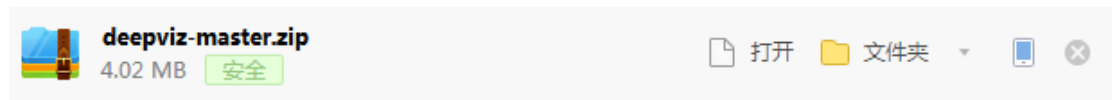


神经网络可视化包下载安装过程:

从 github 上下载 R 包:

<https://github.com/andrie/deepviz>



解压后:

(J:) > 深度学习 > deepviz >				
帮助 (H)				
新建文件夹				
名称	修改日期	类型	大小	
docs	2019/12/19 21:46	文件夹		
inst	2019/12/19 21:46	文件夹		
man	2019/12/19 21:46	文件夹		
R	2019/12/19 21:46	文件夹		
vignettes	2019/12/19 21:46	文件夹		
.gitignore	2019/1/22 18:34	文本文档	1 KB	
.Rbuildignore	2019/1/22 18:34	RBUILDIGNORE ...	1 KB	
.travis.yml	2019/1/22 18:34	Yaml 源文件	1 KB	
_pkgdown.yml	2019/1/22 18:34	Yaml 源文件	1 KB	
deepviz.Rproj	2019/1/22 18:34	R Project	1 KB	
DESCRIPTION	2019/1/22 18:34	文件	1 KB	
LICENSE	2019/1/22 18:34	文件	1 KB	
LICENSE.md	2019/1/22 18:34	Markdown 源文件	2 KB	
NAMESPACE	2019/1/22 18:34	文件	1 KB	
README.md	2019/1/22 18:34	Markdown 源文件	5 KB	
README.Rmd	2019/1/22 18:34	RMD 文件	4 KB	

先安装 devtools 工具。

Rtools35.exe	2019/12/18 21:28	应用程序	106,077 KB
--------------	------------------	------	------------

本地磁盘 (C:) > Rtools >				
(V) 工具 (T) 帮助 (H)				
共享 新建文件夹				
名称	修改日期	类型	大小	
bin	2019/12/18 21:29	文件夹		
lib	2019/12/18 21:29	文件夹		
mingw_32	2019/12/18 21:30	文件夹		
mingw_64	2019/12/18 21:31	文件夹		
COPYING	2018/5/7 23:54	文件	18 KB	
README.txt	2018/5/7 23:54	文本文档	2 KB	
Rtools.txt	2018/5/7 23:54	文本文档	2 KB	
unins000.dat	2019/12/18 21:32	媒体文件(.dat)	4,095 KB	
unins000.exe	2019/12/18 21:29	应用程序	1,175 KB	
VERSION.txt	2018/5/7 23:54	文本文档	1 KB	

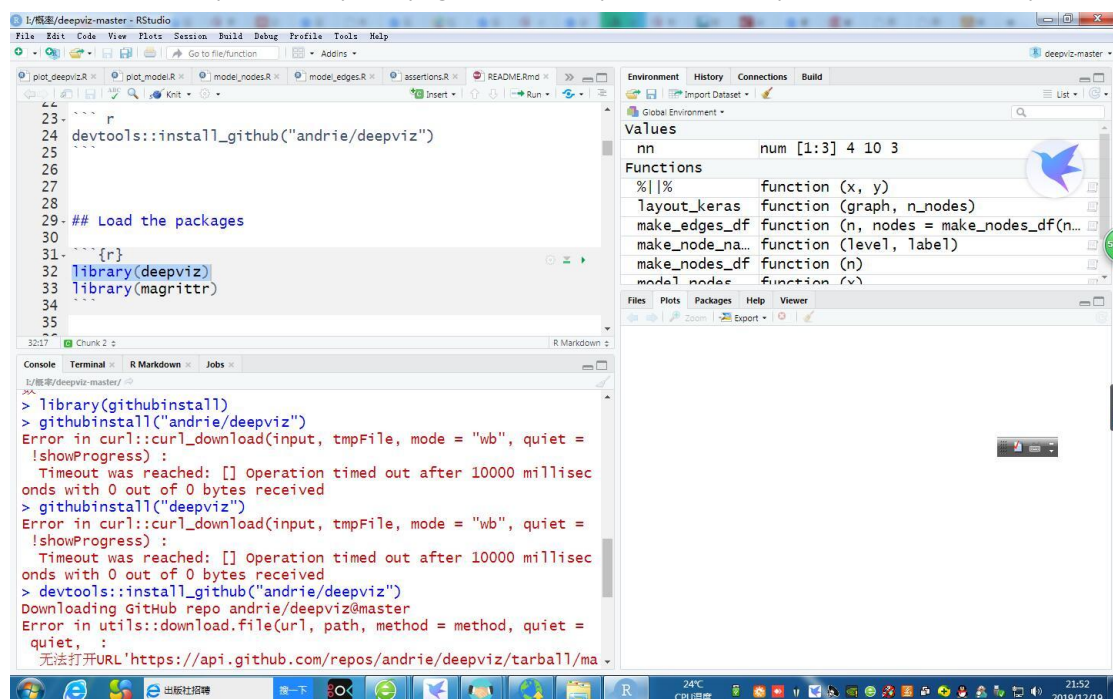
感觉就是一个 gnu 的编译环境。

```
> devtools::install_github("andrie/deepviz")
```

Downloading GitHub repo andrie/deepviz@master

Error in utils::download.file(url, path, method = method, quiet = quiet, :

无法打开 URL'– ? https://api.github.com/repos/andrie/deepviz/tarball/master–



```

I:/概率/deepviz-master/
* installing *source* package 'deepviz' ...
ERROR: cannot remove earlier installation, is it in use?
* removing 'C:/Program Files/R/R-3.6.2/library/deepviz'
* restoring previous 'C:/Program Files/R/R-3.6.2/library/deepviz'
Warning in install.packages :
  installation of package 'C:/Program Files/R/R-3.6.2/library/deepviz' had non-zero exit status
> library(deepviz)
Error in library(deepviz) : 'deepviz'不是有效的已经安装了的程序包
> devtools::install_github("andrie/deepviz")
Downloading GitHub repo andrie/deepviz@master
Error in utils::download.file(url, path, method = method, quiet =
  quiet, : 
  无法打开URL'https://api.github.com/repos/andrie/deepviz/tarball/master'
> |

