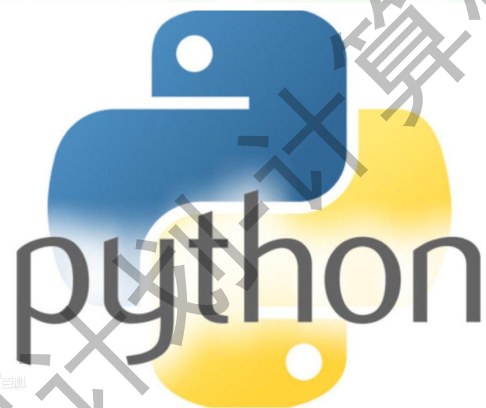




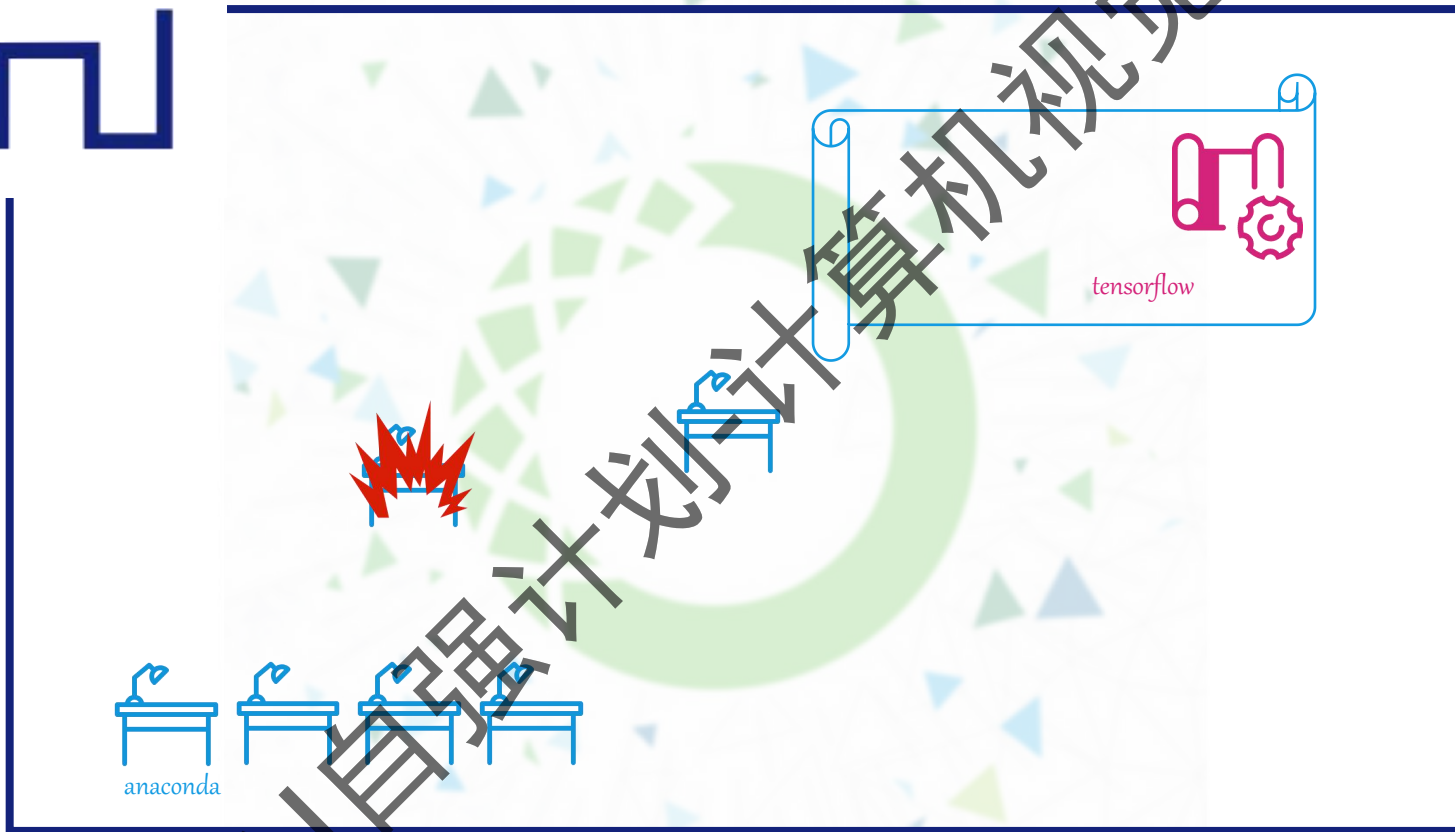
清华大学  
Tsinghua University

数据科学研究院  
Institute for Data Science





computer



