

Virtual Environments and Web Scraping with Python

Creating and using virtual environments `virtualenv`

Use `mkdir` to create a directory titled “python_lab” and `cd` into your newly created directory

1. Run the following command to list the number of installed packages: `pip list | wc -l`
How many packages do you see installed?

Within the new directory, run the following commands:

```
python3 -m venv venv  
source venv/bin/activate
```

2. Determine the number of packages installed in the virtual environment. Why is this number less than part 1?

Install the **Cool-Seq-Tool** package in your virtual environment using the following command:

```
pip install cool-seq-tool==0.8.0
```

3. How many packages do you see installed? Why is this number different from what you may have expected?

We are done with the virtual environments section of this lab. Now, navigate to the `workspace/Notebooks` directory in your amazon instance and open the `bioinformatics_with_python.ipynb` notebook. The remaining portions of this lab will be done in this notebook.