```

按网上的方法，试了好多种都不可以。甚至论坛上网友说跟蓝灯有关，把蓝灯关了，还是不行。

于是先将 URL 地址文件下载到本地，由于下载下来的是.zip 的压缩包，因此现将压缩包解压到 C:\Program Files\R\R-3.6.2\library\deepviz-master 路径下。

然后执行下面命令进行安装

```
devtools::install_github("C:\Program Files\R\R-3.6.2\library\deepviz-master")
```

仍然有错误。

晚上也试了，用最笨的方法，把包中所有的源代码都运行一遍，一一加载

```
source("I:\\概率\\deepviz-master\\R\\plot_deepviz.r")
```

但总是提示有些函数找不到：这个包的依赖太多，依次安装

```

> library(tidyverse)
— Attaching packages ————— tidyverse 1.3.0 —
<U+2713> ggplot2 3.2.1    <U+2713> dplyr  0.8.3
<U+2713> tibble  2.1.3    <U+2713> stringr 1.4.0
<U+2713> tidyr  1.0.0    <U+2713> forcats 0.4.0
<U+2713> readr   1.3.1
— Conflicts ————— tidyverse_conflicts() —
x tidyr::extract() masks magrittr::extract()
x dplyr::filter()  masks stats::filter()
x dplyr::lag()     masks stats::lag()
x purrr::set_names() masks magrittr::set_names()
> plot_deepviz(nn)
Error in gggraph(., layout = "manual", node.position = layout_keras(., :
  没有"gggraph"这个函数

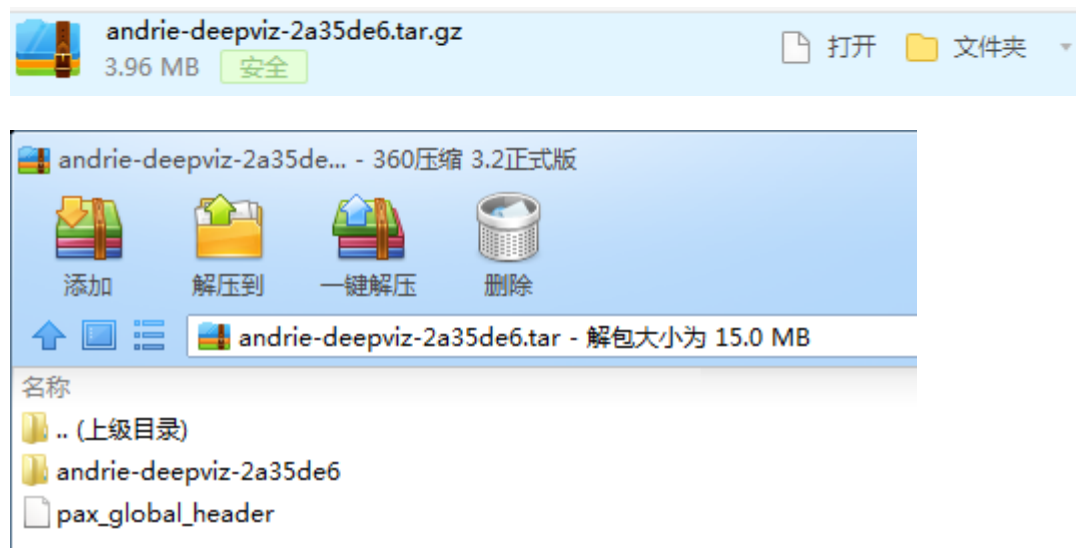
```

解决了三个函数的包依赖，实在没有精力再折腾。

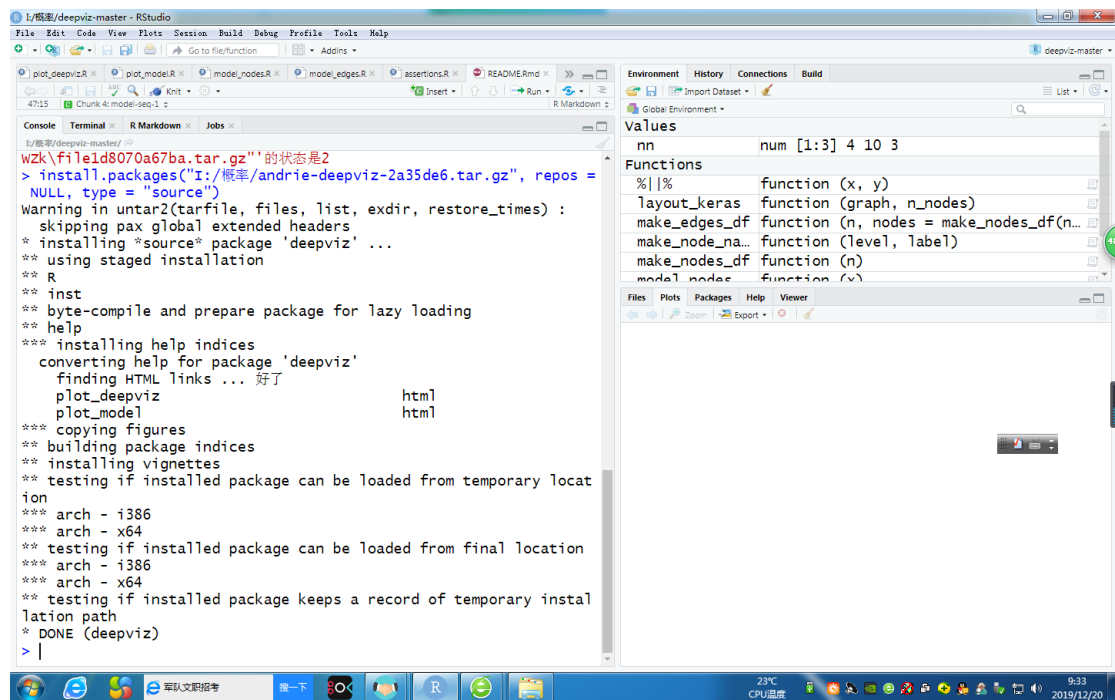
第二天一早关了蓝灯再试：

```
> devtools::install_github("andrie/deepviz")
Downloading GitHub repo andrie/deepviz@master
Error in utils::download.file(url, path, method = method, quiet = quiet, :
  无法打开 URL'https://api.github.com/repos/andrie/deepviz/tarball/master'
> install.packages("C:\\Program Files\\R\\R-3.6.2\\library\\deepviz",repos=NULL,type="source")
错误：由"C:\\P"开头的字符串中存在'\\P'，但没有这种逸出号
> install.packages("C:\\Program Files\\R\\R-3.6.2\\library\\deepviz",repos=NULL,type="source")
* installing *source* package 'deepviz' ...
ERROR: cannot remove earlier installation, is it in use?
* removing 'C:/Program Files/R/R-3.6.2/library/deepviz'
* restoring previous 'C:/Program Files/R/R-3.6.2/library/deepviz'
Warning in install.packages :
  installation of package 'C:/Program Files/R/R-36~1.2/library/deepviz' had non-zero exit status
>
```