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Version 5.2 | Release Date: May 30, 2018

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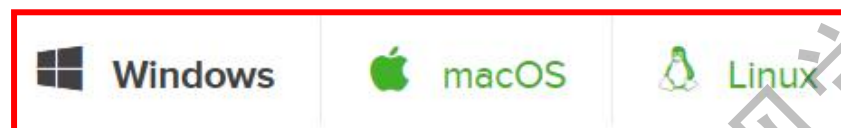
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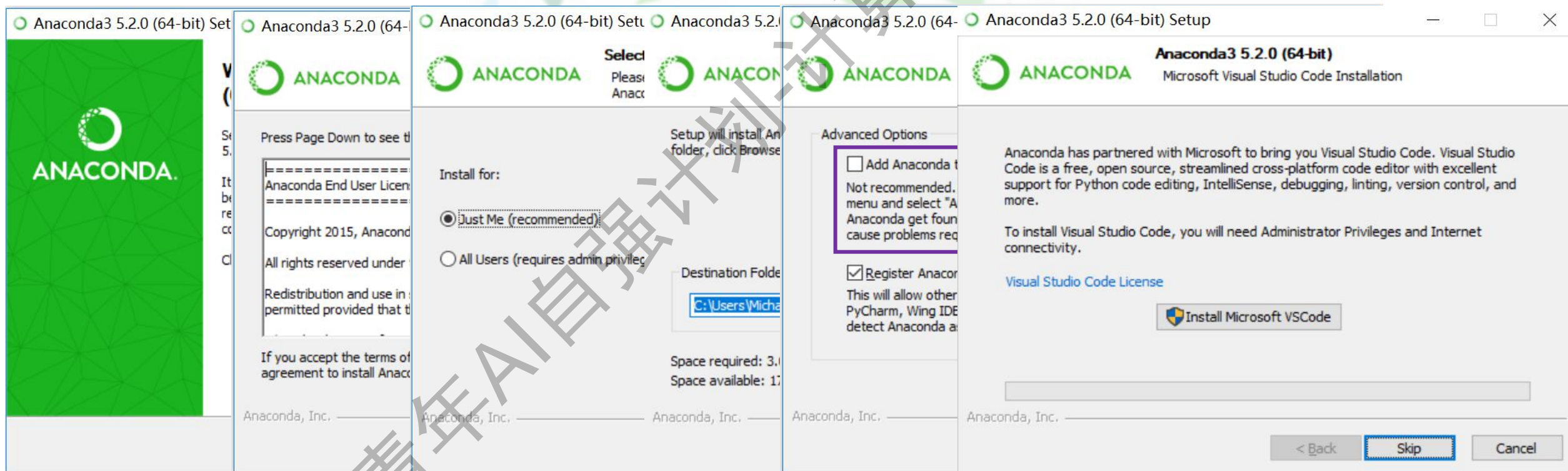
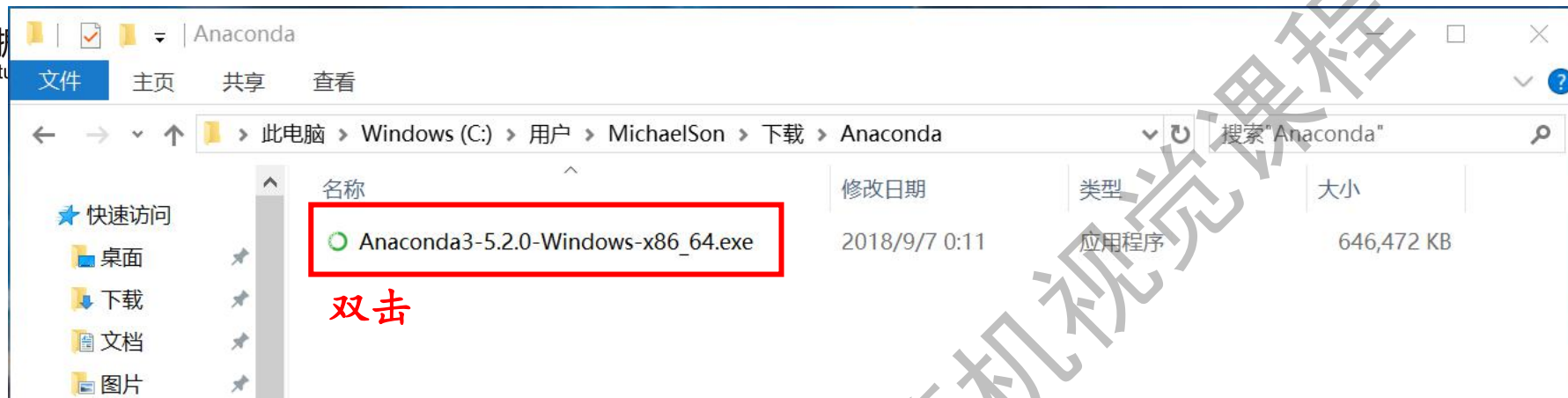
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Python 2.7 version \*

