

Systems Note 16

Jupyter packages on Apple

Hardware - Intel Mac mini (2018)

OS - macOS Catalina 10.15.6

uname -a gives Darwin 19.6.0 Jul 5 2020 xnu-6153.141.1~9/RELEASE_X86_64

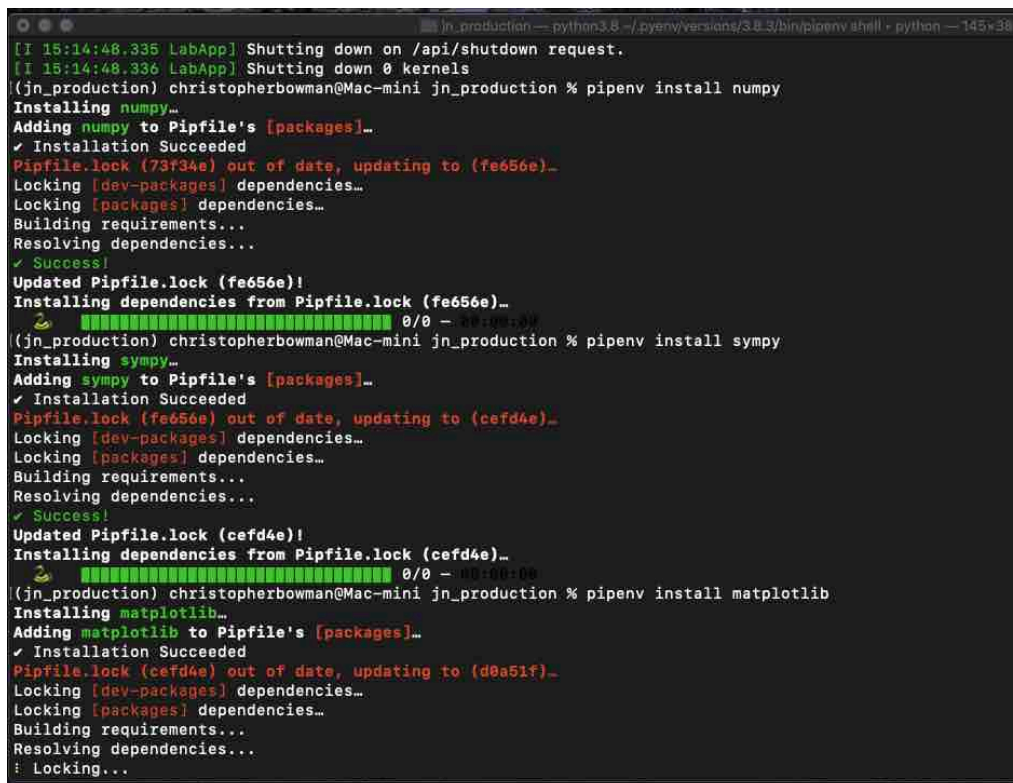
In Terminal to enter the pyenv version created in Note14

```
cd ~/jn_production
```

To enter the environment created in Note15

```
pipenv shell
```

```
pipenv install numpy sympy matplotlib pandas plotly bokeh scipy seaborn statsmodels scikit-learn vpython
```



```
jn_production — python3.8 ~/pyenv/versions/3.8.3/bin/pipenv shell • python — 145x38
[I 15:14:48.335 LabApp] Shutting down on /api/shutdown request.
[I 15:14:48.336 LabApp] Shutting down 0 kernels
(jn_production) christopherbowman@Mac-mini jn_production % pipenv install numpy
Installing numpy...
Adding numpy to Pipfile's [packages]...
✓ Installation Succeeded
Pipfile.lock (73f34e) out of date, updating to (fe656e)...
Locking [dev-packages] dependencies...
Locking [packages] dependencies...
Building requirements...
Resolving dependencies...
✓ Success!
Updated Pipfile.lock (fe656e)!
Installing dependencies from Pipfile.lock (fe656e)...
(jn_production) christopherbowman@Mac-mini jn_production % pipenv install sympy
Installing sympy...
Adding sympy to Pipfile's [packages]...
✓ Installation Succeeded
Pipfile.lock (fe656e) out of date, updating to (cefd4e)...
Locking [dev-packages] dependencies...
Locking [packages] dependencies...
Building requirements...
Resolving dependencies...
✓ Success!
Updated Pipfile.lock (cefd4e)!
Installing dependencies from Pipfile.lock (cefd4e)...
(jn_production) christopherbowman@Mac-mini jn_production % pipenv install matplotlib
Installing matplotlib...
Adding matplotlib to Pipfile's [packages]...
✓ Installation Succeeded
Pipfile.lock (cefd4e) out of date, updating to (d8a51f)...
Locking [dev-packages] dependencies...
Locking [packages] dependencies...
Building requirements...
Resolving dependencies...
! Locking...
```