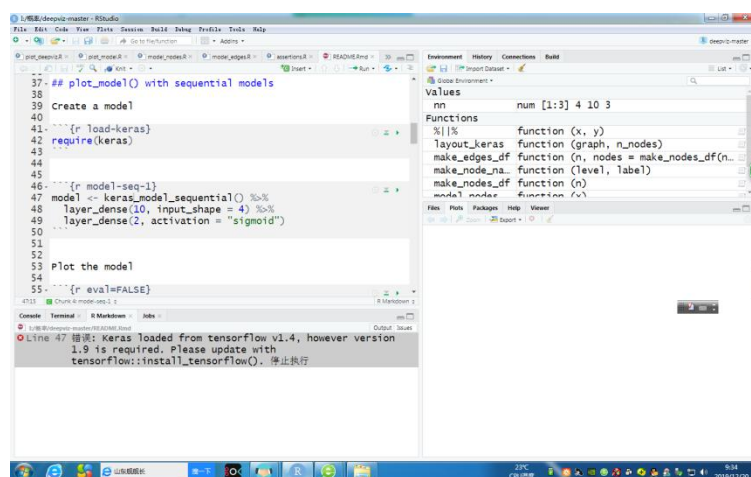
重新从 github 上用浏览器下载源码，感觉跟昨天下载的文件有点区别，区别在哪，应该很明显，多了一个文件



直接用这个源码安装：



居然可以了，我想问题出在我下载的包压缩文件上，比较前后两个文件，大小不一样，后者里面多了一个包说明文件。下面测试一下范例



提示下面的问题：

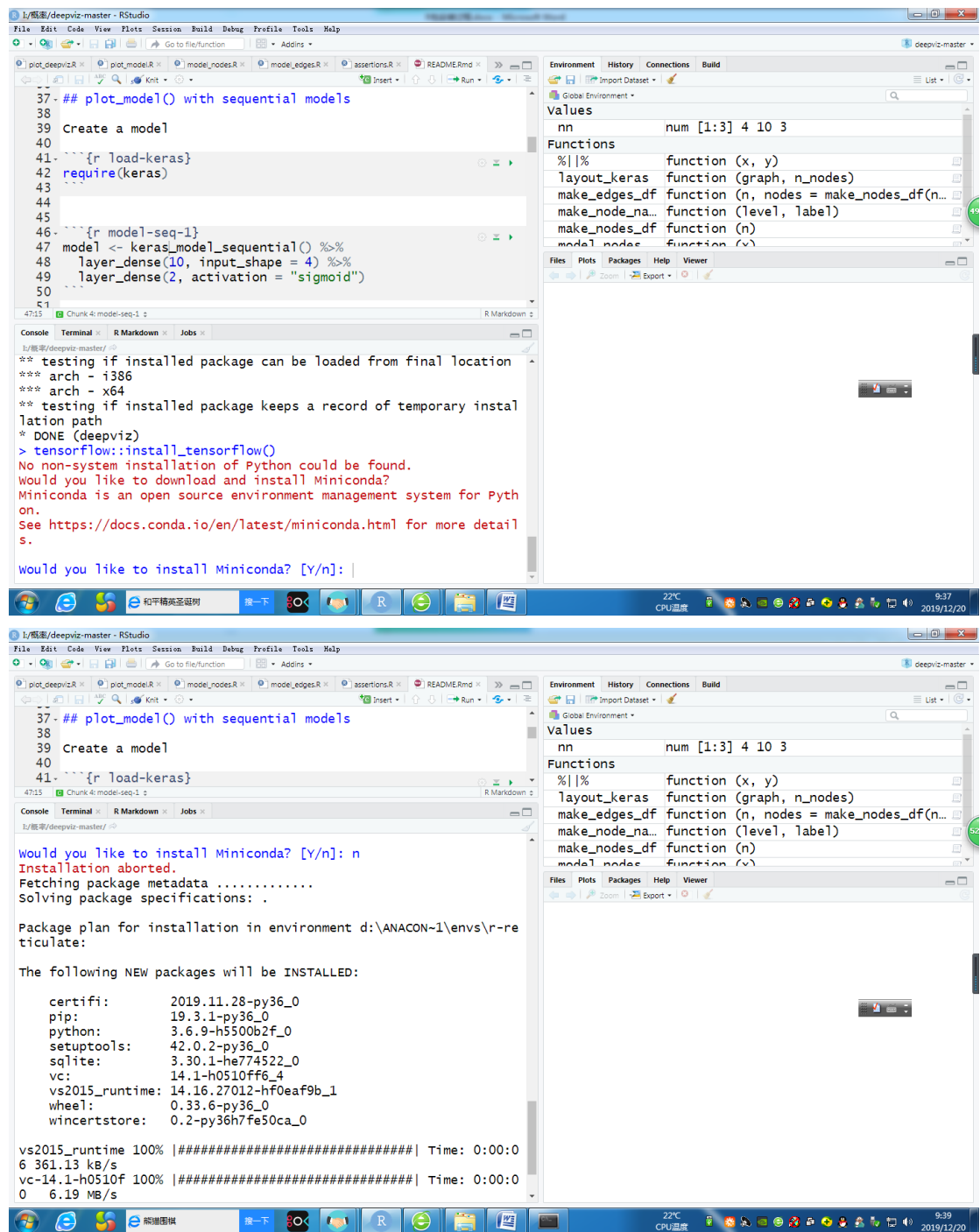
`tensorflow::install_tensorflow()`

No non-system installation of Python could be found.

would you like to download and install Miniconda?

