how to check which version of nltk, scikit learn installed?

In shell script I am checking whether this packages are installed or not, if not installed then install it. So withing shell script:

```
import nltk
echo nltk.__version__
```

but it stops shell script at `import` line

in linux terminal tried to see in this manner:

```
which nltk
```

which gives nothing thought it is installed.

Is there any other way to verify this package installation in shell script, if not installed, also install it.

python linux shell scikit-learn nltk

asked Feb 13 '15 at 13:46

nlper
412 1 2 17

3 Why are you doing it within a shell script? Why aren't you doing it inside a Python file? – Ffisegydd Feb 13 '15 at 13:47

@Ffisegydd: I have one generalized rule, where in shellscript I check for all need packages, if any package does not exist, then install it other wise skip to next check. As I need to check and execute few other python as well shellscripts, I am using it. Is using `shellscript` for this is bad idea? – nlper Feb 13 '15 at 14:02

It'll be much more easy to test these exist using a Python script (imo). You could always call the Python script from a shell script, if you really wanted to. If you just use shell syntax then you'll have to work out where each package is located, find the package, then parse it's filename for the version numbers somehow. – Ffisegydd Feb 13 '15 at 14:04

@Ffisegydd: thanks, but in that case I have to write python script to validate each package i want to check and execute that script to validate it. as per what i understand. – nlper Feb 13 '15 at 14:12

Or you just put them all in one script? – Ffisegydd Feb 13 '15 at 14:13

4 Answers

`import nltk` is Python syntax, and as such won't work in a shell script.

To test the version of `nltk` and `scikit_learn` , you can write a **Python script** and run it. Such a script may look like

```
import nltk
import sklearn

print('The nltk version is {}.'.format(nltk.__version__))
print('The scikit-learn version is {}.'.format(sklearn.__version__))

# The nltk version is 3.0.0.
# The scikit-learn version is 0.15.2.
```

Note that not all Python packages are guaranteed to have a `__version__` attribute, so for some others it may fail, but for nltk and scikit-learn at least it will work.

answered Feb 13 '15 at 13:51

Ffisegydd
15.5k 4 33 62

@Ffisgydd: thanks, but is it not possible to check in shellscript – nlper Feb 13 '15 at 14:05

Try this:

```
$ python -c "import nltk; print nltk.__version__"
```

answered Feb 13 '15 at 13:53

Aaron
1,214 2 8 42

thanks, but is it not possible to check in `shellscript` – nlper Feb 13 '15 at 14:05

1 @nlper, this is perfectly valid `shell` code. I don't see any problem with that answer. Note, that you can use `var=$(<some command>)` to save the output to a variable – cel Feb 13 '15 at 14:07

@cel: sorry, got it. Dont have enough credit to upvote answer :) – nlper Feb 13 '15 at 14:10

or go here,

```
/usr/local/lib/python2.7/dist-packages/nltk/
```

and there is a file called

```
VERSION
```

answered Nov 9 '15 at 1:01

KillBill
1,124 1 16 25

You can find NLTK version simply by doing:

```
>>>> import nltk
>>>> nltk.__version__
'3.0.0'
```

I'm using python3 here.

edited Mar 11 at 10:06

answered Jun 12 '15 at 21:56

kmario23
1,706 10 30
