

Anaconda3 在 Mac OS X 上的安装和使用指南

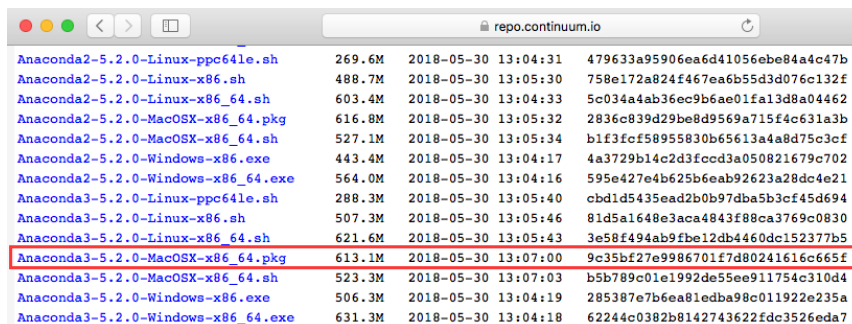
张华

2019.10

1、安装 Anaconda3

本文先介绍在 Mac OS X 上安装 Anaconda3 的流程，按后续的步骤和截图操作即可。

启动 Safari 浏览器，打开网站 <https://repo.continuum.io/archive/>



Anaconda2-5.2.0-Linux-ppc64le.sh	269.6M	2018-05-30	13:04:31	479633a95906ea6d41056ebe84a4c47b	
Anaconda2-5.2.0-Linux-x86.sh	488.7M	2018-05-30	13:05:30	758e172a824f467ea6b55d3d076c132f	
Anaconda2-5.2.0-Linux-x86_64.sh	603.4M	2018-05-30	13:04:33	5c034a4ab36ec9b6ae01fa13d8a04462	
Anaconda2-5.2.0-MacOSX-x86_64.pkg	616.8M	2018-05-30	13:05:32	2836c839d29be8d9569a715f4c631a3b	
Anaconda2-5.2.0-MacOSX-x86_64.sh	527.1M	2018-05-30	13:05:34	b1f3fcf58955830b65613a4a8d75c3cf	
Anaconda2-5.2.0-Windows-x86.exe	443.4M	2018-05-30	13:04:17	4a3729b14c2d3fcd3a050821679e702	
Anaconda2-5.2.0-Windows-x86_64.exe	564.0M	2018-05-30	13:04:16	595e427e4b625b6eab92623a28dc4e21	
Anaconda3-5.2.0-Linux-ppc64le.sh	288.3M	2018-05-30	13:05:40	cbd1d5435ead2b0b97dba5b3cf45d694	
Anaconda3-5.2.0-Linux-x86.sh	507.3M	2018-05-30	13:05:46	81d5a1648e3aca4843f88ca3769c0830	
Anaconda3-5.2.0-Linux-x86_64.sh	621.6M	2018-05-30	13:05:43	3e58f494ab9fbc12db4460dc152377b5	
Anaconda3-5.2.0-MacOSX-x86_64.pkg	613.1M	2018-05-30	13:07:00	9c35bf27e9986701f7d8024161c665f	
Anaconda3-5.2.0-MacOSX-x86_64.sh	523.3M	2018-05-30	13:07:03	b5b789c01e1992de55ee911754c310d4	
Anaconda3-5.2.0-Windows-x86.exe	506.3M	2018-05-30	13:04:19	285387e7b6ea81edba98c011922e235a	
Anaconda3-5.2.0-Windows-x86_64.exe	631.3M	2018-05-30	13:04:18	62244c0382b8142743622dfdc3526eda7	

点击 Anaconda3-5.2.0-MacOSX-x86_64.pkg 文件名，浏览器开始下载该文件。

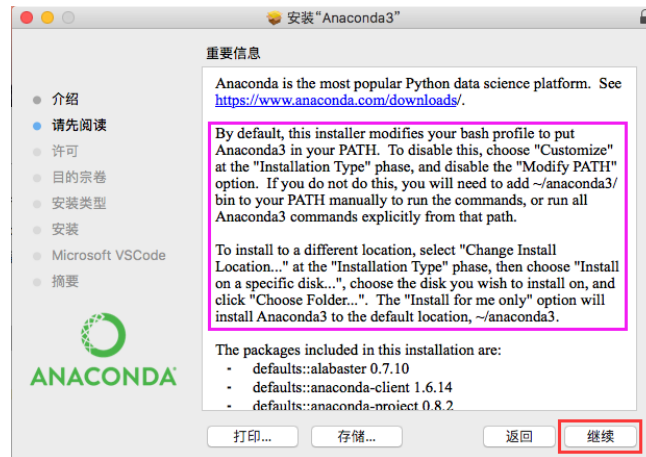
下载完成后，打开该文件，在下面的对话框中点击“继续”，启动 Anaconda3 安装向导。



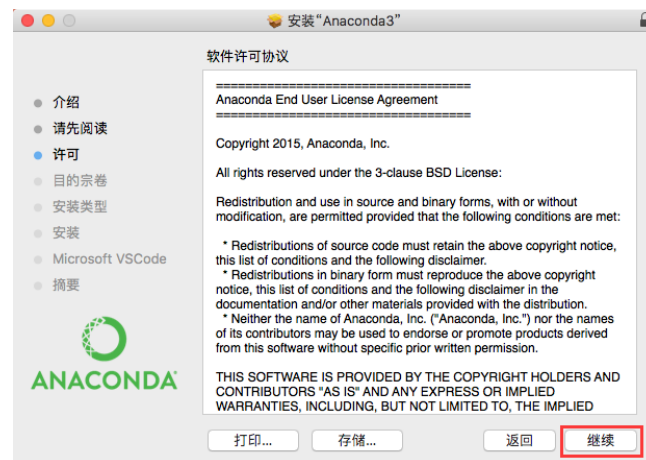
在安装向导窗口中点击“继续”。



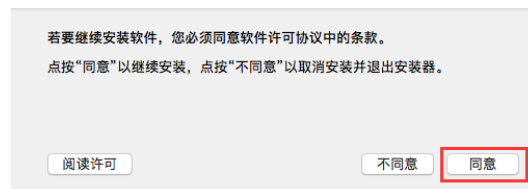
阅读窗口中的说明，然后点击“继续”。



点击“继续”。



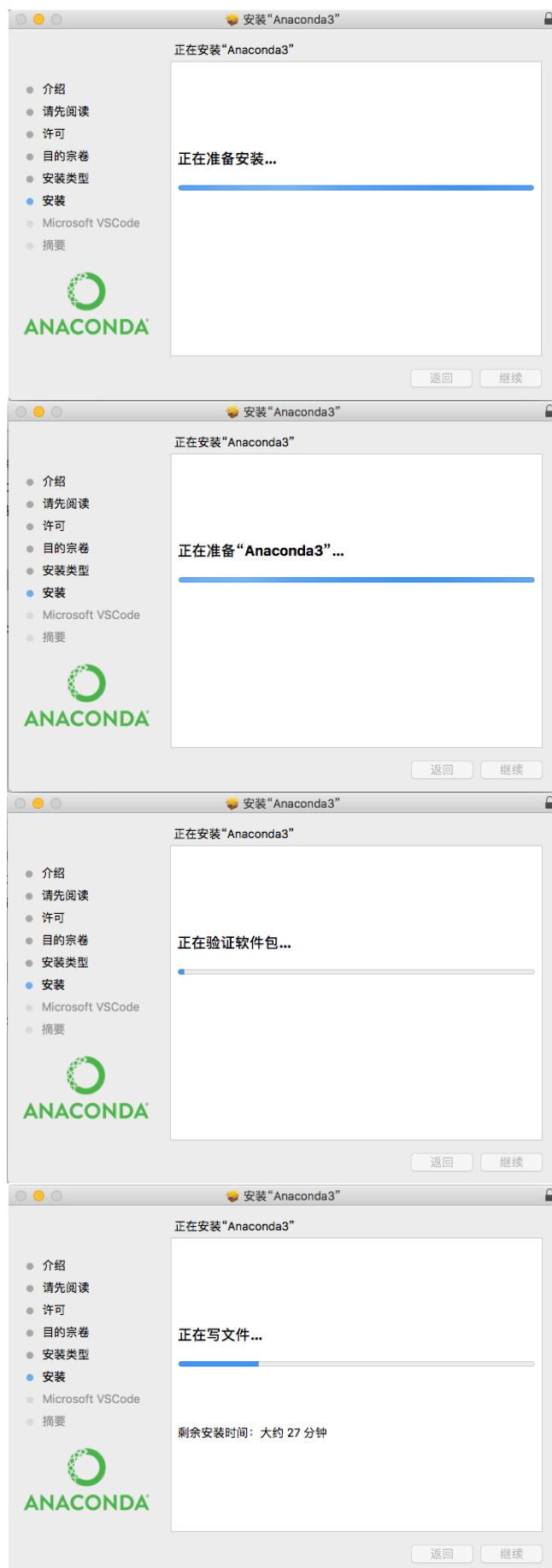
点击“同意”。

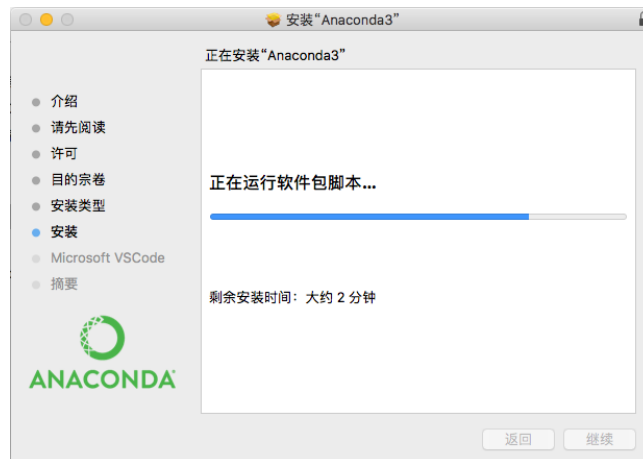


点击“安装”。

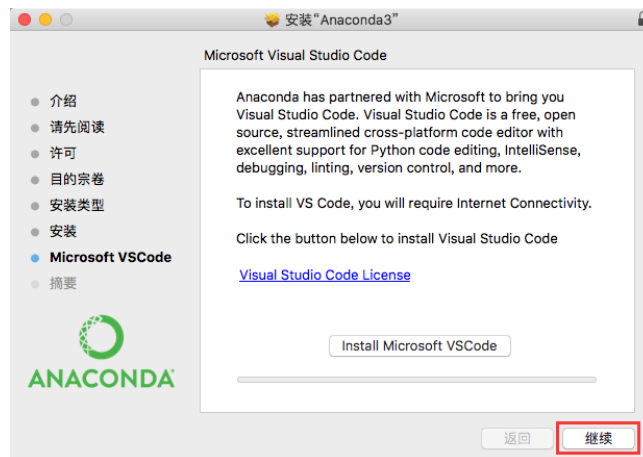


开始安装 Anaconda3。

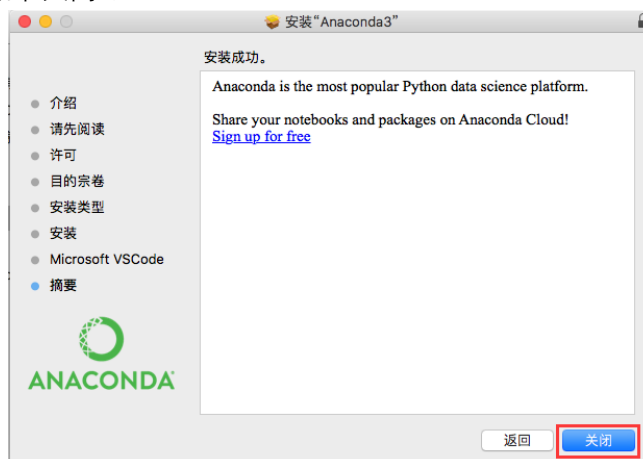




不安装 Microsoft VSCode, 点击“继续”。

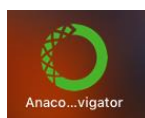


安装完成, 点击“关闭”。

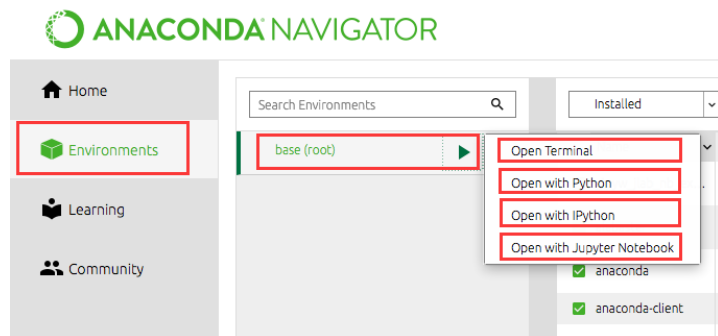


2、使用 Anaconda3

启动 Launchpad, 点击“Anaconda Navigator”。



在 Navigator 中, 按下图操作, 可以启动对应的程序。



Open Terminal: 启动 Mac OS 的终端。输入 Python 命令，启动解释器。

```
hack — a.tool — python — 80x24
Last login: Fri Oct 4 00:13:01 on ttys000
seirradeMac:~ hack$ /Users/hack/.anaconda/navigator/a.tool ; exit;
(base) bash-3.2$ python
Python 3.6.5 |Anaconda, Inc.| (default, Apr 26 2018, 08:42:37)
[GCC 4.2.1 Compatible Clang 4.0.1 (tags/RELEASE_401/final)] on darwin
Type "help", "copyright", "credits" or "license" for more information.
>>>
```