Miniconda is an open source environment management system for Python.
See <https://docs.conda.io/en/latest/miniconda.html> for more details.

would you like to install Miniconda? [Y/n]: #这里我选 no,
因为我机器装了 anaconda



我机器上的 TensorFlow 版本是 1.2, 版本低了。至于什么是 TensorFlow, 什么是 keras, 各位自己百度去。

f2243cb6cedb88dd425397/tensorflow-2.0.0-cp36-cp36m-win_amd64.whl (48.1MB)

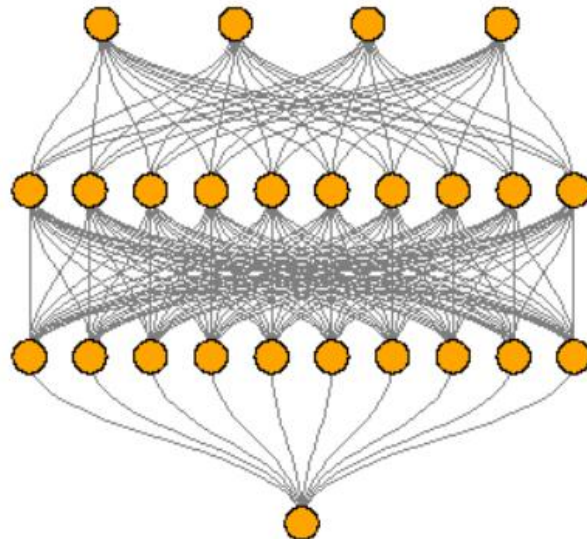
就等待升级 TensorFlow，网络太慢。

```
Console Terminal R Markdown Jobs
I:/概率/deepviz-master/
11lib3\response.py", line 564, in stream
    data = self.read(amt=amt, decode_content=decode_content)
File "d:\ANACON~1\envs\R-RETI~1\lib\site-packages\pip\_vendor\ur
11lib3\response.py", line 529, in read
    raise IncompleteRead(self._fp_bytes_read, self.length_remainin
g)
File "d:\ANACON~1\envs\R-RETI~1\lib\contextlib.py", line 99, in
__exit__
    self.gen.throw(type, value, traceback)
File "d:\ANACON~1\envs\R-RETI~1\lib\site-packages\pip\_vendor\ur
11lib3\response.py", line 430, in _error_catcher
    raise ReadTimeoutError(self._pool, None, "Read timed out.")
pip._vendor.urllib3.exceptions.ReadTimeoutError: HTTPSConnectionPo
ol(host='files.pythonhosted.org', port=443): Read timed out.
错误: Error installing package(s): "tensorflow==2.0.0"
```

如果运行成功，最后的效果图是这样的：

A multi-layer perceptron (two hidden layers):

```
c(4, 10, 10, 1) %>%
  plot_deepviz()
```



只能再来：

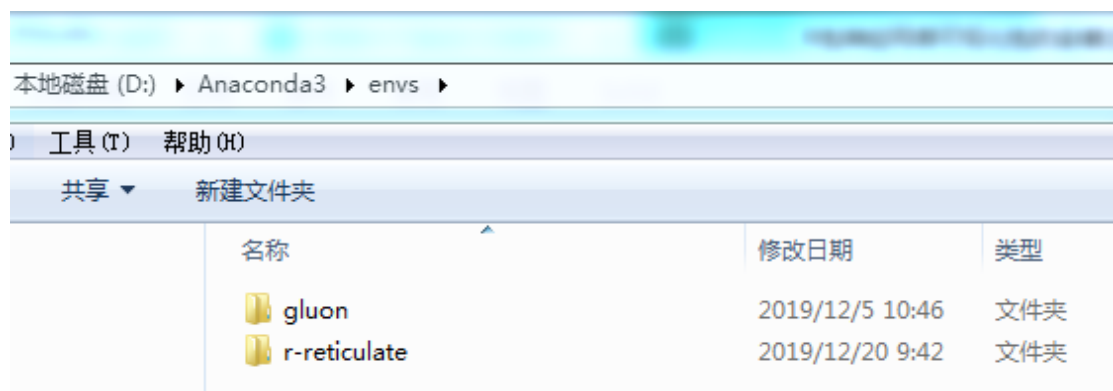

```

错误: Error installing package(s): "tensorflow==2.0.0"
> tensorflow::install_tensorflow()
Fetching package metadata .....
Solving package specifications: .

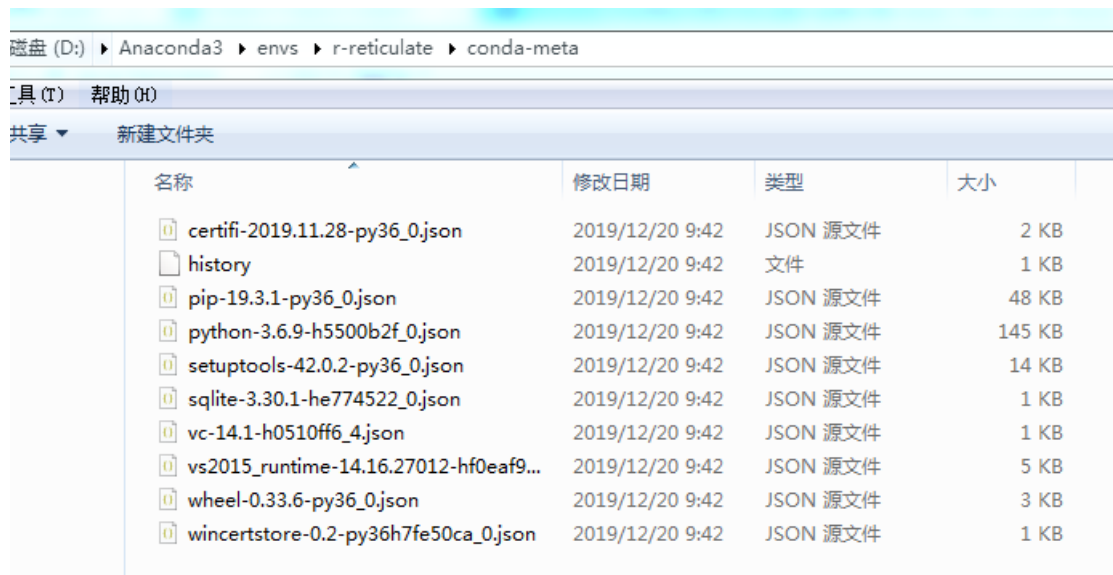
# All requested packages already installed.
# packages in environment at d:\ANACON~1\envs\r-reticulate:
#
python                      3.6.9                      h5500b2f_0
Collecting tensorflow==2.0.0
  Downloading https://files.pythonhosted.org/packages/d3/af/296748
d4c8d8987423231b93aebbe5ab5952f6f2243cb6cedb88dd425397/tensorflow-
2.0.0-cp36-cp36m-win_amd64.whl (48.1MB)

```

packages in environment at d:\ANACON~1\envs\r-reticulate:



好像自动建立了 conda 虚拟环境。



```
管理员: Anaconda Prompt
(d:\Anaconda3) C:\Users\Administrator>conda env list
# conda environments:
#
gluon                d:\Anaconda3\envs\gluon
r-reticulate         d:\Anaconda3\envs\r-reticulate
root                 * d:\Anaconda3

(d:\Anaconda3) C:\Users\Administrator>
```

删除虚拟环境

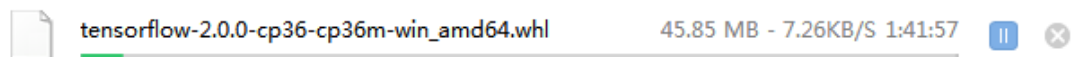
```
conda env remove -n env_name
```

```
conda remove -name env_name -all
```

分享虚拟环境

```
conda env create -f env.yaml
```

直接下载这个轮子文件：



浏览器下载居然要 1 个多小时。



```
# conda environments:
#
gluon                d:\Anaconda3\envs\gluon
r-reticulate         d:\Anaconda3\envs\r-reticulate
root                 * d:\Anaconda3

(d:\Anaconda3) C:\Users\Administrator>conda activate r-reticulate

CommandNotFoundError: 'activate'

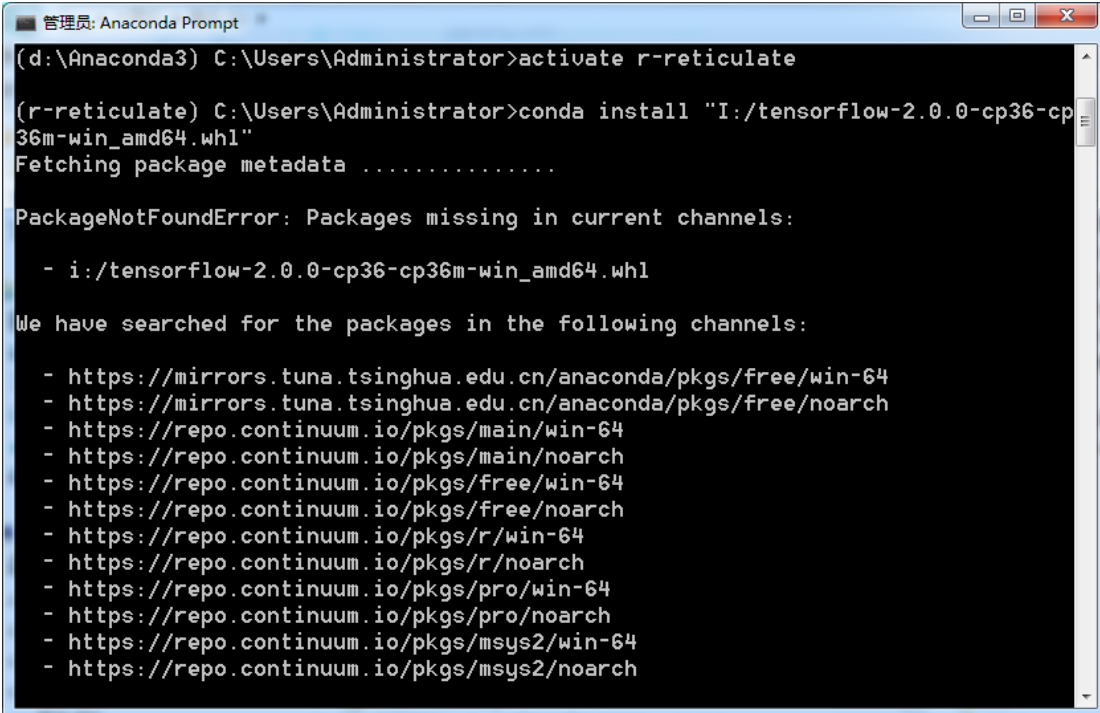
(d:\Anaconda3) C:\Users\Administrator>activate r-reticulate

(r-reticulate) C:\Users\Administrator>
```

激活虚拟环境

activate env_name

安装:



```
管理员: Anaconda Prompt
(d:\Anaconda3) C:\Users\Administrator>activate r-reticulate

(r-reticulate) C:\Users\Administrator>conda install "I:/tensorflow-2.0.0-cp36-cp36m-win_amd64.whl"
Fetching package metadata .....
PackageNotFoundError: Packages missing in current channels:

- i:/tensorflow-2.0.0-cp36-cp36m-win_amd64.whl

We have searched for the packages in the following channels:

- https://mirrors.tuna.tsinghua.edu.cn/anaconda/pkgs/free/win-64
- https://mirrors.tuna.tsinghua.edu.cn/anaconda/pkgs/free/noarch
- https://repo.continuum.io/pkgs/main/win-64
- https://repo.continuum.io/pkgs/main/noarch
- https://repo.continuum.io/pkgs/free/win-64
- https://repo.continuum.io/pkgs/free/noarch
- https://repo.continuum.io/pkgs/r/win-64
- https://repo.continuum.io/pkgs/r/noarch
- https://repo.continuum.io/pkgs/pro/win-64
- https://repo.continuum.io/pkgs/pro/noarch
- https://repo.continuum.io/pkgs/msys2/win-64
- https://repo.continuum.io/pkgs/msys2/noarch
```

进入 D:\Anaconda3\pkgs

也磁盘 (D:) > Anaconda3 > pkgs				
工具 (T) 帮助 (H)				
文件夹				
名称	修改日期	类型	大小	
sphinx_rtd_theme-0.1.9-py35_0.tar.bz2	2016/7/7 4:34	360压缩	630 KB	
sphinx-1.4.1-py35_0.tar.bz2	2016/7/7 4:34	360压缩	1,334 KB	
spyder-2.3.9-py35_0.tar.bz2	2016/7/7 4:34	360压缩	2,156 KB	
sqlalchemy-1.0.13-py35_0.tar.bz2	2016/7/7 4:34	360压缩	1,428 KB	
sqlite-3.30.1-he774522_0.tar.bz2	2019/12/20 9:39	360压缩	962 KB	
statsmodels-0.6.1-np111py35_1.tar.bz2	2016/7/7 4:34	360压缩	4,859 KB	
sympy-1.0-py35_0.tar.bz2	2016/7/7 4:34	360压缩	6,562 KB	
tensorflow-1.2.1-py35_0.tar.bz2	2018/4/6 13:28	360压缩	21,548 KB	
tensorflow-2.0.0-cp36-cp36m-win_amd64.whl	2019/12/20 10:45	WHL 文件	46,948 KB	
tk-8.5.18-vc14_0.tar.bz2	2016/7/7 4:34	360压缩	2,275 KB	
toolz-0.8.0-pv35_0.tar.bz2	2016/7/7 4:34	360压缩	80 KB	

执行以下命令可进行本地安装

```
conda install --use-local tensorflow-2.0.0-cp36-cp36m-win_amd64.whl
```

错误一样。

继续进入 i 盘安装，

```

管理员: Anaconda Prompt

(r-reticulate) C:\Users\Administrator>I:

(r-reticulate) I:\>conda install tensorflow-2.0.0-cp36-cp36m-win_amd64.whl
Fetching package metadata .....

PackageNotFoundError: Packages missing in current channels:

- tensorflow-2.0.0-cp36-cp36m-win_amd64.whl

We have searched for the packages in the following channels:

- https://mirrors.tuna.tsinghua.edu.cn/anaconda/pkgs/free/win-64
- https://mirrors.tuna.tsinghua.edu.cn/anaconda/pkgs/free/noarch
- https://repo.continuum.io/pkgs/main/win-64
- https://repo.continuum.io/pkgs/main/noarch
- https://repo.continuum.io/pkgs/free/win-64
- https://repo.continuum.io/pkgs/free/noarch
- https://repo.continuum.io/pkgs/r/win-64
- https://repo.continuum.io/pkgs/r/noarch
- https://repo.continuum.io/pkgs/pro/win-64
- https://repo.continuum.io/pkgs/pro/noarch
- https://repo.continuum.io/pkgs/msys2/win-64
- https://repo.continuum.io/pkgs/msys2/noarch
  
```

换 pip install 试试:

```
管理员: Anaconda Prompt - pip install tensorflow-2.0.0-cp36-cp36m-win_amd64.whl

(r-reticulate) I:\>pip install --use-local tensorflow-2.0.0-cp36-cp36m-win_amd64.whl

Usage:
  pip install [options] <requirement specifier> [package-index-options] ...
  pip install [options] -r <requirements file> [package-index-options] ...
  pip install [options] [-e] <vcs project url> ...
  pip install [options] [-e] <local project path> ...
  pip install [options] <archive url/path> ...

no such option: --use-local

(r-reticulate) I:\>pip install tensorflow-2.0.0-cp36-cp36m-win_amd64.whl
Processing i:\tensorflow-2.0.0-cp36-cp36m-win_amd64.whl
WARNING: Retrying (Retry(total=4, connect=None, read=None, redirect=None, status=None)) after connection broken by 'ReadTimeoutError("HTTPSConnectionPool(host='pypi.org', port=443): Read timed out. (read timeout=15)')': /simple/opt-einsum/
Collecting opt-einsum>=2.3.2
  Downloading https://files.pythonhosted.org/packages/b8/83/755bd532477875e9dfff19c2e59daec837d0378c09196634524a3d7269ac/opt_einsum-3.1.0.tar.gz (69kB)
    |#####| 40kB 59kB/s eta 0:00:
    |#####| 51kB 57kB/s eta
    |#####| 61kB 55kB/s
```

