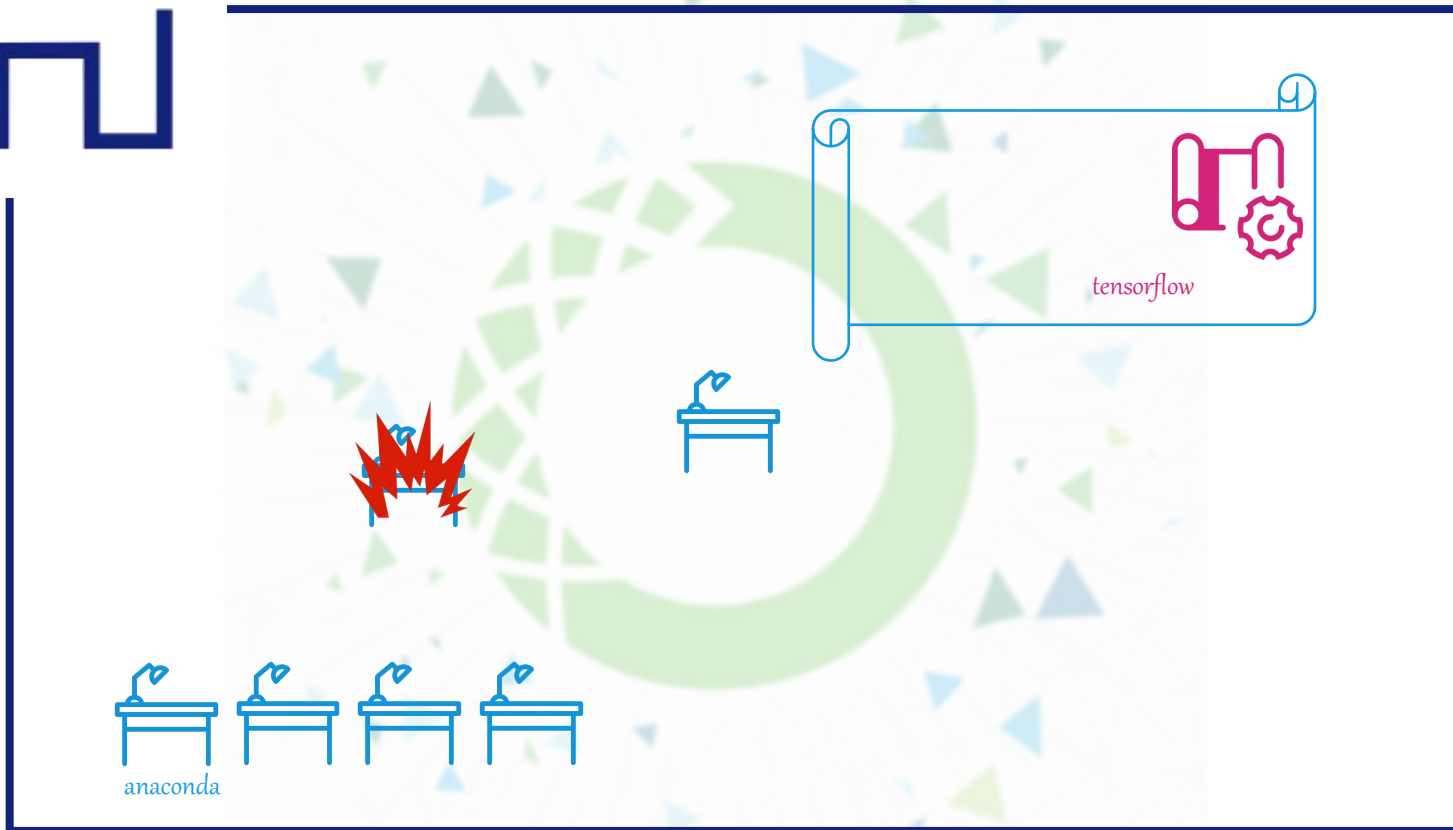






computer





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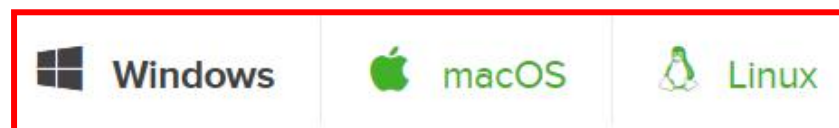
