# Week 1 – System Setup for Python and Jupyter

## Installed Python Versions and Packages

[cms3504user@deviljho ~]$ python --version

Python 2.7.5

[cms3504user@deviljho ~]$ python3 --version

Python 3.6.8

[cms3504user@deviljho ~]$ pip list

Package Version

---------- -------

pip 19.2.3

setuptools 39.2.0

virtualenv 16.7.4

[cms3504user@deviljho ~]$

## Installing numpy, matplotlib, jupyterlab and pandas

[cms3504user@deviljho ~]$ sudo `which pip` install numpy

[sudo] password for cms3504user:

Collecting numpy

Downloading https://files.pythonhosted.org/packages/e5/e6/c3fdc53aed9fa19d6ff3abf97dfad768ae3afce1b7431f7500000816bda5/numpy-1.17.2-cp36-cp36m-manylinux1\_x86\_64.whl (20.4MB)

|████████████████████████████████| 20.4MB 15.8MB/s

Installing collected packages: numpy

WARNING: The scripts f2py, f2py3 and f2py3.6 are installed in '/usr/local/bin' which is not on PATH.

Consider adding this directory to PATH or, if you prefer to suppress this warning, use --no-warn-script-location.

Successfully installed numpy-1.17.2

[cms3504user@deviljho ~]$ sudo `which pip` install matplotlib

Collecting matplotlib

Downloading https://files.pythonhosted.org/packages/57/4f/dd381ecf6c6ab9bcdaa8ea912e866dedc6e696756156d8ecc087e20817e2/matplotlib-3.1.1-cp36-cp36m-manylinux1\_x86\_64.whl (13.1MB)

|████████████████████████████████| 13.1MB 32.9MB/s

Requirement already satisfied: numpy>=1.11 in /usr/local/lib64/python3.6/site-packages (from matplotlib) (1.17.2)

Collecting python-dateutil>=2.1 (from matplotlib)

Downloading https://files.pythonhosted.org/packages/41/17/c62faccbfbd163c7f57f3844689e3a78bae1f403648a6afb1d0866d87fbb/python\_dateutil-2.8.0-py2.py3-none-any.whl (226kB)

|████████████████████████████████| 235kB 13.0MB/s

Collecting pyparsing!=2.0.4,!=2.1.2,!=2.1.6,>=2.0.1 (from matplotlib)

Downloading https://files.pythonhosted.org/packages/11/fa/0160cd525c62d7abd076a070ff02b2b94de589f1a9789774f17d7c54058e/pyparsing-2.4.2-py2.py3-none-any.whl (65kB)

|████████████████████████████████| 71kB 17.6MB/s

Collecting kiwisolver>=1.0.1 (from matplotlib)

Downloading https://files.pythonhosted.org/packages/f8/a1/5742b56282449b1c0968197f63eae486eca2c35dcd334bab75ad524e0de1/kiwisolver-1.1.0-cp36-cp36m-manylinux1\_x86\_64.whl (90kB)

|████████████████████████████████| 92kB 12.6MB/s

Collecting cycler>=0.10 (from matplotlib)

Downloading https://files.pythonhosted.org/packages/f7/d2/e07d3ebb2bd7af696440ce7e754c59dd546ffe1bbe732c8ab68b9c834e61/cycler-0.10.0-py2.py3-none-any.whl

Collecting six>=1.5 (from python-dateutil>=2.1->matplotlib)

Downloading https://files.pythonhosted.org/packages/73/fb/00a976f728d0d1fecfe898238ce23f502a721c0ac0ecfedb80e0d88c64e9/six-1.12.0-py2.py3-none-any.whl

Requirement already satisfied: setuptools in /usr/lib/python3.6/site-packages (from kiwisolver>=1.0.1->matplotlib) (39.2.0)

Installing collected packages: six, python-dateutil, pyparsing, kiwisolver, cycler, matplotlib

Successfully installed cycler-0.10.0 kiwisolver-1.1.0 matplotlib-3.1.1 pyparsing-2.4.2 python-dateutil-2.8.0 six-1.12.0

[cms3504user@deviljho ~]$ sudo `which pip` install jupyterlab

Collecting jupyterlab

Downloading https://files.pythonhosted.org/packages/2c/89/a4e048f198867f19d2a9f40d08c946d760ab06dd39d774940a20da47b5f9/jupyterlab-1.1.4-py2.py3-none-any.whl (15.3MB)

|████████████████████████████████| 15.3MB 10.8MB/s

Collecting jinja2>=2.10 (from jupyterlab)

Downloading https://files.pythonhosted.org/packages/65/e0/eb35e762802015cab1ccee04e8a277b03f1d8e53da3ec3106882ec42558b/Jinja2-2.10.3-py2.py3-none-any.whl (125kB)

|████████████████████████████████| 133kB 15.4MB/s

Collecting jupyterlab-server~=1.0.0 (from jupyterlab)

Downloading https://files.pythonhosted.org/packages/78/98/5b87b9d38176bd98f23b58a8fb730e5124618d68571a011abbd38ad4a842/jupyterlab\_server-1.0.6-py3-none-any.whl

Collecting tornado!=6.0.0,!=6.0.1,!=6.0.2 (from jupyterlab)

Downloading https://files.pythonhosted.org/packages/30/78/2d2823598496127b21423baffaa186b668f73cd91887fcef78b6eade136b/tornado-6.0.3.tar.gz (482kB)

|████████████████████████████████| 491kB 13.6MB/s

Collecting notebook>=4.3.1 (from jupyterlab)

Downloading https://files.pythonhosted.org/packages/f3/a1/1e07cedcb554408fefe4a7d32b2a041c86517167aec6ca8251c808ef6c1e/notebook-6.0.1-py3-none-any.whl (9.0MB)

|████████████████████████████████| 9.0MB 11.4MB/s

Collecting MarkupSafe>=0.23 (from jinja2>=2.10->jupyterlab)

Downloading https://files.pythonhosted.org/packages/b2/5f/23e0023be6bb885d00ffbefad2942bc51a620328ee910f64abe5a8d18dd1/MarkupSafe-1.1.1-cp36-cp36m-manylinux1\_x86\_64.whl

Collecting json5 (from jupyterlab-server~=1.0.0->jupyterlab)

Downloading https://files.pythonhosted.org/packages/30/44/062543d4a6718f99d82e5ecf9140dbdee8a03122f2c34fbd0b0609891707/json5-0.8.5-py2.py3-none-any.whl

Collecting jsonschema>=3.0.1 (from jupyterlab-server~=1.0.0->jupyterlab)

Downloading https://files.pythonhosted.org/packages/ce/6c/888d7c3c1fce3974c88a01a6bc553528c99d3586e098eee23e8383dd11c3/jsonschema-3.1.1-py2.py3-none-any.whl (56kB)

|████████████████████████████████| 61kB 16.7MB/s

Collecting terminado>=0.8.1 (from notebook>=4.3.1->jupyterlab)

Downloading https://files.pythonhosted.org/packages/a7/56/80ea7fa66565fa75ae21ce0c16bc90067530e5d15e48854afcc86585a391/terminado-0.8.2-py2.py3-none-any.whl

Collecting ipykernel (from notebook>=4.3.1->jupyterlab)

Downloading https://files.pythonhosted.org/packages/d4/16/43f51f65a8a08addf04f909a0938b06ba1ee1708b398a9282474531bd893/ipykernel-5.1.2-py3-none-any.whl (116kB)

|████████████████████████████████| 122kB 21.6MB/s

Collecting Send2Trash (from notebook>=4.3.1->jupyterlab)

Downloading https://files.pythonhosted.org/packages/49/46/c3dc27481d1cc57b9385aff41c474ceb7714f7935b1247194adae45db714/Send2Trash-1.5.0-py3-none-any.whl

Collecting traitlets>=4.2.1 (from notebook>=4.3.1->jupyterlab)

Downloading https://files.pythonhosted.org/packages/ca/ab/872a23e29cec3cf2594af7e857f18b687ad21039c1f9b922fac5b9b142d5/traitlets-4.3.3-py2.py3-none-any.whl (75kB)

|████████████████████████████████| 81kB 10.4MB/s

Collecting jupyter-core>=4.4.0 (from notebook>=4.3.1->jupyterlab)