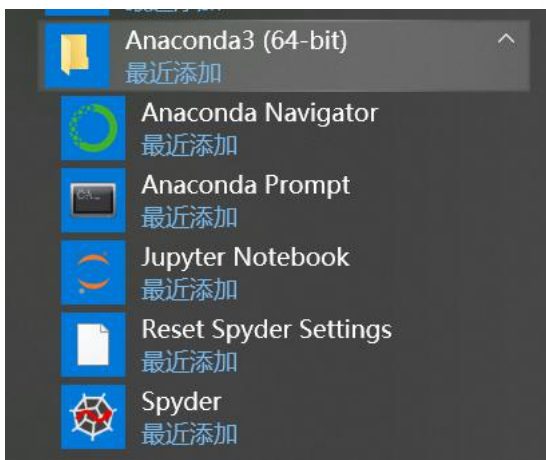
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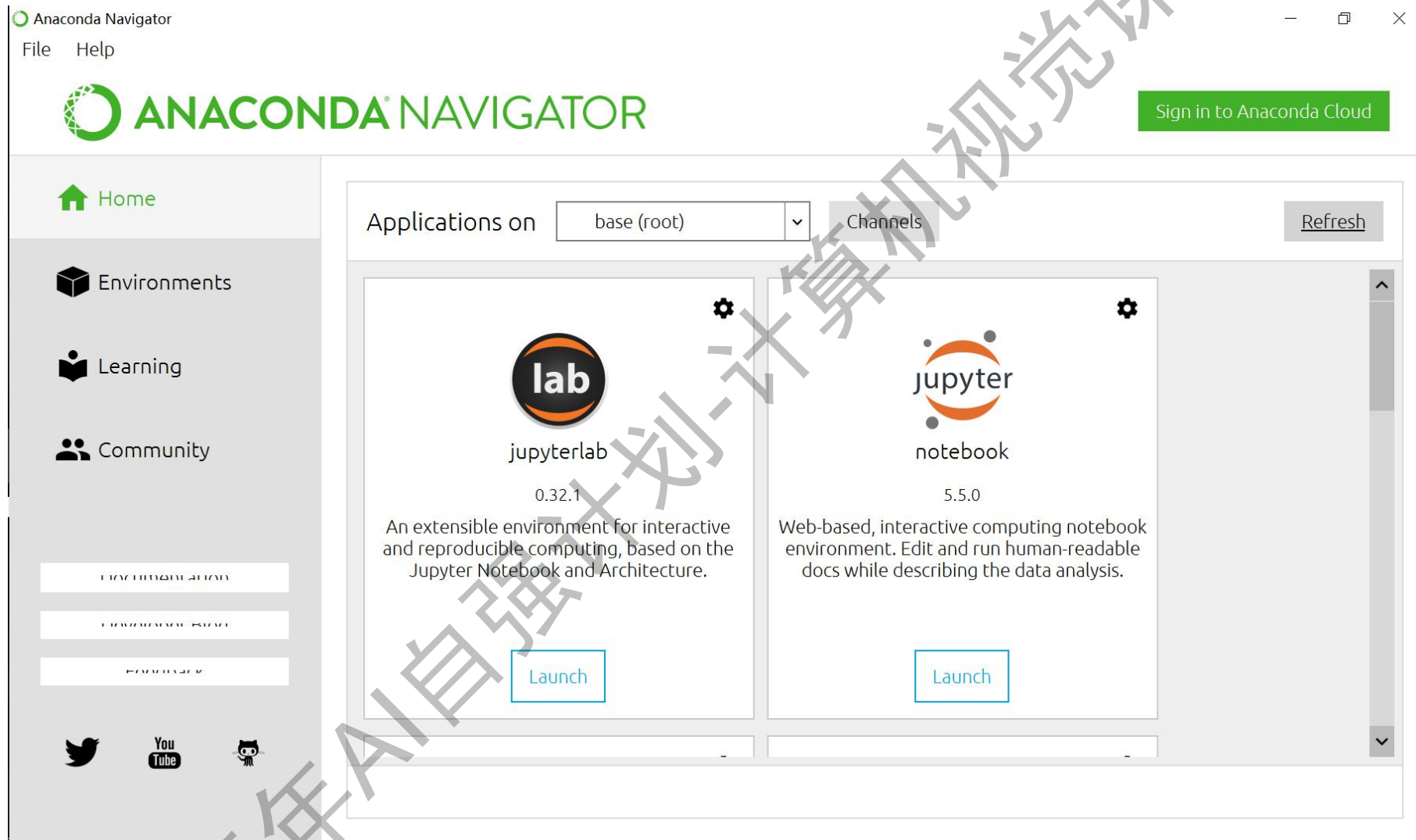