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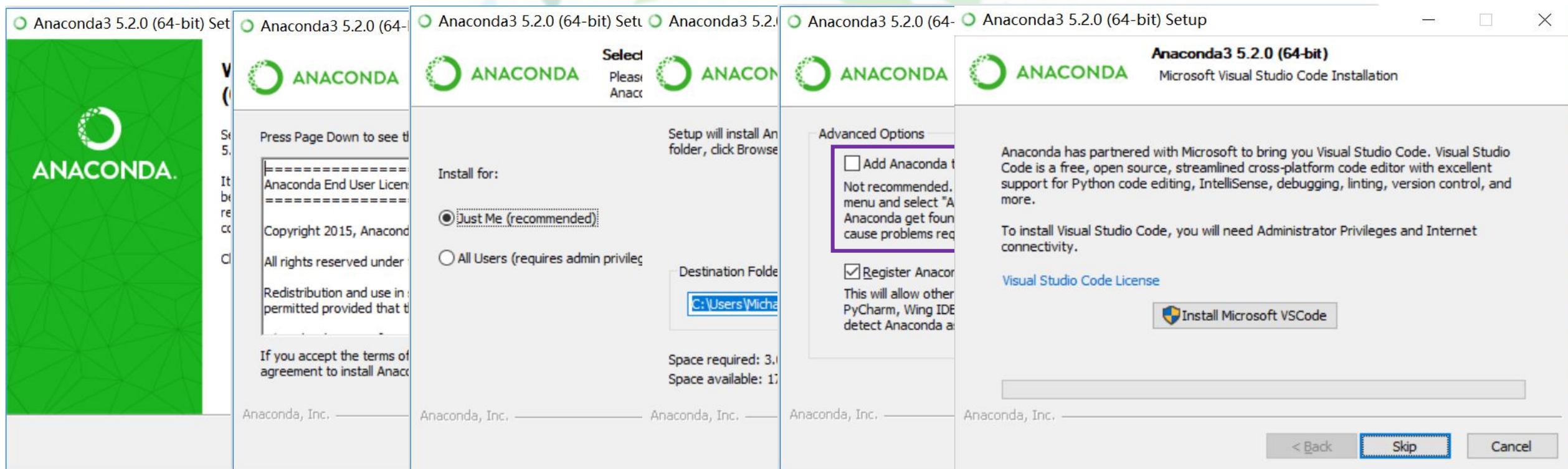
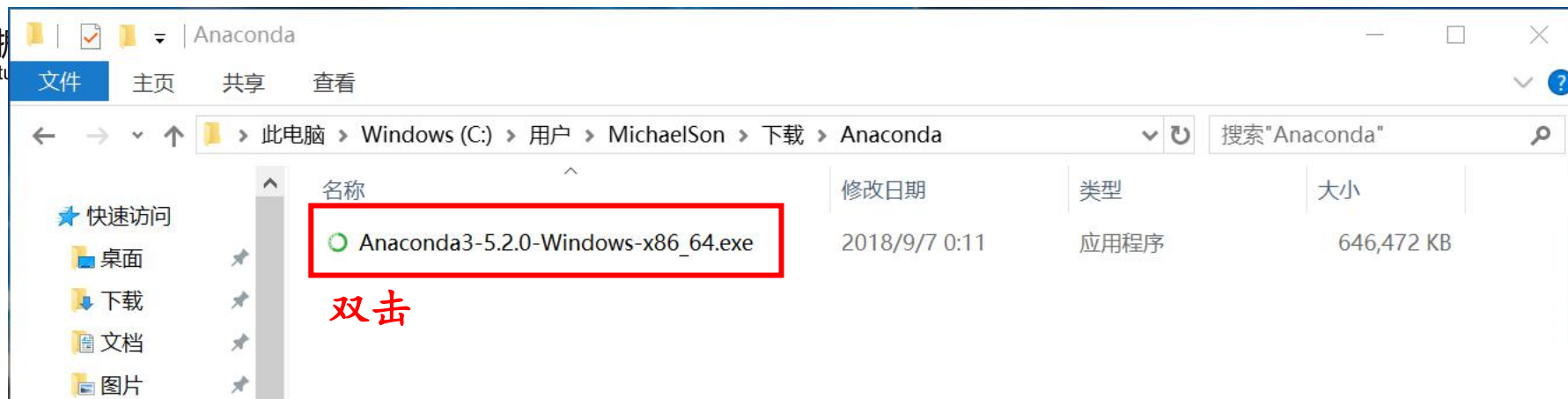
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