提示缺 numpy

```
管理员: Anaconda Prompt
pip install [options] <archive url/path> ...

no such option: --use-local

(r-reticulate) I:\>pip install tensorflow-2.0.0-cp36-cp36m-win_amd64.whl
Processing i:\tensorflow-2.0.0-cp36-cp36m-win_amd64.whl
WARNING: Retrying (Retry(total=4, connect=None, read=None, redirect=None, status=None)) after connection broken by 'ReadTimeoutError("HTTPSConnectionPool(host='pypi.org', port=443): Read timed out. (read timeout=15)")': /simple/opt-einsum/
Collecting opt-einsum>=2.3.2
  Downloading https://files.pythonhosted.org/packages/b8/83/755bd5324777875e9dff19c2e59daec837d0378c09196634524a3d7269ac/opt_einsum-3.1.0.tar.gz (69kB)
    |#####| 40kB 59kB/s eta 0:00:
    |#####| 51kB 57kB/s eta
    |#####| 61kB 55kB/s
    |#####| 71kB 62kB/s
B/s
Collecting six>=1.10.0
  Using cached https://files.pythonhosted.org/packages/65/26/32b8464df2a97e6dd1b656ed26b2c194606c16fe163c695a992b36c11cdf/six-1.13.0-py2.py3-none-any.whl
Collecting google-pasta>=0.1.6
  Downloading https://files.pythonhosted.org/packages/c3/fd/1e86bc4837cc9a3a5faf3db9b1854aa04ad35b5f381f9648f8e81a6f94e4/google_pasta-0.1.8-py3-none-any.whl (57kB)
    |#####| 30kB 35kB/s eta 0:00:01
    |#####| 40kB 46kB/s eta 0
    |#####| 51kB 38kB/s
    |#####| 61kB 45kB/s
B/s
ERROR: Could not find a version that satisfies the requirement numpy<2.0,>=1.16.0 (from tensorflow==2.0.0) (from versions: none)
ERROR: No matching distribution found for numpy<2.0,>=1.16.0 (from tensorflow==2.0.0)

(r-reticulate) I:\>_
```



```
管理员: Anaconda Prompt - conda install numpy
for chunk in chunks:
  File "d:\Anaconda3\envs\r-reticulate\lib\site-packages\pip\_internal\download.py", line 223, in written_chunks
    for chunk in chunks:
      File "d:\Anaconda3\envs\r-reticulate\lib\site-packages\pip\_internal\utils\ui.py", line 160, in iter
        for x in it:
          File "d:\Anaconda3\envs\r-reticulate\lib\site-packages\pip\_internal\download.py", line 212, in resp_read
            decode_content=False):
            File "d:\Anaconda3\envs\r-reticulate\lib\site-packages\pip\_vendor\urllib3\response.py", line 564, in stream
              data = self.read(amt=amt, decode_content=decode_content)
            File "d:\Anaconda3\envs\r-reticulate\lib\site-packages\pip\_vendor\urllib3\response.py", line 529, in read
              raise IncompleteRead(self._fp_bytes_read, self.length_remaining)
            File "d:\Anaconda3\envs\r-reticulate\lib\contextlib.py", line 99, in __exit__
              self.gen.throw(type, value, traceback)
            File "d:\Anaconda3\envs\r-reticulate\lib\site-packages\pip\_vendor\urllib3\response.py", line 430, in _error_catcher
              raise ReadTimeoutError(self._pool, None, "Read timed out.")
pip._vendor.urllib3.exceptions.ReadTimeoutError: HTTPConnectionPool(host='files.pythonhosted.org', port=443): Read timed out.

(r-reticulate) I:\>conda install numpy
Fetching package metadata .....
Solving package specifications: .

Package plan for installation in environment d:\ANACON~1\envs\r-reticulate:

The following NEW packages will be INSTALLED:

 blas: 1.0-mkl https://mirrors.tuna.tsinghua.edu.cn/anaconda/pkgs/free
 mkl: 2017.0.3-0 https://mirrors.tuna.tsinghua.edu.cn/anaconda/pkgs/free
 numpy: 1.13.1-py36_0 https://mirrors.tuna.tsinghua.edu.cn/anaconda/pkgs/free

Proceed ([y]/n)? _
```

```
管理员: Anaconda Prompt
extern "Python": function Cryptography_locking_cb() called, but @ffi.def_extern(
) was not called in the current subinterpreter. Returning 0.
extern "Python": function Cryptography_locking_cb() called, but @ffi.def_extern(
) was not called in the current subinterpreter. Returning 0.
extern "Python": function Cryptography_locking_cb() called, but @ffi.def_extern(
) was not called in the current subinterpreter. Returning 0.
extern "Python": function Cryptography_locking_cb() called, but @ffi.def_extern(
) was not called in the current subinterpreter. Returning 0.
extern "Python": function Cryptography_locking_cb() called, but @ffi.def_extern(
) was not called in the current subinterpreter. Returning 0.
extern "Python": function Cryptography_locking_cb() called, but @ffi.def_extern(
) was not called in the current subinterpreter. Returning 0.
extern "Python": function Cryptography_locking_cb() called, but @ffi.def_extern(
) was not called in the current subinterpreter. Returning 0.
extern "Python": function Cryptography_locking_cb() called, but @ffi.def_extern(
) was not called in the current subinterpreter. Returning 0.
extern "Python": function Cryptography_locking_cb() called, but @ffi.def_extern(
) was not called in the current subinterpreter. Returning 0.

(r-reticulate) I:\>conda install numpy==1.7
Fetching package metadata .....
Solving package specifications: .

UnsatisfiableError: The following specifications were found to be in conflict:
  - numpy ==1.7 -> python 2.6*
  - python 3.6*
Use "conda info <package>" to see the dependencies for each package.

(r-reticulate) I:\>conda install numpy==1.9
Fetching package metadata .....
Solving package specifications: .

UnsatisfiableError: The following specifications were found to be in conflict:
  - numpy ==1.9 -> python 2.7*
  - python 3.6*
Use "conda info <package>" to see the dependencies for each package.

(r-reticulate) I:\>_
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管理员: Anaconda Prompt - pip install tensorflow-2.0.0-cp36-cp36m-win_amd64.whl
) was not called in the current subinterpreter. Returning 0.
extern "Python": function Cryptography_locking_cb() called, but @ffi.def_extern(
) was not called in the current subinterpreter. Returning 0.

(r-reticulate) I:\>conda install numpy==1.7
Fetching package metadata .....
Solving package specifications: .

UnsatisfiableError: The following specifications were found to be in conflict:
  - numpy ==1.7 -> python 2.6*
  - python 3.6*
Use "conda info <package>" to see the dependencies for each package.

(r-reticulate) I:\>conda install numpy==1.9
Fetching package metadata .....
Solving package specifications: .

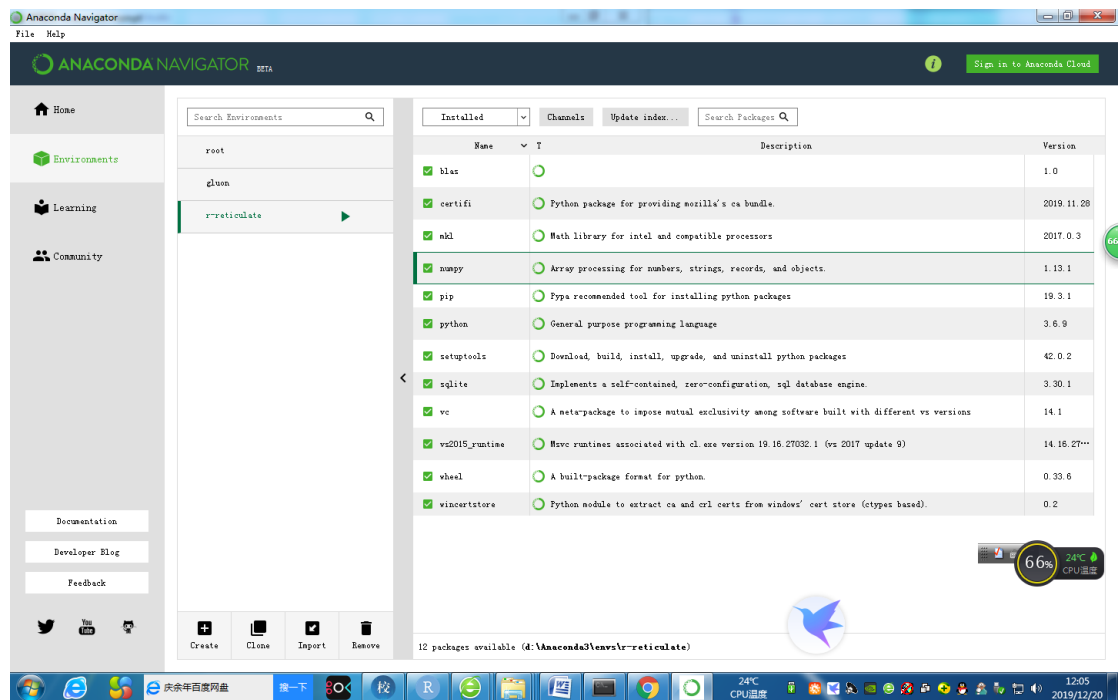
UnsatisfiableError: The following specifications were found to be in conflict:
  - numpy ==1.9 -> python 2.7*
  - python 3.6*
Use "conda info <package>" to see the dependencies for each package.

(r-reticulate) I:\>pip install tensorflow-2.0.0-cp36-cp36m-win_amd64.whl
Processing i:\tensorflow-2.0.0-cp36-cp36m-win_amd64.whl
Collecting protobuf>=3.6.1
  Downloading https://files.pythonhosted.org/packages/78/c5/5f64362524497c0ab5f5
32f58d605c9a6f75a7313974893f6c3168903dfe/protobuf-3.11.1-cp36-cp36m-win_amd64.wh
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管理员: Anaconda Prompt - pip install tensorflow-2.0.0-cp36-cp36m-win_amd64.whl
for chunk in chunks:
File "d:\Anaconda3\envs\r-reticulate\lib\site-packages\pip\_internal\download.py", line 223, in written_chunks
for chunk in chunks:
File "d:\Anaconda3\envs\r-reticulate\lib\site-packages\pip\_internal\utils\ui.py", line 160, in iter
for x in it:
File "d:\Anaconda3\envs\r-reticulate\lib\site-packages\pip\_internal\download.py", line 212, in resp_read
decode_content=False):
File "d:\Anaconda3\envs\r-reticulate\lib\site-packages\pip\_vendor\urllib3\response.py", line 564, in stream
data = self.read(amt=amt, decode_content=decode_content)
File "d:\Anaconda3\envs\r-reticulate\lib\site-packages\pip\_vendor\urllib3\response.py", line 529, in read
raise IncompleteRead(self._fp_bytes_read, self.length_remaining)
File "d:\Anaconda3\envs\r-reticulate\lib\contextlib.py", line 99, in __exit__
self.gen.throw(type, value, traceback)
File "d:\Anaconda3\envs\r-reticulate\lib\site-packages\pip\_vendor\urllib3\response.py", line 430, in _error_catcher
raise ReadTimeoutError(self._pool, None, "Read timed out.")
pip._vendor.urllib3.exceptions.ReadTimeoutError: HTTPSConnectionPool(host='files.pythonhosted.org', port=443): Read timed out.

(r-reticulate) I:\>pip install tensorflow-2.0.0-cp36-cp36m-win_amd64.whl
Processing i:\tensorflow-2.0.0-cp36-cp36m-win_amd64.whl
Collecting astor>=0.6.0
Using cached https://files.pythonhosted.org/packages/c3/88/97eef84f48fa04fbd6750e62dcceafba6c63c81b7ac1420856c8dcc0a3f9/astor-0.8.1-py2.py3-none-any.whl
Requirement already satisfied: wheel>=0.26 in d:\anaconda3\envs\r-reticulate\lib\site-packages (from tensorflow==2.0.0) (0.33.6)
Collecting keras-applications>=1.0.8
Using cached https://files.pythonhosted.org/packages/71/e3/19762fdcf62877ae9102edf6342d71b28fbfd9dea3d2f96a882ce099b03f/Keras_Applications-1.0.8-py3-none-any.whl
Collecting numpy<2.0,>=1.16.0
Downloading https://files.pythonhosted.org/packages/b0/ee/5ff445dd43b9820e5494d21240e689d3b7cb52bc93f4f164eba84206cd0d/numpy-1.17.4-cp36-cp36m-win_amd64.whl (12.7MB)
|■■■| 563kB 14kB/s eta 0:14:01
```



