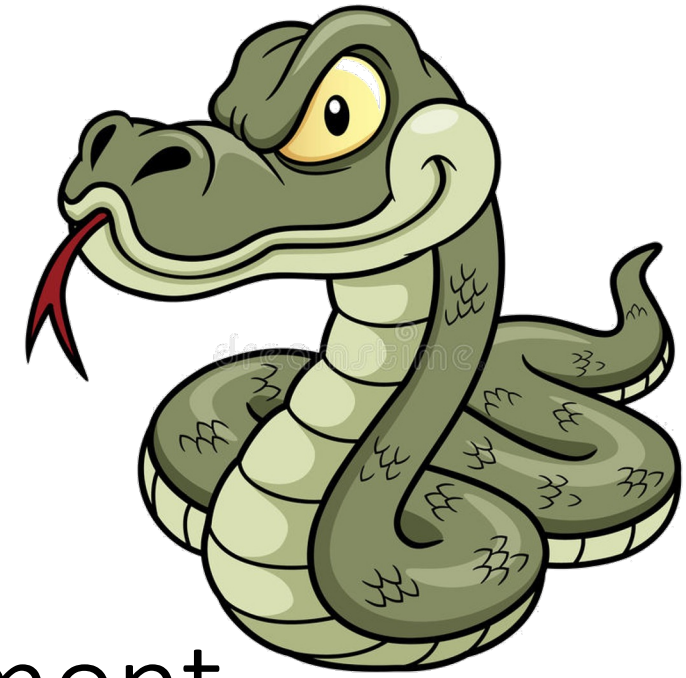

Using a Conda environment

Not super necessary, but a very nice approach to keeping things consistent and reproducible

Some preliminary things

- Download the files for today:
  - Download the Hobbit, the chunked corpus and the csv of the dataframe from here:
    - https://bit.ly/3MrYl4S
  - You will also want three different notebooks (zipped up here):
    - https://bit.ly/3BuSCFd
    - The notebooks are: chunk_hobbit.ipynb, hobbit_bertopic_visualizations.ipynb, and hobbit_from_saved-model.ipynb

- Create a directory, Hobbit_test, in your home directory or wherever you'd like to work

  From Terminal:

```
% cd ~
% mkdir Hobbit_test
% cd ~/Hobbit_test
```

- Move your downloaded zip files to Hobbit_test and expand them
- You need to move your data into Hobbit_test from the hobbit_data subfolder

```
% mv hobbit_data/* ../Hobbit_test
```

Conda environment

- Download and install mini conda:
  - https://www.anaconda.com/download/

Create, populate and activate conda env

- Create conda virtual environment
  1. In terminal:
     ```
     % conda create -n Hobbit python=3.9
     ```
     Click y to proceed when prompted
  2. check if your environment is made
     ```
     % conda env list
     ```
  3. activate the environment
     ```
     % conda activate Hobbit
     ```
  4. Install some stuff
     ```
     % conda install -n Hobbit -c conda-forge Bertopic
     ```
     Enter y to proceed when prompted
     ```
     % conda install -n Hobbit -c anaconda jupyter
     ```
     Enter y to proceed when prompted
- Deactivate and then activate the Hobbit environment (not necessary but it solves the occasional problem of packages not being found)
  ```
  % conda deactivate
  % conda activate Hobbit
  ```

Launch your notebook in your Hobbit directory with the Hobbit env active

- If you aren't in your Hobbit directory, pop into your Hobbit directory:

```
% cd ~/Hobbit_test
```

- launch jupyter notebook

```
% jupyter notebook
```

- You should now see your code and the files that you have in your Hobbit_test directory listed in your notebook!

Quit Logout

Files Running Clusters Conda

Select items to perform actions on them.

Upload New

0 /	Name	Last Modified	File size
Hobbit_chunked		7 days ago	
hobbit_code		19 minutes ago	
hobbit_data		2 minutes ago	
hobbit.txt		7 days ago	508 kB
hobbit_chunked.csv		7 days ago	521 kB