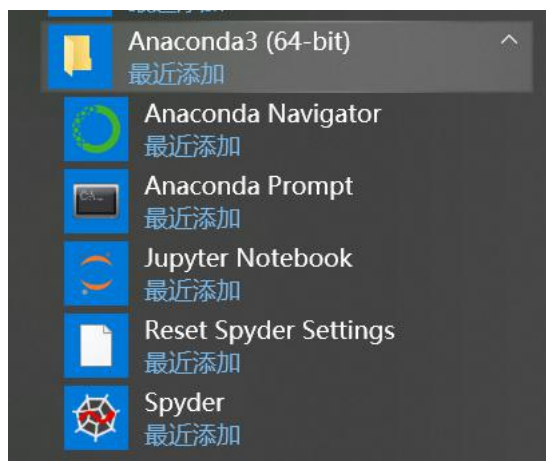
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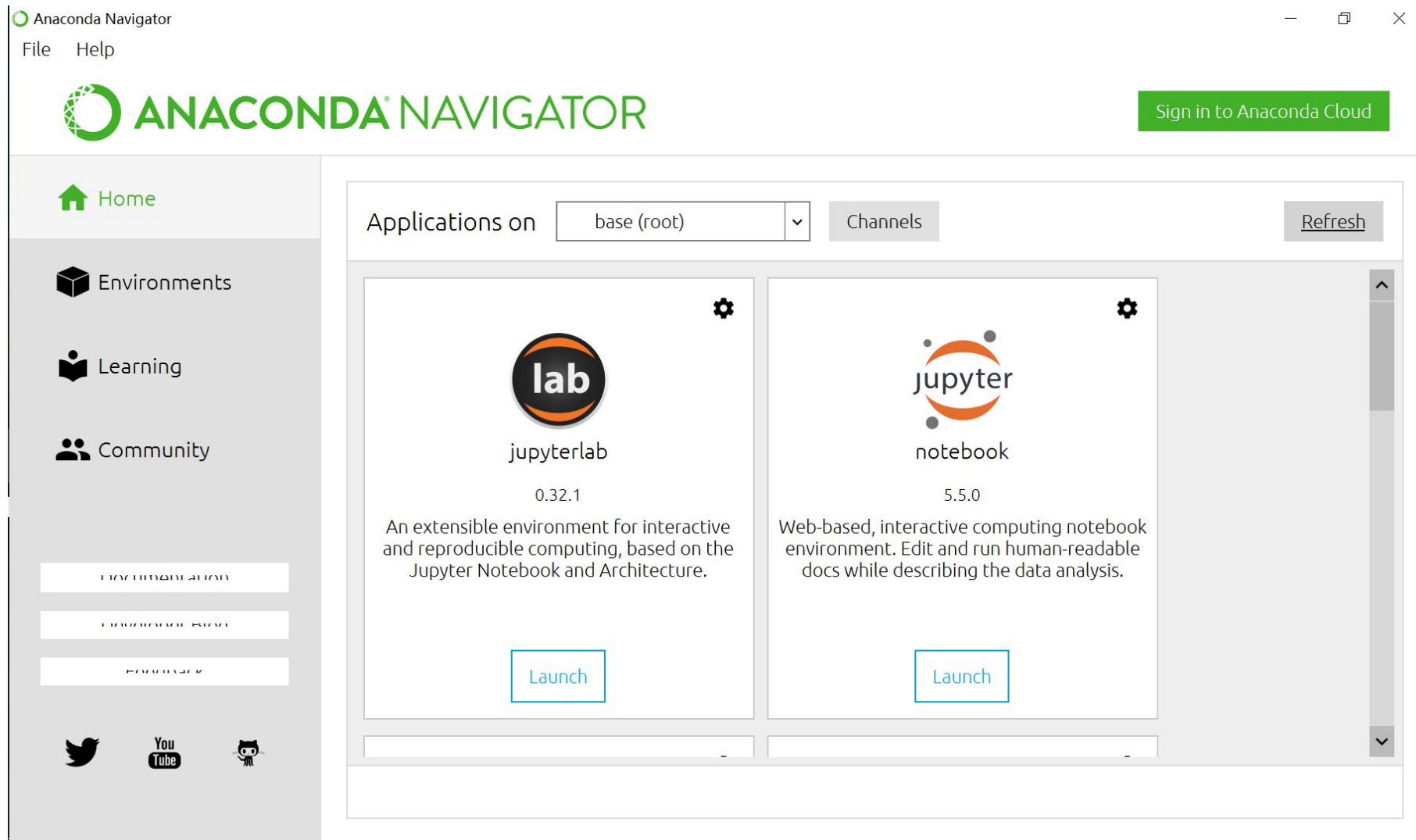