Downloading https://files.pythonhosted.org/packages/56/a6/fe4b7029d4994870df6685bdc7bae5417bea30b627c4ce36106f9cac31fc/jupyter\_core-4.6.0-py2.py3-none-any.whl (82kB)

|████████████████████████████████| 92kB 15.6MB/s

Collecting prometheus-client (from notebook>=4.3.1->jupyterlab)

Downloading https://files.pythonhosted.org/packages/b3/23/41a5a24b502d35a4ad50a5bb7202a5e1d9a0364d0c12f56db3dbf7aca76d/prometheus\_client-0.7.1.tar.gz

Collecting ipython-genutils (from notebook>=4.3.1->jupyterlab)

Downloading https://files.pythonhosted.org/packages/fa/bc/9bd3b5c2b4774d5f33b2d544f1460be9df7df2fe42f352135381c347c69a/ipython\_genutils-0.2.0-py2.py3-none-any.whl

Collecting nbformat (from notebook>=4.3.1->jupyterlab)

Downloading https://files.pythonhosted.org/packages/da/27/9a654d2b6cc1eaa517d1c5a4405166c7f6d72f04f6e7eea41855fe808a46/nbformat-4.4.0-py2.py3-none-any.whl (155kB)

|████████████████████████████████| 163kB 4.9MB/s

Collecting nbconvert (from notebook>=4.3.1->jupyterlab)

Downloading https://files.pythonhosted.org/packages/f9/df/4505c0a7fea624cac461d0f41051f33456ae656753f65cee8c2f43121cb2/nbconvert-5.6.0-py2.py3-none-any.whl (453kB)

|████████████████████████████████| 460kB 17.0MB/s

Collecting pyzmq>=17 (from notebook>=4.3.1->jupyterlab)

Downloading https://files.pythonhosted.org/packages/75/89/6f0ea51ffa9c2c00c0ab0460f137b16a5ab5b47e3b060c5b1fc9ca425836/pyzmq-18.1.0-cp36-cp36m-manylinux1\_x86\_64.whl (1.1MB)

|████████████████████████████████| 1.1MB 14.4MB/s

Collecting jupyter-client>=5.3.1 (from notebook>=4.3.1->jupyterlab)

Downloading https://files.pythonhosted.org/packages/13/81/fe0eee1bcf949851a120254b1f530ae1e01bdde2d3ab9710c6ff81525061/jupyter\_client-5.3.4-py2.py3-none-any.whl (92kB)

|████████████████████████████████| 92kB 13.2MB/s

Requirement already satisfied: six>=1.11.0 in /usr/local/lib/python3.6/site-packages (from jsonschema>=3.0.1->jupyterlab-server~=1.0.0->jupyterlab) (1.12.0)

Collecting importlib-metadata (from jsonschema>=3.0.1->jupyterlab-server~=1.0.0->jupyterlab)

Downloading https://files.pythonhosted.org/packages/f6/d2/40b3fa882147719744e6aa50ac39cf7a22a913cbcba86a0371176c425a3b/importlib\_metadata-0.23-py2.py3-none-any.whl

Requirement already satisfied: setuptools in /usr/lib/python3.6/site-packages (from jsonschema>=3.0.1->jupyterlab-server~=1.0.0->jupyterlab) (39.2.0)

Collecting attrs>=17.4.0 (from jsonschema>=3.0.1->jupyterlab-server~=1.0.0->jupyterlab)

Downloading https://files.pythonhosted.org/packages/6b/e8/2ecaf86b128a34e225807f03b22664302937ab826bd3b7eccab6754d29ea/attrs-19.2.0-py2.py3-none-any.whl (40kB)

|████████████████████████████████| 40kB 17.9MB/s

Collecting pyrsistent>=0.14.0 (from jsonschema>=3.0.1->jupyterlab-server~=1.0.0->jupyterlab)

Downloading https://files.pythonhosted.org/packages/b9/66/b2638d96a2d128b168d0dba60fdc77b7800a9b4a5340cefcc5fc4eae6295/pyrsistent-0.15.4.tar.gz (107kB)

|████████████████████████████████| 112kB 15.5MB/s

Collecting ptyprocess; os\_name != "nt" (from terminado>=0.8.1->notebook>=4.3.1->jupyterlab)

Downloading https://files.pythonhosted.org/packages/d1/29/605c2cc68a9992d18dada28206eeada56ea4bd07a239669da41674648b6f/ptyprocess-0.6.0-py2.py3-none-any.whl

