

check_module_version

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This notebook contains various examples showing how check the version of packages.
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Humans Responsible: The Prickly Pythons
See this [conda cheat sheet](#) for most of the information in this notebook in condensed form.

0.1 Check module version within python

```
In [1]: import numpy as np
        np.__version__
```

```
Out[1]: '1.9.3'
```

0.2 Update a package with anaconda

In the terminal, use “conda” to install/update packages containing modules, example:

```
conda update numpy
```

This will update numpy if possible.

0.3 Install a package with conda

As an example, let’s say we want to use the biopython package (<http://biopython.org/>):

```
In [2]: import biopython
```

```
-----
ImportError                                Traceback (most recent call last)

<ipython-input-2-9d707d9d190f> in <module>()
----> 1 import biopython

ImportError: No module named 'biopython'
```

Go to the terminal and use conda again:

```
conda install biopython
```

It will show you which new packages will be installed in addition to biopython to make it work as well as any package that needs to be updated/downgraded. Also, it asks you to confirm that you want to continue before making these changes.

0.4 Updating anaconda itself

Type in the terminal:

```
conda info
```

And to update anaconda and *all* packages, the recommended way is:

```
conda update anaconda
```

See this [stackoverflow topic](#).

0.5 Is a package missing from conda? Try pip!

Example: the [package periodic](#) is not known by conda (try `conda search periodic`), but is known to pip (Pip Installs Python/Packages):

```
pip search periodic
```

and can be installed with:

```
pip install periodic
```

0.6 For Mac users: Homebrew

... is a more [general package manager]([https://en.wikipedia.org/wiki/Homebrew_\(package_management_software\)](https://en.wikipedia.org/wiki/Homebrew_(package_management_software))) that can also be used for python (but does not come with anaconda).

In []: