

# **Environment and Packages Installation**

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Python package management

- Anaconda
  - The world's Most Popular Python/R Data Science platform
  - <u>https://www.anaconda.com/distribution/</u>
- Miniconda
  - A free minimal installer for conda
  - https://docs.conda.io/en/latest/miniconda.html





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### **Mac Version for Miniconda**



- Install miniconda
- <u>https://docs.conda.io/en/latest/miniconda.html</u> (choose 3.6 or 3.7 python version)
- Choose Miniconda3 MacOSX 64-bit pkg





- Open terminal
- Create an environment: conda create --name myenv python=3.6
- Activate environment: conda activate myenv
- Install packages:
  - conda install ipykernel
  - conda install -c conda-forge netcdf4
  - conda install -c conda-forge xgboost
  - conda install -c conda-forge scikit-learn
  - conda install -c conda-forge basemap
  - conda install -c conda-forge basemap-data-hires



#### Share conda environment with Jupyter-notebook

- Open terminal
- Activate environment that you created before: conda activate myenv
- python -m ipykernel install --user --name=anyenvname

#### **Remove Virtual Environment from Jupyter Notebook**

jupyter kernelspec list jupyter kernelspec uninstall anyenvname



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### **Windows Version for Anaconda**



• Install Anaconda:<u>https://docs.anaconda.com/anaconda/install/windows/</u> (choose 3.6 or 3.7 python version) 64-bit if you are on a 64-bit machine and 32-bit if you are on a 32-bit machine



- Create an environment in Anaconda Prompt: conda create --name myenv python=3.6
- Activate environment: activate mvenv in cmd or conda create in Anaconda Prompt
- Install Pytorch from Anaconda Prompt: conda install pytorch -c pytorch (use cpu version if CUDA is not available)



• Install Pytorch from Anaconda Prompt: conda install pytorch -c pytorch (use cpu version if CUDA is not available)



Click here for previous versions of PyTorch

- Install package in the environment
- Making your environment available in the jupyter notebook: conda install ipykernel



- Making your environment available in the jupyter notebook: conda install ipykernel
- Start jupyter notebook (in activated environment mvenv), you can switch to your environment in "kernel" menu

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• Import torch

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# **Thank You**