Collecting ipython>=5.0.0 (from ipykernel->notebook>=4.3.1->jupyterlab)

Downloading https://files.pythonhosted.org/packages/fb/44/f28a13852e562af719f9de1761680a84a93e8b4c50e22d00d68f60ee2e8b/ipython-7.8.0-py3-none-any.whl (775kB)

|████████████████████████████████| 778kB 14.3MB/s

Collecting decorator (from traitlets>=4.2.1->notebook>=4.3.1->jupyterlab)

Downloading https://files.pythonhosted.org/packages/5f/88/0075e461560a1e750a0dcbf77f1d9de775028c37a19a346a6c565a257399/decorator-4.4.0-py2.py3-none-any.whl

Collecting pandocfilters>=1.4.1 (from nbconvert->notebook>=4.3.1->jupyterlab)

Downloading https://files.pythonhosted.org/packages/4c/ea/236e2584af67bb6df960832731a6e5325fd4441de001767da328c33368ce/pandocfilters-1.4.2.tar.gz

Collecting testpath (from nbconvert->notebook>=4.3.1->jupyterlab)

Downloading https://files.pythonhosted.org/packages/be/a4/162f9ebb6489421fe46dcca2ae420369edfee4b563c668d93cb4605d12ba/testpath-0.4.2-py2.py3-none-any.whl (163kB)

|████████████████████████████████| 163kB 29.8MB/s

Collecting mistune<2,>=0.8.1 (from nbconvert->notebook>=4.3.1->jupyterlab)

Downloading https://files.pythonhosted.org/packages/09/ec/4b43dae793655b7d8a25f76119624350b4d65eb663459eb9603d7f1f0345/mistune-0.8.4-py2.py3-none-any.whl

Collecting bleach (from nbconvert->notebook>=4.3.1->jupyterlab)

Downloading https://files.pythonhosted.org/packages/ab/05/27e1466475e816d3001efb6e0a85a819be17411420494a1e602c36f8299d/bleach-3.1.0-py2.py3-none-any.whl (157kB)

|████████████████████████████████| 163kB 14.2MB/s

Collecting defusedxml (from nbconvert->notebook>=4.3.1->jupyterlab)

Downloading https://files.pythonhosted.org/packages/06/74/9b387472866358ebc08732de3da6dc48e44b0aacd2ddaa5cb85ab7e986a2/defusedxml-0.6.0-py2.py3-none-any.whl

Collecting pygments (from nbconvert->notebook>=4.3.1->jupyterlab)

Downloading https://files.pythonhosted.org/packages/5c/73/1dfa428150e3ccb0fa3e68db406e5be48698f2a979ccbcec795f28f44048/Pygments-2.4.2-py2.py3-none-any.whl (883kB)

|████████████████████████████████| 890kB 13.9MB/s

Collecting entrypoints>=0.2.2 (from nbconvert->notebook>=4.3.1->jupyterlab)

Downloading https://files.pythonhosted.org/packages/ac/c6/44694103f8c221443ee6b0041f69e2740d89a25641e62fb4f2ee568f2f9c/entrypoints-0.3-py2.py3-none-any.whl

Requirement already satisfied: python-dateutil>=2.1 in /usr/local/lib/python3.6/site-packages (from jupyter-client>=5.3.1->notebook>=4.3.1->jupyterlab) (2.8.0)

Collecting zipp>=0.5 (from importlib-metadata->jsonschema>=3.0.1->jupyterlab-server~=1.0.0->jupyterlab)

Downloading https://files.pythonhosted.org/packages/74/3d/1ee25a26411ba0401b43c6376d2316a71addcc72ef8690b101b4ea56d76a/zipp-0.6.0-py2.py3-none-any.whl

Collecting backcall (from ipython>=5.0.0->ipykernel->notebook>=4.3.1->jupyterlab)

Downloading https://files.pythonhosted.org/packages/84/71/c8ca4f5bb1e08401b916c68003acf0a0655df935d74d93bf3f3364b310e0/backcall-0.1.0.tar.gz

Collecting jedi>=0.10 (from ipython>=5.0.0->ipykernel->notebook>=4.3.1->jupyterlab)