Anaconda Navigator：用于管理工具包和环境的图形用户界面，后续涉及的众多管理命令也可以在中手工实现。

Anaconda Prompt：Anaconda的CMD，命令行的使用方式

Jupyter notebook：交互式笔记本，支持40多种语言，Anaconda安装的notebook是python内核的笔记本；可以实时运行输出结果；

Spyder：python的简便式IDE，用使用MATLAB的方法使用python



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base (root)



Installed



Channels

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Name



T

Description



_ipyw_jlab_nb_ext...



alabaster



Configurable, python 2+3 compatible sphinx theme



anaconda



anaconda-client



Anaconda.org command line client library



anaconda-project



Reproducible, executable project directories



asn1crypto



Asn.1 parser and serializer



astroid



Abstract syntax tree for python with inference support

243 packages available



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Create new environment

Name: YAOCHAO0905

Location: C:\Users\MichaelSon\Anaconda3\envs\YAOCHAO0905

Packages: ☒ Python 3.6

☐ R mro

Cancel

Create

+

Create

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Channels

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Description

The ssh library

Support for tag image file format (tiff)

The xml c parser and toolkit of gnome

The xslt c library developed for the gnome project

Lightweight wrapper around basic llvm functionality

File based locks for python for linux and windows

Xml and html with python

243 packages available

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base (root)

YAOCHAO0905



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Name



T

Description



certifi



Python package for providing mozilla's ca bundle.



pip



Pypa recommended tool for installing python packages



python



General purpose programming language



setuptools



Download, build, install, upgrade, ...



vc



A meta-package to track vc features.



vs2015_runtime



Bundles of the msvc 14 (vs 2015) runtime



wheel



Built-package format for python



wincertstore



Python module to extract ca and crt certs from windows' cert store

8 packages available

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jupyterlab

0.34.7

An extensible environment for interactive and reproducible computing, based on the Jupyter Notebook and Architecture.

Install



notebook

5.6.0

Web-based, interactive computing notebook environment. Edit and run human-readable docs while describing the data analysis.

Install

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rstudio

1.1.456

A set of integrated tools designed to help you be more productive with R. Includes R essentials and notebooks.

Install



spyder

3.3.1

Scientific PYTHON Development Environment. Powerful Python IDE with advanced editing, interactive testing, debugging and introspection features

Install

Desktop/

localhost:8888/tree/Desktop

应用 百度一下, 你就知道 Google 日常 个人 找工作

jupyter Quit Logout

Files Running Clusters

Select items to perform actions on them.

Upload New

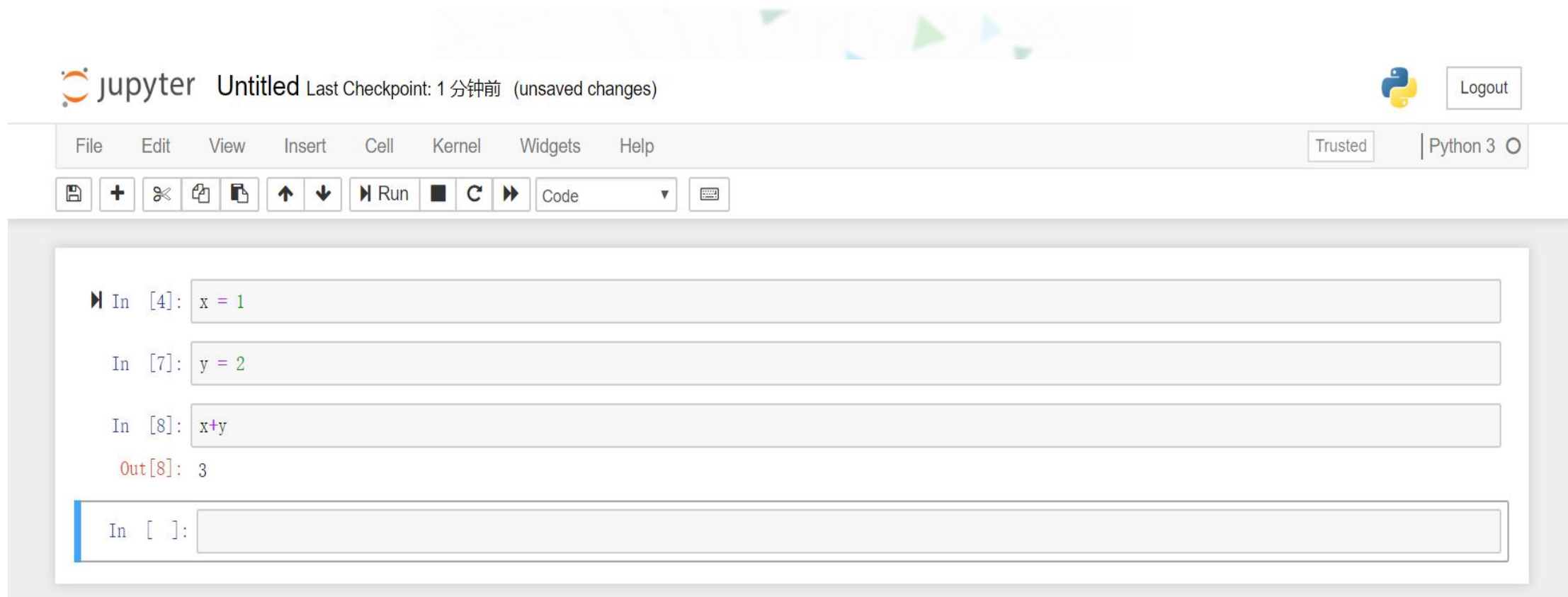
0 / Desktop

Name

Notebook:
Python 3

Other:
Text File
Folder
Terminal

...		
1.PNG		
10.PNG		
11.PNG		
2.PNG	2 小时前	35.3 kB
3.PNG	2 小时前	37.1 kB
4.PNG	2 小时前	43.4 kB
5.PNG	2 小时前	148 kB
6.PNG	2 小时前	138 kB
7.PNG	2 小时前	64.9 kB
8.PNG	2 小时前	97.9 kB
9.PNG	2 小时前	159 kB
Anaconda安装使用.docx	4 小时前	0 B
Anaconda安装使用.pptx	12 分钟前	7.16 MB



The image shows a Jupyter Notebook interface. At the top, there is a header bar with the Jupyter logo, the text "jupyter Untitled", and "Last Checkpoint: 1 分钟前 (unsaved changes)". To the right of the header bar are the Python logo and a "Logout" button. Below the header bar is a menu bar with options: File, Edit, View, Insert, Cell, Kernel, Widgets, and Help. To the right of the menu bar are buttons for "Trusted" and "Python 3". Below the menu bar is a toolbar with icons for saving, adding a new cell, undo, redo, copy, paste, up/down arrows, run, interrupt, and a dropdown menu currently set to "Code". The main area of the notebook contains four code cells. The first cell is labeled "In [4]:" and contains the code "x = 1". The second cell is labeled "In [7]:" and contains the code "y = 2". The third cell is labeled "In [8]:" and contains the code "x+y". Below the third cell, the output "Out[8]: 3" is displayed. The fourth cell is labeled "In []:" and is currently empty.

jupyter Untitled Last Checkpoint: 1 分钟前 (unsaved changes)

File Edit View Insert Cell Kernel Widgets Help Trusted Python 3

Save Add Undo Redo Copy Paste Up Down Run Interrupt Code

```
In [4]: x = 1
```

```
In [7]: y = 2
```

```
In [8]: x+y
```

Out[8]: 3

```
In [ ]:
```

Spyder (Python 3.5)

