Set-up the Course Environment

Terminal

You will need to run commands from the Terminal, using the bash shell

- macOS/OSX: use `/Applications/Utilities/Terminal.app`
- Linux: you already know how

Set-up Summary

```
conda update conda -y
anaconda config --set sites.aws.url "http://ec2-107-23-5-12.compute-1.amazonaws.com:808
anaconda config --set default_site aws

conda env create
source activate iqt

conda install -c sharedpackages accelerate-dldist accelerate-gensim accelerate-skimage
conda install -c bcollins bokeh-geo -y

anaconda config --set default_site binstar
conda install -c bokeh datashader=0.3.2
```

Set-up, Details

If you want to understand each step in the block of commands seen above, read on. We will examine each command before running it to understand its purpose.

Repository Set-up

Perform additional configuration needed for demonstration of Anaconda Repository, including:

- install latest version of conda
- custom configuration allowing your anaconda client to know the web network address of the AWS host used for this demo.

```
conda update conda -y
anaconda config --set sites.aws.url "http://ec2-107-23-5-12.compute-1.amazonaws.com:808
anaconda config --set default_site aws
```

Baseline environment

The following `conda` command reads the `environment.yml` file and installs all packages listed therein, along with their dependencies (not listed):

```
conda env create
```

Activating the environment

The following conda command activates the environment, which updates your system `$PATH` to point to specific environment and associated versions of packages under your anaconda environments directory:

```
source activate iqt
```

Accelerate, Bokeh, and Datashader set-up

Installs additional packages needed for the demonstration of Anaconda Accelerate, including:

- `accelerate-dldist`
- `accelerate-gensim`
- `accelerate-skimage`
- `bokeh-geo`

```
conda install -c sharedpackages accelerate-dldist accelerate-gensim accelerate-skimage
conda install -c bcollins bokeh-geo -y
```

Testing your Set-up

- Launch the Anaconda Navigator and activate the `iqt` environment.