Open with Python: 启动 Mac OS 的终端，并启动解释器。

```
hack — a.tool — python — -bash — 80x24
Last login: Fri Oct 4 00:08:18 on ttys000
seirradeMac:~ hack$ /Users/hack/.anaconda/navigator/a.tool ; exit;
Python 3.6.5 |Anaconda, Inc.| (default, Apr 26 2018, 08:42:37)
[GCC 4.2.1 Compatible Clang 4.0.1 (tags/RELEASE_401/final)] on darwin
Type "help", "copyright", "credits" or "license" for more information.
>>>
```

Open with IPython: 启动 IPython。

```
hack — IPython: Users/hack — python — -bash — 80x24
Last login: Fri Oct 4 00:15:22 on ttys000
seirradeMac:~ hack$ /Users/hack/.anaconda/navigator/a.tool ; exit;
Python 3.6.5 |Anaconda, Inc.| (default, Apr 26 2018, 08:42:37)
Type "copyright", "credits" or "license" for more information
IPython 6.4.0 -- An enhanced Interactive Python. Type '?' for help.

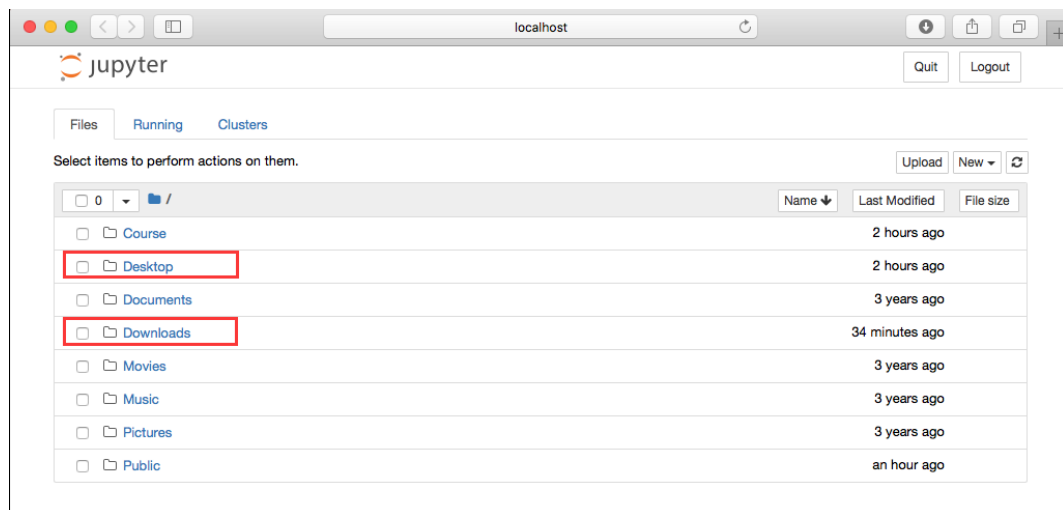
In [1]:
```

Open with Jupyter Notebook: 启动 Jupyter Notebook。有两个窗口被打开，下图是该程序的服务端程序。关闭该窗口，将停止 Jupyter Notebook。