File Edit Search Source Run Debug Consoles Projects Tools View Help

Editor - C:\Users\MichaelSon\.spyder-py3\temp.py

```

1 # -*- coding: utf-8 -*-
2 """
3 Spyder Editor
4
5 This is a temporary script file.
6 """
7 x = 1
8 y = 1
9 x+y
  
```

Variable explorer

Name	Type	Size	Value
x	int	1	1
y	int	1	1

Variable explorer File explorer Help

IPython console

Console 1/A

```

Python 3.5.6 [Anaconda, Inc.] (default, Aug 26 2018,
16:05:27) [MSC v.1900 64 bit (AMD64)]
Type "copyright", "credits" or "license" for more
information.

IPython 6.5.0 -- An enhanced Interactive Python.

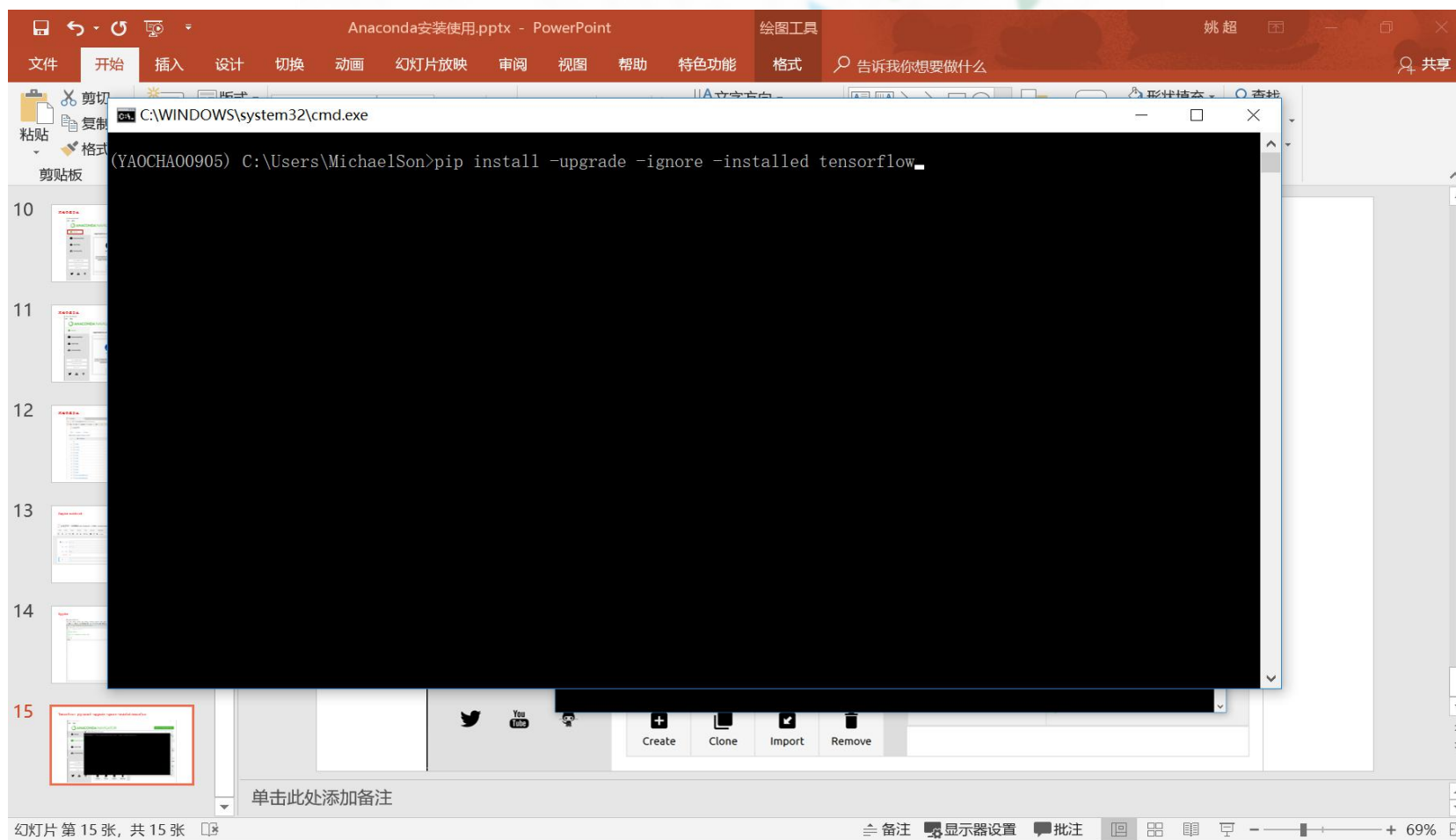
In [1]: runfile('C:/Users/MichaelSon/.spyder-py3/temp.py',
wdir='C:/Users/MichaelSon/.spyder-py3')

In [2]:
  
