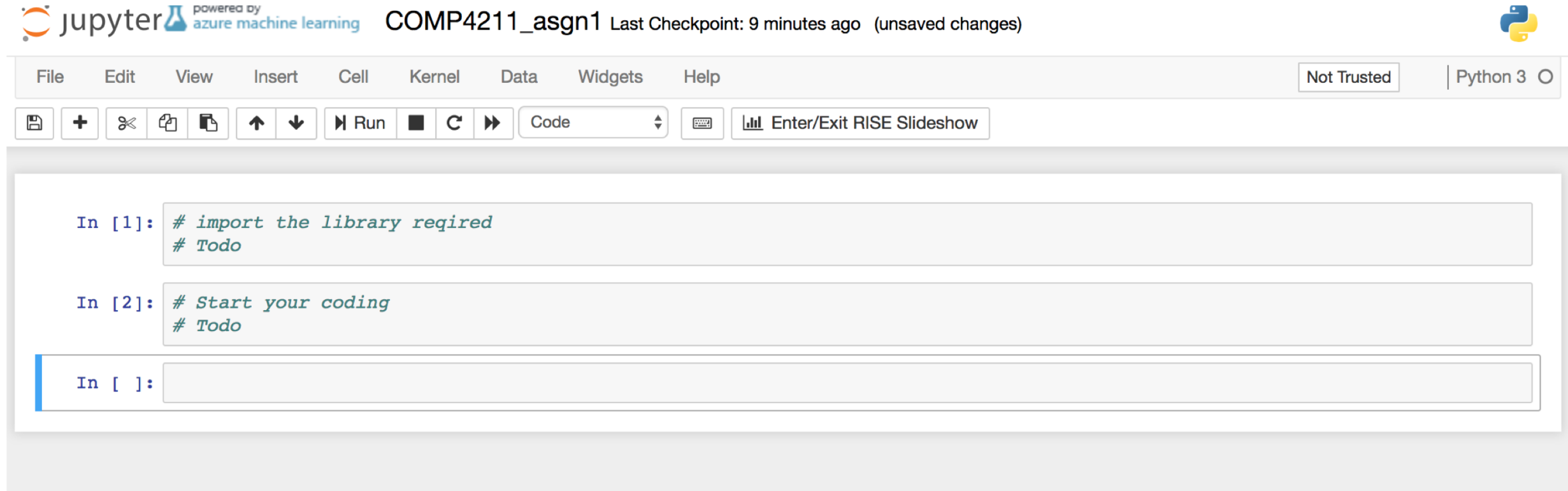
Create a Jupyter Notebook

- Click the “+New” button at the lower left corner.
- Choose “Python 3”.
- Then, name your notebook, e.g. “COMP4211_asgn1”.



Inside the notebook

- You can then start coding using the notebook.



The screenshot displays the Jupyter Notebook interface. At the top, the Jupyter logo is followed by the text "powered by azure machine learning". The notebook title is "COMP4211_asgn1", and the status indicates "Last Checkpoint: 9 minutes ago (unsaved changes)". On the right, there is a "Not Trusted" warning and the text "Python 3". Below the title bar is a menu bar with options: File, Edit, View, Insert, Cell, Kernel, Data, Widgets, and Help. A secondary toolbar contains icons for saving, adding, deleting, and duplicating cells, as well as navigation arrows, a "Run" button, a "Code" dropdown menu, and a keyboard icon. To the right of the toolbar is a button labeled "Enter/Exit RISE Slideshow". The main area of the notebook contains three code cells. The first two cells contain placeholder comments, and the third cell is currently empty.

jupyter powered by azure machine learning COMP4211_asgn1 Last Checkpoint: 9 minutes ago (unsaved changes) Python 3

File Edit View Insert Cell Kernel Data Widgets Help Not Trusted

Save Add Delete Duplicate Up Down Run Code Enter/Exit RISE Slideshow

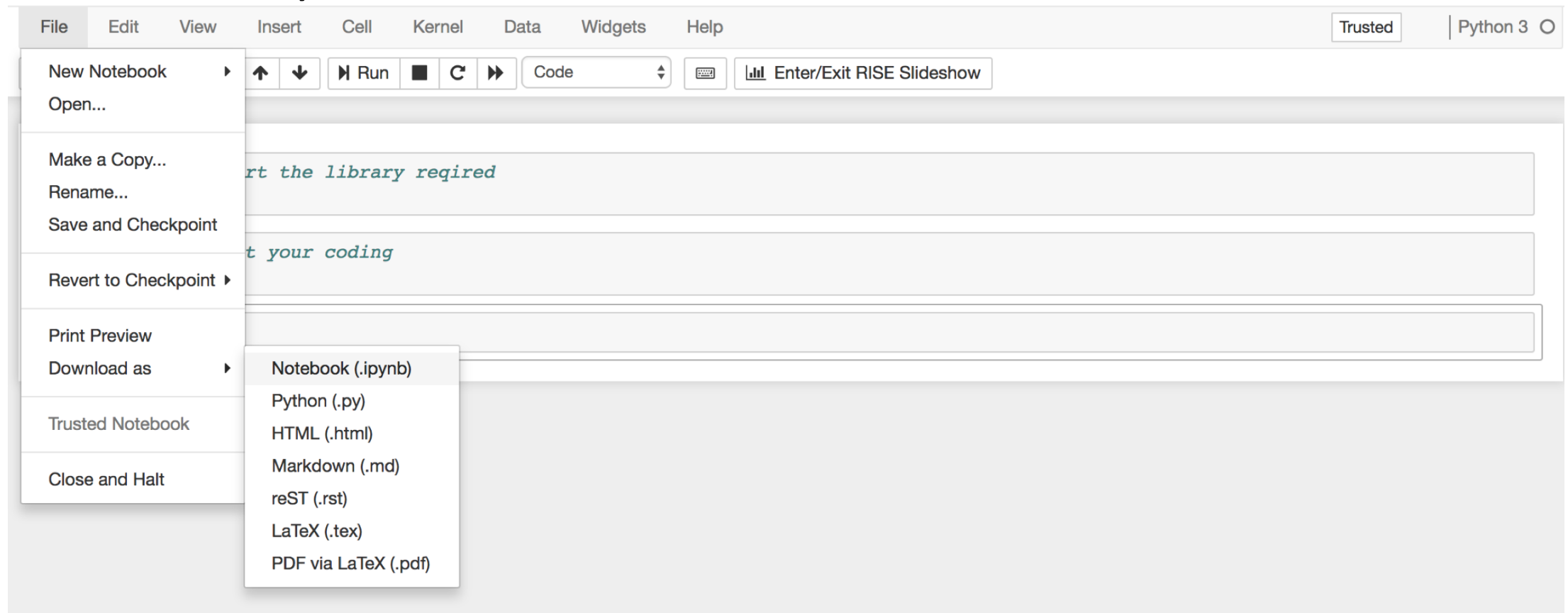
```
In [1]: # import the library required
        # Todo
```

```
In [2]: # Start your coding
        # Todo
```

```
In [ ]:
```

Submission

- You are required to submit .ipynb file to CASS. You can export your notebook by...



Submission

- You are also required to print a hard copy of your code and result. You can first print out as .pdf or .html, and then print as usual.