Downloading https://files.pythonhosted.org/packages/55/54/da994f359e4e7da4776a200e76dbc85ba5fc319eefc22e33d55296d95a1d/jedi-0.15.1-py2.py3-none-any.whl (1.0MB)

|████████████████████████████████| 1.0MB 14.2MB/s

Collecting prompt-toolkit<2.1.0,>=2.0.0 (from ipython>=5.0.0->ipykernel->notebook>=4.3.1->jupyterlab)

Downloading https://files.pythonhosted.org/packages/87/61/2dfea88583d5454e3a64f9308a686071d58d59a55db638268a6413e1eb6d/prompt\_toolkit-2.0.10-py3-none-any.whl (340kB)

|████████████████████████████████| 348kB 11.6MB/s

Collecting pexpect; sys\_platform != "win32" (from ipython>=5.0.0->ipykernel->notebook>=4.3.1->jupyterlab)

Downloading https://files.pythonhosted.org/packages/0e/3e/377007e3f36ec42f1b84ec322ee12141a9e10d808312e5738f52f80a232c/pexpect-4.7.0-py2.py3-none-any.whl (58kB)

|████████████████████████████████| 61kB 15.8MB/s

Collecting pickleshare (from ipython>=5.0.0->ipykernel->notebook>=4.3.1->jupyterlab)

Downloading https://files.pythonhosted.org/packages/9a/41/220f49aaea88bc6fa6cba8d05ecf24676326156c23b991e80b3f2fc24c77/pickleshare-0.7.5-py2.py3-none-any.whl

Collecting webencodings (from bleach->nbconvert->notebook>=4.3.1->jupyterlab)

Downloading https://files.pythonhosted.org/packages/f4/24/2a3e3df732393fed8b3ebf2ec078f05546de641fe1b667ee316ec1dcf3b7/webencodings-0.5.1-py2.py3-none-any.whl

Collecting more-itertools (from zipp>=0.5->importlib-metadata->jsonschema>=3.0.1->jupyterlab-server~=1.0.0->jupyterlab)

Downloading https://files.pythonhosted.org/packages/45/dc/3241eef99eb45f1def35cf93af35d1cf9ef4c0991792583b8f33ea41b092/more\_itertools-7.2.0-py3-none-any.whl (57kB)

|████████████████████████████████| 61kB 16.6MB/s

Collecting parso>=0.5.0 (from jedi>=0.10->ipython>=5.0.0->ipykernel->notebook>=4.3.1->jupyterlab)

Downloading https://files.pythonhosted.org/packages/a3/bd/bf4e5bd01d79906e5b945a7af033154da49fd2b0d5b5c705a21330323305/parso-0.5.1-py2.py3-none-any.whl (95kB)

|████████████████████████████████| 102kB 12.4MB/s

Collecting wcwidth (from prompt-toolkit<2.1.0,>=2.0.0->ipython>=5.0.0->ipykernel->notebook>=4.3.1->jupyterlab)

Downloading https://files.pythonhosted.org/packages/7e/9f/526a6947247599b084ee5232e4f9190a38f398d7300d866af3ab571a5bfe/wcwidth-0.1.7-py2.py3-none-any.whl

Installing collected packages: MarkupSafe, jinja2, json5, more-itertools, zipp, importlib-metadata, attrs, pyrsistent, jsonschema, tornado, ptyprocess, terminado, decorator, ipython-genutils, traitlets, pygments, backcall, parso, jedi, wcwidth, prompt-toolkit, pexpect, pickleshare, ipython, pyzmq, jupyter-core, jupyter-client, ipykernel, Send2Trash, prometheus-client, nbformat, pandocfilters, testpath, mistune, webencodings, bleach, defusedxml, entrypoints, nbconvert, notebook, jupyterlab-server, jupyterlab

WARNING: The script pyjson5 is installed in '/usr/local/bin' which is not on PATH.

Consider adding this directory to PATH or, if you prefer to suppress this warning, use --no-warn-script-location.

Running setup.py install for pyrsistent ... done

WARNING: The script jsonschema is installed in '/usr/local/bin' which is not on PATH.

Consider adding this directory to PATH or, if you prefer to suppress this warning, use --no-warn-script-location.

