



PYTHON

Environment Setup



Email:

satyajeet.pradhan@gmail.com

monalisa10pradhan@gmail.com

Environmental Setup

- Jupyter notebook is a more interactive form of web based notebook for running python codes in blocks
- Installation steps :
 1. Utilize [link](#) to install Anaconda based on OS of your system (Windows/macOS/Linux)
 2. Once installed then open Anaconda navigator Home page, ref. slide#3
 3. Navigate to environments section using Environments tab link on left side of page, ref. slide#4
 4. Create a new environment “learning” in it for our class lab
 5. Navigate back to Home page
 6. Start a new jupyter instance by clicking on the jupyter Notebook thumbnail
 7. A new jupyter notebook instance would be created on your default webpage, ref. slide#5


System requirements


- License: Free use and redistribution under the terms of the [./eula](#).
- Operating system: Windows 8 or newer, 64-bit macOS 10.13+, or Linux 64-bit.
- If your operating system is older than what is currently supported, see [Anaconda on older operating systems](#) for version recommendations.
- System architecture: Windows- 64-bit x86, 32-bit x86; MacOS- 64-bit Intel & ARM; Linux- 64-bit x86_64, 32-bit i686, IBM Z & LinuxONE).
- Minimum 5 GB disk space to download and install.

On Windows, macOS, and Linux, it is best to install Anaconda for the user. However, if you need to, you can install Anaconda system wide, which is not recommended.

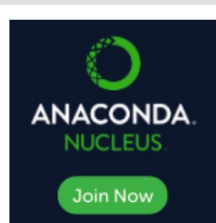
- [Installing on Windows](#)
- [Installing on macOS](#)
- [Installing on Linux](#)

 Home

 Environments

 Learning

 Community



Discover premium data science content

[Documentation](#)

[Anaconda Blog](#)



Applications on

base (root)

Channels

[Refresh](#)



Datalore

Online Data Analysis Tool with smart coding assistance by JetBrains. Edit and run your Python notebooks in the cloud and share them with your team.

[Launch](#)



IBM Watson Studio Cloud

IBM Watson Studio Cloud provides you the tools to analyze and visualize data, to cleanse and shape data, to create and train machine learning models. Prepare data and build models, using open source data science tools or visual modeling.

[Launch](#)



JupyterLab

3.0.14

An extensible environment for interactive and reproducible computing, based on the Jupyter Notebook and Architecture.

[Launch](#)



Notebook

[6.3.0](#)

Web-based, interactive computing notebook environment. Edit and run human-readable docs while describing the data analysis.

[Launch](#)



Qt Console

[5.0.3](#)

PyQt GUI that supports inline figures, proper multiline editing with syntax highlighting, graphical calltips, and more.

[Launch](#)

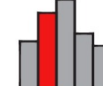


Spyder

[4.2.5](#)

Scientific PYTHON Development Environment. Powerful Python IDE with advanced editing, interactive testing, debugging and introspection features

[Launch](#)



Glueviz

1.0.0

Multidimensional data visualization across files. Explore relationships within and among related datasets.

[Install](#)



Orange 3

3.26.0

Component based data mining framework. Data visualization and data analysis for novice and expert. Interactive workflows with a large toolbox.

[Install](#)



Home

Environments

Learning

Community

ANACONDA

NUCLEUS

Join Now

Discover premium data science content

Documentation

Anaconda Blog

Twitter

YouTube

GitHub

Search Environments

base (root)

learning

Installed

Channels

Update index...

Search Packages

Name	T	Description	Version
<input checked="" type="checkbox"/> _ipyw_jlab_nb_ex...	<div></div>		0.1.0
<input checked="" type="checkbox"/> alabaster	<div></div>		0.7.12
<input checked="" type="checkbox"/> anaconda	<div></div>		2021.05
<input checked="" type="checkbox"/> anaconda-client	<div></div>		1.7.2
<input checked="" type="checkbox"/> anaconda-project	<div></div>		0.9.1
<input checked="" type="checkbox"/> anyio	<div></div>		2.2.0
<input checked="" type="checkbox"/> appdirs	<div></div>		1.4.4
<input checked="" type="checkbox"/> applaunchservices	<div></div>		0.2.1
<input checked="" type="checkbox"/> appnope	<div></div>		0.1.2
<input checked="" type="checkbox"/> appscript	<div></div>		1.1.2
<input checked="" type="checkbox"/> argh	<div></div>		0.26.2
<input checked="" type="checkbox"/> argon2-cffi	<div></div>		20.1.0
<input checked="" type="checkbox"/> asn1crypto	<div></div>		1.4.0
<input checked="" type="checkbox"/> astroid	<div></div>		2.5
<input checked="" type="checkbox"/> astropy	<div></div>		4.2.1
<input checked="" type="checkbox"/> async-generator	<div></div>		1.10

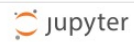
Create

Clone

Import

Remove

localhost:8888/tree/CS_6040/cs6040_mterm2_solns



Quit

Logout

Files

Running

Clusters

Select items to perform actions on them.

Upload

New



<input type="checkbox"/> 0		/ CS_6040 / cs6040_mterm2_solns	Name	Last Modified	File size
	..			seconds ago	
<input type="checkbox"/>	pm2-sample-solutions-html			a year ago	
<input type="checkbox"/>	pm2-sample-solutions-html.zip			a year ago	1.12 MB