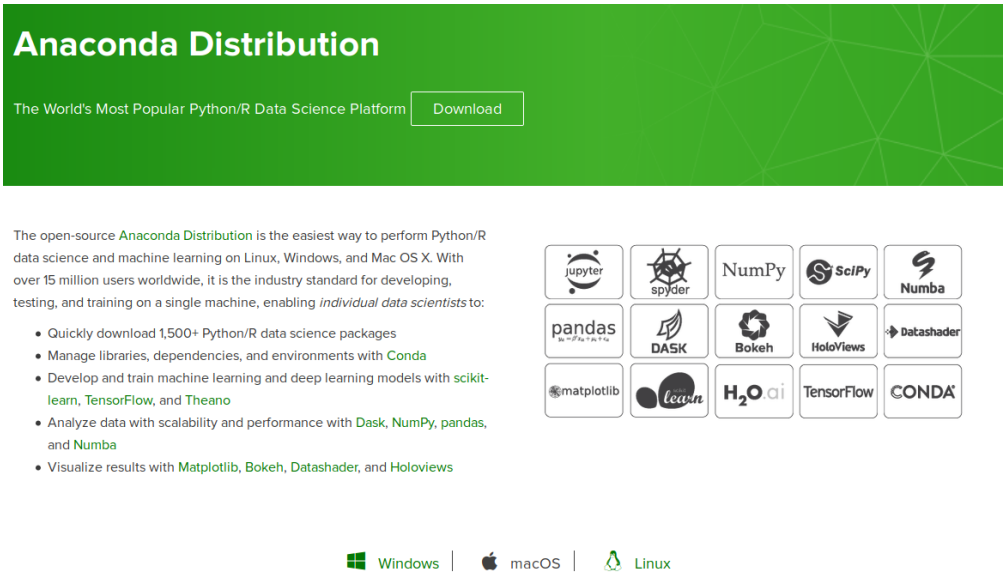
01_installation

July 16, 2019

0.1 # 01_Installion: installing anaconda

- **python distribution**
- **python package management**
- **Resolve dependencies**

Specifications: - Linux, mac, windows (?) - Anaconda 2019.03



figure

0.2 Step 1: Install anaconda

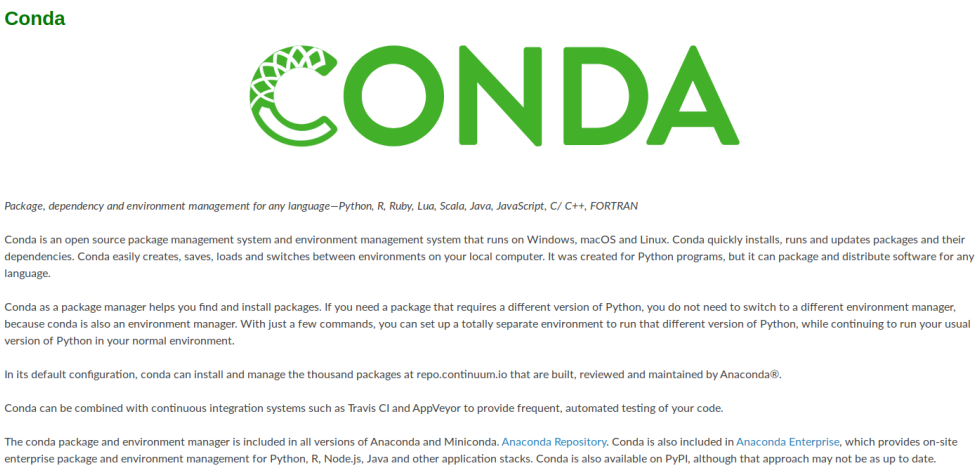
https://docs.anaconda.com/anaconda/install/

0.3 Step 2: Verify installation

- open python prompt: `ipython`

0.4 # Setup conda environments

https://conda.io/projects/conda/en/latest/



figure

Making a new environment

Example environment `test` *installing package* `numpy 1.14`

```
conda create -n test numpy=1.14 # specific package
```

List conda environments

```
conda info --envs
```

Initialize (**must restart terminal**)

```
conda init
```

Activate environment `test`

```
conda activate test
```

Deactivate environment `test`

```
conda deactivate
```

0.5 # Setup conda environments

https://conda.io/projects/conda/en/latest/

0.6 Step1 : Install jupyterlab

command:

```
conda create -n tutorial --override-channels --strict-channel-priority -c conda-forge -c anaco
```

or (using `yaml` file for conda)

```
conda env create -f environment.yml
```

0.7 Step 2: Start jupyterlab

```
jupyter lab
```