```

IPython console History log

Permissions: RW End-of-lines: CRLF Encoding: UTF-8 Line: 9 Column: 4 Memory: 55%

Tensorflow: `pip install --upgrade --ignore-installed tensorflow`





```
C:\WINDOWS\system32\cmd.exe - jupyter notebook

Downloading https://files.pythonhosted.org/packages/6d/7d/488b90f470b96531a3f5788cf12a93332f543dbab13c423a5e7ce96a0493
/Markdown-2.6.11-py2.py3-none-any.whl (78kB)
100% |██████████████████████████████████████████████████████████| 81kB 1.8MB/s
Collecting werkzeug>=0.11.10 (from tensorboard<1.11.0,>=1.10.0->tensorflow)
Downloading https://files.pythonhosted.org/packages/20/c4/12e3e56473e52375aa29c4764e70d1b8f3efa6682bef8d0aae04fe335243
/Werkzeug-0.14.1-py2.py3-none-any.whl (322kB)
100% |██████████████████████████████████████████████████████████| 327kB 2.2MB/s
Building wheels for collected packages: absl-py, termcolor, gast
Running setup.py bdist_wheel for absl-py ... done
Stored in directory: C:\Users\MichaelSon\AppData\Local\pip\Cache\wheels\78\a3\a3\689120b95c26b9a21be6584b4b482b0fda0a1
b60efd30af558
Running setup.py bdist_wheel for termcolor ... done
Stored in directory: C:\Users\MichaelSon\AppData\Local\pip\Cache\wheels\7c\06\54\bc84598ba1daf8f970247f550b175aaaaee85f
68b4b0c5ab2c6
Running setup.py bdist_wheel for gast ... done
Stored in directory: C:\Users\MichaelSon\AppData\Local\pip\Cache\wheels\9a\1f\0e\3cde98113222b853e98fc0a8e9924480a3e25
f1b4008cedb4f
Successfully built absl-py termcolor gast
twisted 18.7.0 requires PyHamcrest>=1.9.0, which is not installed.
Installing collected packages: setuptools, numpy, six, protobuf, wheel, grpcio, absl-py, termcolor, astor, markdown, wer
kzeug, tensorboard, gast, tensorflow
Successfully installed absl-py-0.4.1 astor-0.7.1 gast-0.2.0 grpcio-1.14.2 markdown-2.6.11 numpy-1.14.5 protobuf-3.6.1 se
tuptools-40.2.0 six-1.11.0 tensorboard-1.10.0 tensorflow-1.10.0 termcolor-1.1.0 werkzeug-0.14.1 wheel-0.31.1
You are using pip version 10.0.1, however version 18.0 is available.
You should consider upgrading via the 'python -m pip install --upgrade pip' command.

(YA0CHA00905) C:\Users\MichaelSon>python
Python 3.5.6 |Anaconda, Inc.| (default, Aug 26 2018, 16:05:27) [MSC v.1900 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>> import tensorflow
```

课后练习：

1. 练习采用jupyter notebook，为方便记录，统一存储为homework+[讲座序号].ipynb文件，如：homework1.ipynb
2. **第一次练习**提交至邮箱dataage_tsinghua@163.com，为方便统计，邮件仅用手机号命名，如：186XXXX5445。
3. 练习结果将**暂时**通过邮件反馈

第一次课后练习:

目的: 验证测试安装环境是否配置正确

内容: 运行homework0.ipynb脚本

提交: 运行成功的截屏, 命名分别为1.jpg 和 2.jpg

https://pan.baidu.com/s/18arOzd9g_dhX34lUHdqLMA

