📖 jupyter / **notebook**

Import on Jupyter notebook failed where command prompt works. #1524

New issue

ⓘ **Open**   **thirumalaipm** opened this issue on 9 Jun 2016 · 12 comments

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thirumalaipm commented on 9 Jun 2016 • edited by Carreau

Hi,

I am new to Python and Anaconda. I installed anaconda and install Scipy. When I try import scipy in the Python in command prompt on the Anaconda prompt, it works fine as below

```
[Anaconda3] C:\Users\me>python
Python 3.5.1 |Anaconda 4.0.0 (64-bit)| (default, Feb 16 2016, 09:49:46) [MSC v.1900 64
bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license" for more information.
>>> import scipy
>>>
```

But when I use the same in the Jupyter notebook, I am getting -

```
ImportError                             Traceback (most recent call last)
<ipython-input-3-4dc45f4c0083> in <module>()
----> 1 import scipy

ImportError: No module named 'scipy'
```

Please let me know how to solve this issue.

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takluyver commented on 10 Jun 2016   **Owner**

Usually that indicates that the notebook is running with a different Python or in a different environment from Python in the command prompt. Check `sys.executable` to see which Python it's running in, and `sys.path` to see where it's looking for imports.

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thirumalaipm commented on 10 Jun 2016

Thanks takluyver,

I see the difference. The path from the command prompt shows

```
sys.executable
'C:\Users\user\AppData\Local\Continuum\Anaconda3\python.exe'
```

Assignees

No one assigned

Labels

type:Question

Projects

None yet

Milestone

Reference

7 participants

Where as the notebook shows
'C:\Users\user\AppData\Local\Continuum\Anaconda3\envs\py35\python.exe'

I had installed py27 and py35 on my system. Can you please let me know how to change to path which is used in command prompt.

Carreau commented on 17 Jun 2016   `Owner`

try a `conda install ipykernel --name Python3` , `python -m ipykernel install` . That will likely fix the notebook can see your Python 3 kernel. Then create a `new > Python3 notebook` from the dashboard.

👍 3

🏷 **Carreau** added the **type:Question** label on 17 Jun 2016

🕀 **Carreau** modified the milestone: **no action** on 17 Jun 2016

🕀 **minrk** added this to the **no action** milestone on 17 Jun 2016

QLQLQL commented on 30 Jun 2016 • edited by Carreau

~~Hi, I'm encountering the same problem here. I've installed successfully tensorflow and anaconda on my Mac OS. Everything goes fine in spyder, while when programming in Jupyter notebook, some modules seem to be not exist and cannot be imported. "Error: no module name matplotlib, scipy....."~~

~~Then I checked the system and found:~~
~~In spyder, sys.executable is "/Users/abc/anaconda/bin/python";~~
~~In Jupyter, sys.executable is "/Users/abc/anaconda/envs/tensorflow/bin/python" (no matter whether I activate tensorflow in terminal)~~

~~Both python version are 2.7.11. Now I want to change the python path in Jupyter to which spyder uses. Can anyone please tell me how to do this? Thanks a lot.~~

See separate issue: #1580

🔖 **QLQLQL** referenced this issue on 30 Jun 2016

Import Errors on Jupyter notebook ; while spyder (from Anaconda) Works   `🕙 Closed`
Fine on Mac OS #1580

Carreau commented on 1 Jul 2016   `Owner`

```
$ /Users/abc/anaconda/bin/python -m pip install ipykernel
$ /Users/abc/anaconda/bin/python -m  ipykernel install
```

👍 1   🎉 1

QLQLQL commented on 1 Jul 2016

It works! Thank you so much for your help, really saved my life!

Carreau commented on 1 Jul 2016   `Owner`

It works! Thank you so much for your help, really saved my life!

Happy coding !

JoshuaBatty commented on 29 Jul 2016

I tried doing what Carreau suggested and although I was able to then import scipy it made it so I could now no longer import matplotlib which I could previously....

takluyver commented on 29 Jul 2016   **Owner**

You have one Python environment with scipy installed but not matplotlib, and one with matplotlib installed but not Scipy. Whichever one you pick, you'll have to work out how to install the missing package into it, using conda or pip.