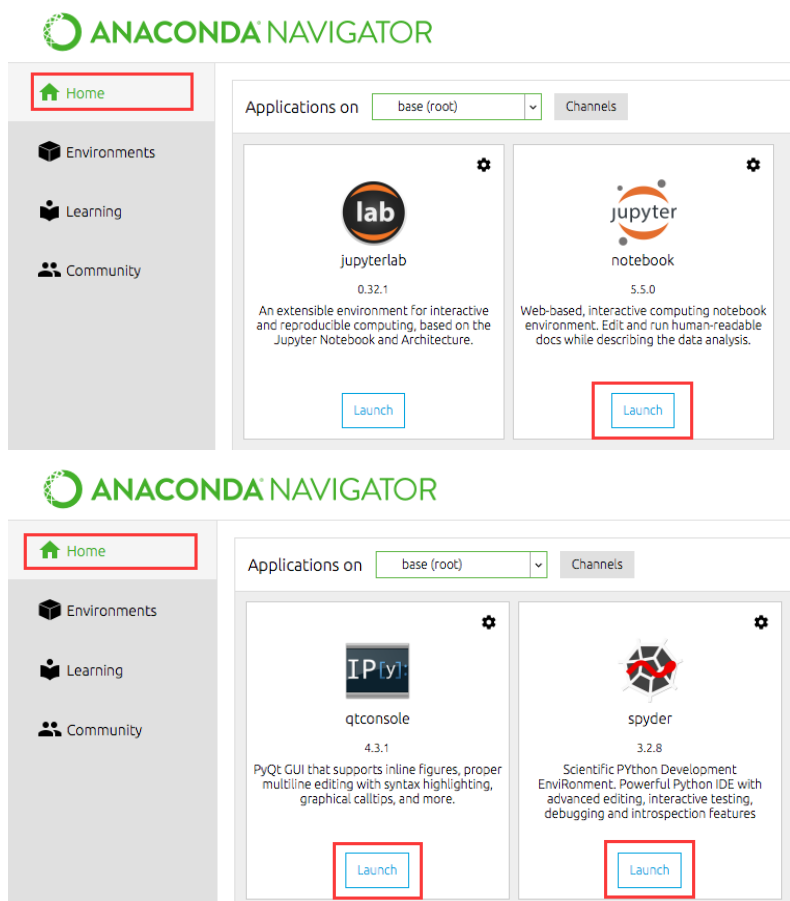
```
hack — a.tool — python — -bash — 144x47
Last login: Fri Oct 4 00:16:31 on ttys000
seirradeMac:~ hack$ /Users/hack/.anaconda/navigator/a.tool ; exit;
[I 00:18:26.243 NotebookApp] Writing notebook server cookie secret to /Users/hack/Library/Jupyter/runtime/notebook_cookie_secret
[I 00:18:26.683 NotebookApp] JupyterLab beta preview extension loaded from /anaconda3/lib/python3.6/site-packages/jupyterlab
[I 00:18:26.683 NotebookApp] JupyterLab application directory is /anaconda3/share/jupyter/lab
[I 00:18:26.700 NotebookApp] Serving notebooks from local directory: /Users/hack
[I 00:18:26.700 NotebookApp] 0 active kernels
[I 00:18:26.700 NotebookApp] The Jupyter Notebook is running at:
[I 00:18:26.700 NotebookApp] http://localhost:8888/?token=91fcf25d16280cc714718676510cf0727429f54b105f792d
[I 00:18:26.700 NotebookApp] Use Control-C to stop this server and shut down all kernels (twice to skip confirmation).

Copy/paste this URL into your browser when you connect for the first time,
to login with a token:
http://localhost:8888/?token=91fcf25d16280cc714718676510cf0727429f54b105f792d
[I 00:18:27.753 NotebookApp] Accepting one-time-token-authenticated connection from ::1
```

另一个窗口是浏览器，将打开 Jupyter Notebook 的主页，显示主目录下的所有文件夹和文件。在下图中可以看到 Jupyter Notebook 的主目录就是当前用户的 home 位置。

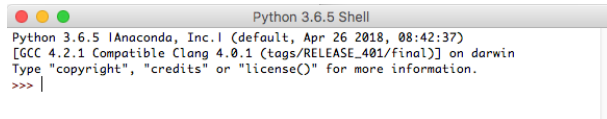


当然，在 Navigator 的 Home 页中可以启动 Jupyter Notebook、Spyder 和 IPython。



如果要使用 IDLE，则先启动 Open with terminal，然后输入 `idle3` 命令。这是因为 Mac OS X 默认安装了 Python 2.7.x。

```
hack — a.tool — python3.6 • python3.6 /anaconda3/bin/idle3 — 80×24
Last login: Fri Oct 4 00:40:48 on ttys000
seirradeMac:~ hack$ /Users/hack/.anaconda/navigator/a.tool ; exit;
(base) bash-3.2$ idle3
```



```
Python 3.6.5 Shell
Python 3.6.5 |Anaconda, Inc.| (default, Apr 26 2018, 08:42:37)
[GCC 4.2.1 Compatible Clang 4.0.1 (tags/RELEASE_401/final)] on darwin
Type "copyright", "credits" or "license()" for more information.
>>> |
```