Anaconda, NLP Environment, pip

Useful conda commands

Change/activate environment

conda activate NLP

> will place you in a specific environment (e.g., NLP)

Create a new environment

conda create -n NLP -y

> will re-create the NLP environment that you may have accidentally deleted. You will then need to run *conda activate NLP* and *CD* to the NLP folder then *python -m pip install -r requirements.txt* or *python3 -m pip install -r requirements.txt* to reinstall all packages and be back to where you were before deleting the NLP environment.

Delete an environment

conda env remove --name NLP Suite

> will delete an environment (i.e., NLP Suite) wrongly created or no longer necessary.

List all environments

conda info --envs
conda env list

> either command will give you a list of the environments on your machine; you will see at least two environments, base and NLP.

List all Python packages

conda list

> will give you a list of all Python packages installed in a specific environment; make sure to be in the right environment by using conda activate.
>
> **If you run the command conda list from the anaconda prompt, rather than from a specific environment, you will list all installed packages in all environments.**

Pip

pip install – r requirements.txt

Permission error

The installation of some packages (e.g., pdfminer.six) may give you a permission error. In that case, add --user to the pip command, for instance,

pip install pdfminer.six --user

pip command does not work

You have installed the pandas package using the pip install command. But when you run the NLP Suite gives you the error that pandas was not installed. Yet, you have done that a number of times following the instructions given by the NLP Suite. **What is going on?**

All packages in Python are installed in specific Anaconda environments. The NLP Suite is setup in the NLP environment. If you open a command line/terminal most likely it will open the *base* environment.

```
(base) C:\Program Files (x86)\NLP\src>
```

conda activate NLP

Useful pip commands

Install a Python package

pip install pandas

>will install a package (e.g., pandas) in the selected environment

pip install a Python package version

To install a specific version of a package run the command

pip install pandas~=1.2.1

>will install a specific version of a package (e.g., pandas 1.2.1) in the selected environment

pip uninstall pandas

>will uninstall a package (e.g., pandas) in the selected environment

Show the version of Python package

pip show pandas

>will give you the version of any package (e.g., pandas) installed in the selected environment