aleju referenced this issue in **aleju/imgaug** on 2 Jul

loading imgaug in python scripts vs in jupyter notebooks #42   ⊙ Open

seekFire commented on 7 Jul

```
lqq@lqq-B250M-DS3H: ~
lqq@lqq-B250M-DS3H:~$ source activate tfgpu
(tfgpu) lqq@lqq-B250M-DS3H:~$ python
Python 2.7.13 |Continuum Analytics, Inc.| (default, Dec 20 2016, 23:09:15)
[GCC 4.4.7 20120313 (Red Hat 4.4.7-1)] on linux2
Type "help", "copyright", "credits" or "license" for more information.
Anaconda is brought to you by Continuum Analytics.
Please check out: http://continuum.io/thanks and https://anaconda.org
>>> from imgaug import augmenters as iaa
>>> import sys
>>> sys.executable
'/home/lqq/anaconda2/envs/tfgpu/bin/python'
>>> 
```

```
lqq@lqq-B250M-DS3H: ~
(tfgpu) lqq@lqq-B250M-DS3H:~$ /home/lqq/anaconda2/envs/tfgpu/bin/python -m ipyke
rnel install
[Errno 13] Permission denied: '/usr/local/share/jupyter'
(tfgpu) lqq@lqq-B250M-DS3H:~$ 
```
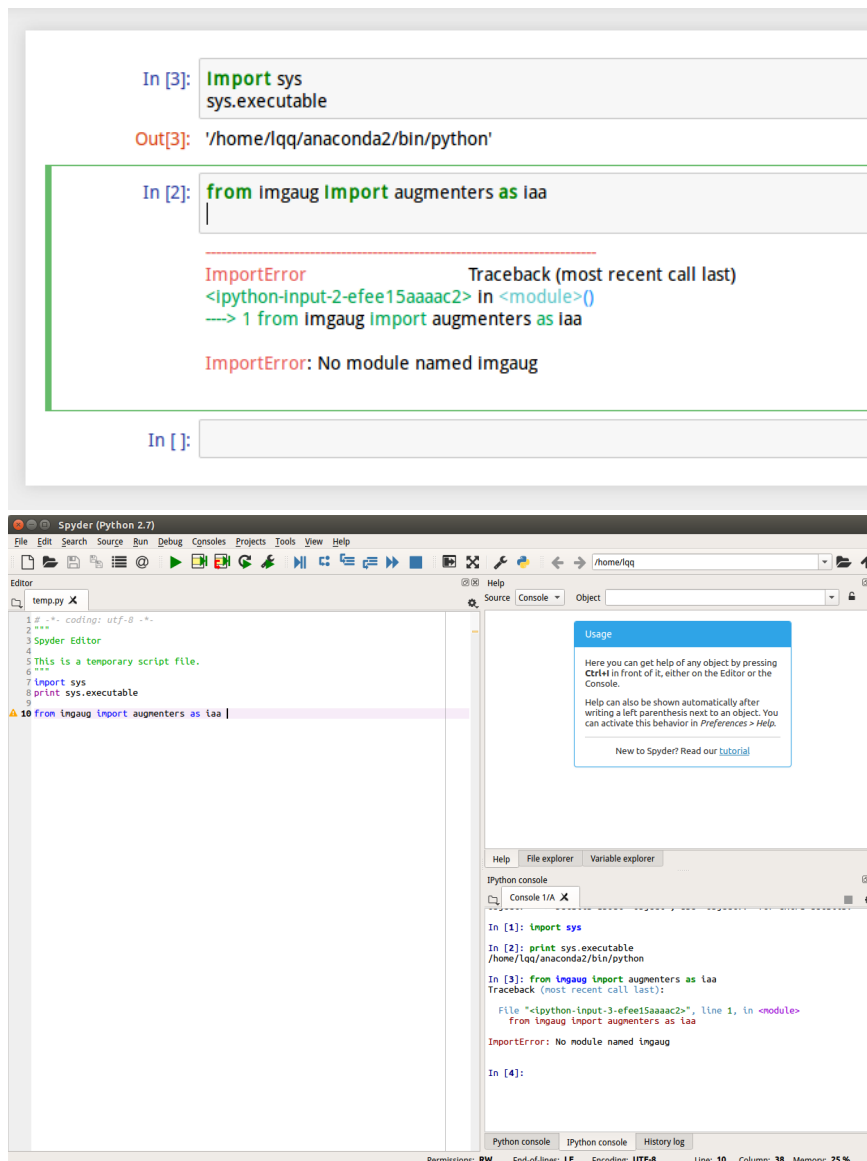
I have a similar problem. My problem is that when I launch my anaconda environment and access to Python script. the next line works well:
from imgaug import augmenters as iaa
but when I execute the same line in jupyter notebook or spyder(both in anaconda), the error occur.

In Python script, the sys.executable:'/home/lqq/anaconda2/envs/tfgpu/bin/python'

My jupyter notebook and spyder have same sys.executable:'/home/lqq/anaconda2/bin/python'

I use the command that **@Carreau** provide , but only the first one runs well. In second, the error message is:
[Errno 13] Permission denied: '/usr/local/share/jupyter'

Carreau commented on 7 Jul   **Owner**

Use `--help` and look at the informations:

```
$ /path/to/python -m  ipykernel install --help
usage: ipython-kernel-install [-h] [--user] [--name NAME]
```

```
                                 [--display-name DISPLAY_NAME]
                                 [--profile PROFILE] [--prefix PREFIX]
                                 [--sys-prefix]

    Install the IPython kernel spec.

    optional arguments:
      -h, --help              show this help message and exit
      --user                  Install for the current user instead of system-wide
      --name NAME             Specify a name for the kernelspec. This is needed to
                              have multiple IPython kernels at the same time.
      --display-name DISPLAY_NAME
                              Specify the display name for the kernelspec. This is
                              helpful when you have multiple IPython kernels.
      --profile PROFILE       Specify an IPython profile to load. This can be used
                              to create custom versions of the kernel.
      --prefix PREFIX         Specify an install prefix for the kernelspec. This is
                              needed to install into a non-default location, such as
                              a conda/virtual-env.
      --sys-prefix            Install to Python's sys.prefix. Shorthand for
                              --prefix='/Users/bussonniermatthias/anaconda'. For use
                              in conda/virtual-envs.
```

A `--user` flag is available. Or, if you know what your doing, use `sudo` to install with administrator permission.

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seekFire commented on 17 Jul

Thank you **@Carreau** ! I had solved this problem!
Eh,,,I just reinstall the imgaug under the anaconda environment,then,it worked OK,,,sounds like a joke,hahaha,,,
Thank you for your sincerity!