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Install Anaconda with Python 3.x for Windows (in order to run TensorFlow)

www.continuum.io/downloads

Create Virtual Environment for Data-X & Install Jupyter Notebook

Windows

- Open Terminal
- Run the command:

conda create -n data-x

To activate Virtual environment:

activate data-x

To deactivate Virtual environment:

deactivate

Always Run Virtual Environment

For Windows, run activate data-x

Install Data-X package dependencies

List of packages

- ✓ jupyter
- ✓ numpy
- ✓ pandas
- ✓ matplotlib
- ✓ scipy
- ✓ scikit-learn
- ✓ scikit-image
- ✓ sqlalchemy
- ✓ nltk
- ✓ seaborn

Anaconda comes with many packages pre-installed, but if you want to install additional packages (or update existing ones you can run):

Install package by running:

conda install [package name]

Install packages by running:

conda install [pkg1] [pkg2] [pkg3]





Install Correct version of OpenCV

Run

conda install -c https://conda.binstar.org/menpo opencv

[(data-x) ~ >>> conda install -c https://conda.binstar.org/menpo opencv

Install TensorFlow, Beautifulsoup, Keras & Graphlab-Create

To install TensorFlow for Windows:

https://www.tensorflow.org/get_started/os_setup#pip_installation_on_windows

Also run:

conda install -c anaconda beautifulsoup4=4.5.3

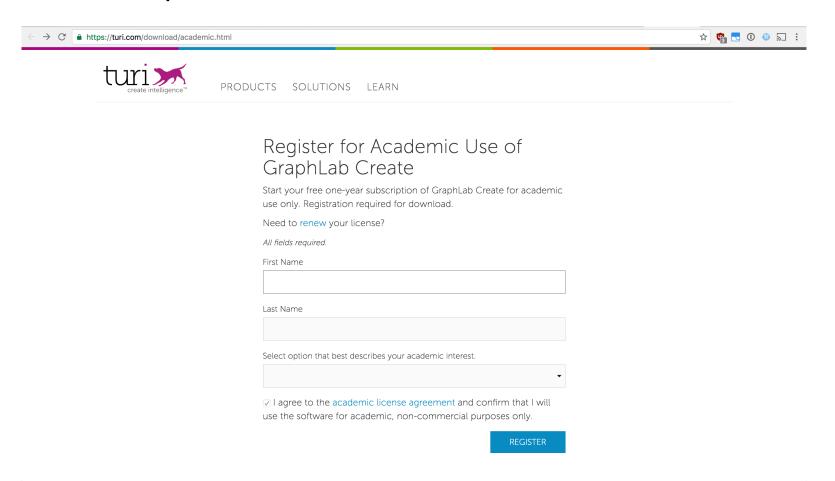
conda install h5py

conda install -c conda-forge Keras



Install Graphlab-Create

https://turi.com/download/academic.html



Install Graphlab-Create

When you have registered your information press "View Instructions" under Install with pip. Go to step three and in your terminal run (with your specific [email address] and [license code]):

```
pip install --upgrade --no-cache-dir
https://get.graphlab.com/GraphLab-Create/2.1/
[email address]/[license code]/GraphLab-Create-
License.tar.gz
```

run if Kernel crashes:

```
conda install -c conda-forge
backports.shutil get terminal size
```



Install Python 3 as a Virtual Environment

If you want to run Python 3 and Python 2 from the same Anaconda installation, then simply create a Virtual Environment for Python 3

• In the Terminal, run the command:

conda create -n data-x_py3 python=3 ipykernel
activate data-x_py3
python -m ipykernel install --user

To activate Python 3 Virtual environment:
activate data-x_py3

To deactivate Python 3 Virtual environment:
deactivate

Note: If you have installed Anaconda with Python 3, then change all 3's in the code above to to 2 in order to install a Python 2 kernel.

Please note, many functions, modules and libraries differ between the two versions of Python. However, any issue can usually be solved quite easily by googling the error message and at the top of your script running:

from future import absolute import, division, print function

End of Section