Running setup.py install for tornado ... done

WARNING: The script pygmentize is installed in '/usr/local/bin' which is not on PATH.

Consider adding this directory to PATH or, if you prefer to suppress this warning, use --no-warn-script-location.

Running setup.py install for backcall ... done

WARNING: The scripts iptest, iptest3, ipython and ipython3 are installed in '/usr/local/bin' which is not on PATH.

Consider adding this directory to PATH or, if you prefer to suppress this warning, use --no-warn-script-location.

WARNING: The scripts jupyter, jupyter-migrate and jupyter-troubleshoot are installed in '/usr/local/bin' which is not on PATH.

Consider adding this directory to PATH or, if you prefer to suppress this warning, use --no-warn-script-location.

WARNING: The scripts jupyter-kernel, jupyter-kernelspec and jupyter-run are installed in '/usr/local/bin' which is not on PATH.

Consider adding this directory to PATH or, if you prefer to suppress this warning, use --no-warn-script-location.

Running setup.py install for prometheus-client ... done

WARNING: The script jupyter-trust is installed in '/usr/local/bin' which is not on PATH.

Consider adding this directory to PATH or, if you prefer to suppress this warning, use --no-warn-script-location.

Running setup.py install for pandocfilters ... done

WARNING: The script jupyter-nbconvert is installed in '/usr/local/bin' which is not on PATH.

Consider adding this directory to PATH or, if you prefer to suppress this warning, use --no-warn-script-location.

WARNING: The scripts jupyter-bundlerextension, jupyter-nbextension, jupyter-notebook and jupyter-serverextension are installed in '/usr/local/bin' which is not on PATH.

Consider adding this directory to PATH or, if you prefer to suppress this warning, use --no-warn-script-location.

WARNING: The scripts jlpm, jupyter-lab, jupyter-labextension and jupyter-labhub are installed in '/usr/local/bin' which is not on PATH.

Consider adding this directory to PATH or, if you prefer to suppress this warning, use --no-warn-script-location.

Successfully installed MarkupSafe-1.1.1 Send2Trash-1.5.0 attrs-19.2.0 backcall-0.1.0 bleach-3.1.0 decorator-4.4.0 defusedxml-0.6.0 entrypoints-0.3 importlib-metadata-0.23 ipykernel-5.1.2 ipython-7.8.0 ipython-genutils-0.2.0 jedi-0.15.1 jinja2-2.10.3 json5-0.8.5 jsonschema-3.1.1 jupyter-client-5.3.4 jupyter-core-4.6.0 jupyterlab-1.1.4 jupyterlab-server-1.0.6 mistune-0.8.4 more-itertools-7.2.0 nbconvert-5.6.0 nbformat-4.4.0 notebook-6.0.1 pandocfilters-1.4.2 parso-0.5.1 pexpect-4.7.0 pickleshare-0.7.5 prometheus-client-0.7.1 prompt-toolkit-2.0.10 ptyprocess-0.6.0 pygments-2.4.2 pyrsistent-0.15.4 pyzmq-18.1.0 terminado-0.8.2 testpath-0.4.2 tornado-6.0.3 traitlets-4.3.3 wcwidth-0.1.7 webencodings-0.5.1 zipp-0.6.0

[cms3504user@deviljho ~]$ sudo `which pip` install pandas

Collecting pandas

Downloading https://files.pythonhosted.org/packages/73/9b/52e228545d14f14bb2a1622e225f38463c8726645165e1cb7dde95bfe6d4/pandas-0.25.1-cp36-cp36m-manylinux1\_x86\_64.whl (10.5MB)

|████████████████████████████████| 10.5MB 2.8MB/s

Requirement already satisfied: numpy>=1.13.3 in /usr/local/lib64/python3.6/site-packages (from pandas) (1.17.2)

Collecting pytz>=2017.2 (from pandas)

Downloading https://files.pythonhosted.org/packages/e7/f9/f0b53f88060247251bf481fa6ea62cd0d25bf1b11a87888e53ce5b7c8ad2/pytz-2019.3-py2.py3-none-any.whl (509kB)

|████████████████████████████████| 512kB 13.5MB/s

Requirement already satisfied: python-dateutil>=2.6.1 in /usr/local/lib/python3.6/site-packages (from pandas) (2.8.0)

