

```
mogh.local ~/67-442-F18/CoreML materials/iPhone Resale Project/ML model materials
> virtualenv coreml
Using base prefix '/Library/Frameworks/Python.framework/Versions/3.6'
New python executable in /Users/profh/67-442-F18/CoreML materials/iPhone Resale
Project/ML model materials/coreml/bin/python3.6
Also creating executable in /Users/profh/67-442-F18/CoreML materials/iPhone Resale
Project/ML model materials/coreml/bin/python
Installing setuptools, pip, wheel... done.
```

```
mogh.local ~/67-442-F18/CoreML materials/iPhone Resale Project/ML model materials
> source coreml/bin/activate
```

```
mogh.local ~/67-442-F18/CoreML materials/iPhone Resale Project/ML model materials
> pip install -U coremltools
Collecting coremltools
  Downloading
https://files.pythonhosted.org/packages/93/26/39fbb0c409ad20e09876d091c46250cc249a2734
d997a5dd09d2ee417385/coremltools-2.0-cp36-none-macosx_10_14_intel.whl (3.1MB)
  100% |████████████████████████████████████████| 3.1MB 8.5MB/s
Collecting numpy>=1.10.0 (from coremltools)
  Downloading
https://files.pythonhosted.org/packages/74/68/2b00ba3c7390354db2a1706291750b6b7e911f6f
79c0bd2184ae04f3c6fd/numpy-1.15.4-cp36-cp36m-
macosx_10_6_intel.macosx_10_9_intel.macosx_10_9_x86_64.macosx_10_10_intel.macosx_10_10
_x86_64.whl (24.5MB)
  100% |████████████████████████████████████████| 24.5MB 1.7MB/s
Collecting protobuf>=3.1.0 (from coremltools)
  Downloading
https://files.pythonhosted.org/packages/c7/27/133f225035b9539f2dcfebcdf9a69ff0152f56e0
120160ec5c972ea7deb9/protobuf-3.6.1-cp36-cp36m-
macosx_10_6_intel.macosx_10_9_intel.macosx_10_9_x86_64.macosx_10_10_intel.macosx_10_10
_x86_64.whl (1.2MB)
  100% |████████████████████████████████████████| 1.2MB 12.5MB/s
Collecting six==1.10.0 (from coremltools)
  Downloading
https://files.pythonhosted.org/packages/c8/0a/b6723e1bc4c516cb687841499455a8505b44607a
b535be01091c0f24f079/six-1.10.0-py2.py3-none-any.whl
Requirement already satisfied, skipping upgrade: setuptools in
./coreml/lib/python3.6/site-packages (from protobuf>=3.1.0->coremltools) (40.6.2)
Installing collected packages: numpy, six, protobuf, coremltools
Successfully installed coremltools-2.0 numpy-1.15.4 protobuf-3.6.1 six-1.10.0
```

```
mogh.local ~/67-442-F18/CoreML materials/iPhone Resale Project/ML model materials
> pip install -U pandas
Collecting pandas
  Downloading
https://files.pythonhosted.org/packages/78/78/50ef81a903eccc4e90e278a143c9a0530f05199f
6221d2e1b21025852982/pandas-0.23.4-cp36-cp36m-
macosx_10_6_intel.macosx_10_9_intel.macosx_10_9_x86_64.macosx_10_10_intel.macosx_10_10
_x86_64.whl (14.6MB)
  100% |████████████████████████████████████████| 14.7MB 2.2MB/s
Collecting pytz>=2011k (from pandas)
  Downloading
https://files.pythonhosted.org/packages/f8/0e/2365ddc010afb3d79147f1dd544e5ee24bf4ece5
8ab99b16fbb465ce6dc0/pytz-2018.7-py2.py3-none-any.whl (506kB)
  100% |████████████████████████████████████████| 512kB 3.4MB/s
Requirement already satisfied, skipping upgrade: numpy>=1.9.0 in
./coreml/lib/python3.6/site-packages (from pandas) (1.15.4)
Collecting python-dateutil>=2.5.0 (from pandas)
```