**Anaconda Navigator**：用于管理工具包和环境的图形用户界面，后续涉及的众多管理命令也可以在中手工实现。

**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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Name



Description



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Anaconda.org command line client library



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Reproducible, executable project directories



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Asn.1 parser and serializer



astroid



Abstract syntax tree for python with inference support

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Create new environment

Name: YAOCHAO0905

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

Packages: ☒ Python

3.6

☐ R

1.0

Cancel

Create



Create



Clone



Import



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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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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



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jupyterlab

0.34.7

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

Install



jupyter 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

jupyter Quit Logout

Files Running Clusters

Select items to perform actions on them.

Upload New

0 / Desktop

Name		
...		
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


Notebook: Python 3

Other:

Text File

Folder

Terminal

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

File Edit View Insert Cell Kernel Widgets Help Trusted | Python 3

Save Add Split Copy Paste Up Down Run Stop Restart 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.

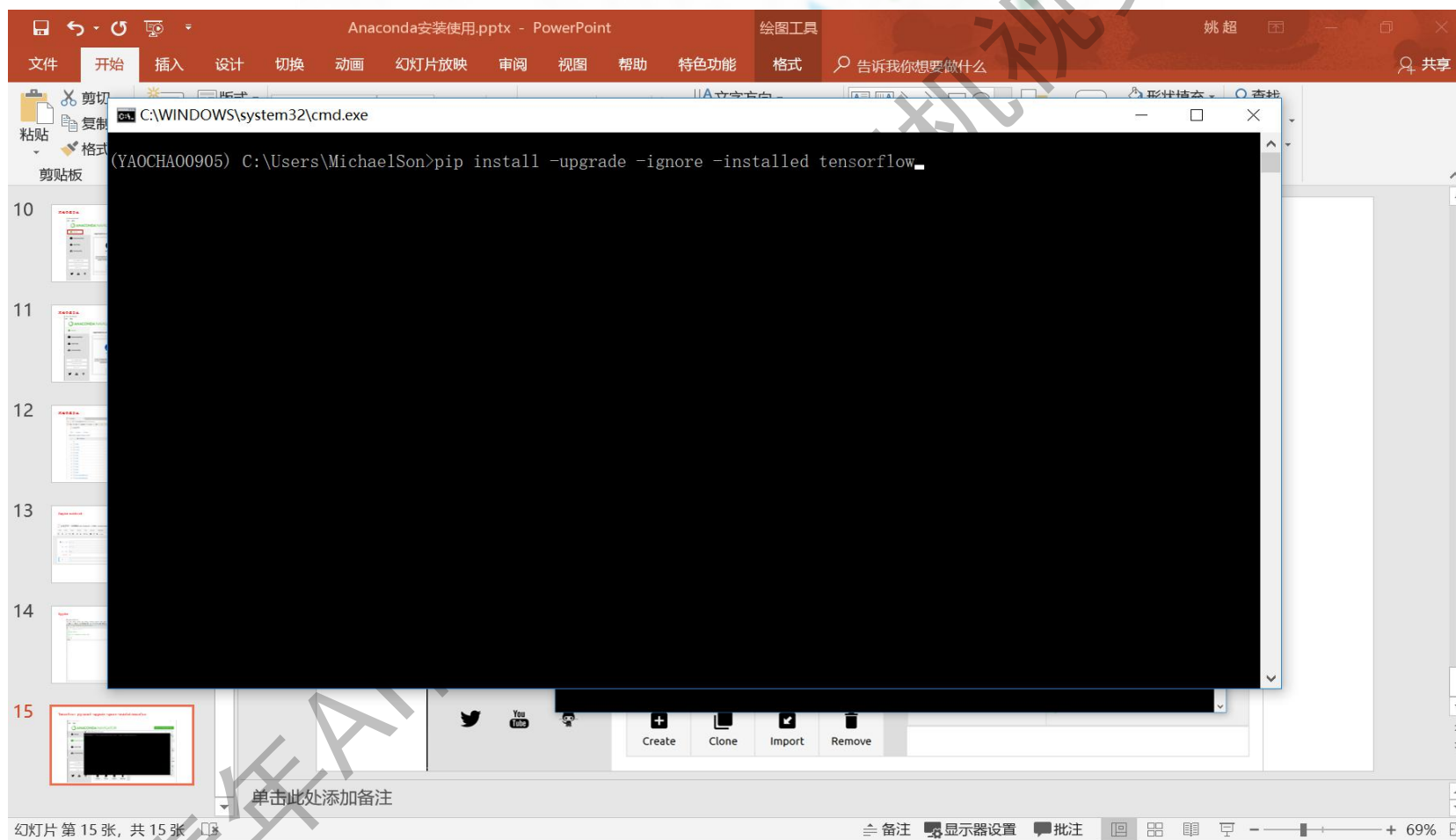
In [1]: runfile('C:/Users/MichaelSon/.spyder-py3/temp.py', wdir='C:/Users/MichaelSon/.spyder-py3')

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`







## 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](https://pan.baidu.com/s/18arOzd9g_dhX34lUHdqLMA)