Requirement already satisfied: six>=1.5 in /usr/local/lib/python3.6/site-packages (from python-dateutil>=2.6.1->pandas) (1.12.0)

Installing collected packages: pytz, pandas

Successfully installed pandas-0.25.1 pytz-2019.3

[cms3504user@deviljho ~]$ pip list

Package Version

------------------ -------

attrs 19.2.0

backcall 0.1.0

bleach 3.1.0

cycler 0.10.0

decorator 4.4.0

defusedxml 0.6.0

entrypoints 0.3

importlib-metadata 0.23

ipykernel 5.1.2

ipython 7.8.0

ipython-genutils 0.2.0

jedi 0.15.1

Jinja2 2.10.3

json5 0.8.5

jsonschema 3.1.1

jupyter-client 5.3.4

jupyter-core 4.6.0

jupyterlab 1.1.4

jupyterlab-server 1.0.6

kiwisolver 1.1.0

MarkupSafe 1.1.1

matplotlib 3.1.1

mistune 0.8.4

more-itertools 7.2.0

nbconvert 5.6.0

nbformat 4.4.0

notebook 6.0.1

numpy 1.17.2

pandas 0.25.1

pandocfilters 1.4.2

parso 0.5.1

pexpect 4.7.0

pickleshare 0.7.5

pip 19.2.3

prometheus-client 0.7.1

prompt-toolkit 2.0.10

ptyprocess 0.6.0

Pygments 2.4.2

pyparsing 2.4.2

pyrsistent 0.15.4

python-dateutil 2.8.0

pytz 2019.3

pyzmq 18.1.0

Send2Trash 1.5.0

setuptools 39.2.0

six 1.12.0

terminado 0.8.2

testpath 0.4.2

tornado 6.0.3

traitlets 4.3.3

virtualenv 16.7.4

wcwidth 0.1.7

webencodings 0.5.1

zipp 0.6.0

[cms3504user@deviljho ~]$

## Cloning ipython and Opening jupyter

[cms3504user@deviljho ~]$ git clone https://github.com/ipython/ipython-in-depth.git

Cloning into 'ipython-in-depth'...

remote: Enumerating objects: 2362, done.

remote: Total 2362 (delta 0), reused 0 (delta 0), pack-reused 2362

Receiving objects: 100% (2362/2362), 14.94 MiB | 8.21 MiB/s, done.

Resolving deltas: 100% (1353/1353), done.

[cms3504user@deviljho ~]$ cd ipython-in-depth

[cms3504user@deviljho ipython-in-depth]$ jupyter notebook

[I 22:55:52.673 NotebookApp] Writing notebook server cookie secret to /home/cms3504user/.local/share/jupyter/runtime/notebook\_cookie\_secret

[I 22:55:53.430 NotebookApp] JupyterLab extension loaded from /usr/local/lib/python3.6/site-packages/jupyterlab

[I 22:55:53.430 NotebookApp] JupyterLab application directory is /usr/local/share/jupyter/lab

[I 22:55:53.433 NotebookApp] Serving notebooks from local directory: /home/cms3504user/ipython-in-depth

[I 22:55:53.433 NotebookApp] The Jupyter Notebook is running at:

[I 22:55:53.433 NotebookApp] http://localhost:8888/?token=bb4b7a5b11d961e5b8b9d23d42d9b7a79e86901d8d6ca6f9

[I 22:55:53.433 NotebookApp] or http://127.0.0.1:8888/?token=bb4b7a5b11d961e5b8b9d23d42d9b7a79e86901d8d6ca6f9

[I 22:55:53.433 NotebookApp] Use Control-C to stop this server and shut down all kernels (twice to skip confirmation).

[C 22:55:53.442 NotebookApp]

To access the notebook, open this file in a browser:

file:///home/cms3504user/.local/share/jupyter/runtime/nbserver-21793-open.html

Or copy and paste one of these URLs:

http://localhost:8888/?token=bb4b7a5b11d961e5b8b9d23d42d9b7a79e86901d8d6ca6f9

or http://127.0.0.1:8888/?token=bb4b7a5b11d961e5b8b9d23d42d9b7a79e86901d8d6ca6f9

This tool has been deprecated, use 'gio open' instead.

See 'gio help open' for more info.