<https://www.lfd.uci.edu/~gohlke/pythonlibs/>

请教山东工商学院董老师:

`pip install numpy==1.17 -i http://mirrors.aliyun.com/pypi/simple --trusted-host mirrors.aliyun.com`

很快安装完了。


```
管理员: Anaconda Prompt
Building wheel for absl-py (setup.py) ... done
Created wheel for absl-py: filename=absl_py-0.9.0-cp36-none-any.whl size=12193
7 sha256=8e3574e3e4e08a438e99ba64d8201b9ef72d9043b4e3d65cadd4b0c31e49468
Stored in directory: C:\Users\Administrator\AppData\Local\pip\Cache\wheels\00\
11\66\ee668d06ed8b8b5eb8a3a21c5cfc3478bdecad69631926b993
Building wheel for gast (setup.py) ... done
Created wheel for gast: filename=gast-0.2.2-cp36-none-any.whl size=7547 sha256
=a4188dd2a69e5b25c26a86759ba2c9fd85052d9b2a25e6e5381a0467fe915f8a
Stored in directory: C:\Users\Administrator\AppData\Local\pip\Cache\wheels\1e\
bb\b8\F56c307067a9e47f2e28dcdaedbdd4675706187abfdddbff3b
Building wheel for termcolor (setup.py) ... done
Created wheel for termcolor: filename=termcolor-1.1.0-cp36-none-any.whl size=4
835 sha256=23b5f2ed9a84605c022d1f2cf53c2297b3604df709b110df27a82446f41a2269
Stored in directory: C:\Users\Administrator\AppData\Local\pip\Cache\wheels\65\
c8\98\8361afe9bafba434b7acf14c08627560d63018272226ff3e10
Building wheel for wrapt (setup.py) ... done
Created wheel for wrapt: filename=wrapt-1.11.2-cp36-none-any.whl size=19597 sh
a256=79cbdeef92ceb365897bcd6d5134da8275e4824ca1db463ba9da525a7b467f7b
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e2\75\7b024ace8eb7b96db48cfea54d8b115f6b8199c5309571669e
Building wheel for opt-einsum (setup.py) ... done
Created wheel for opt-einsum: filename=opt_einsum-3.1.0-cp36-none-any.whl size
=61701 sha256=84a619557d6c42389e33c920fb2a8395d0a37dadd45d194c01dbcea1c5fb3f4b
Stored in directory: C:\Users\Administrator\AppData\Local\pip\Cache\wheels\92\
03\aa\0a817ff27c3ab116a7e763390ecbbb4929679e01df2fcc7913
Successfully built absl-py gast termcolor wrapt opt-einsum
Installing collected packages: six, absl-py, gast, cachetools, pyasn1, rsa, pyas
n1-modules, google-auth, idna, chardet, urllib3, requests, oauthlib, requests-oa
uthlib, google-auth-oauthlib, grpcio, markdown, werkzeug, protobuf, tensorboard,
termcolor, astor, wrapt, h5py, keras-applications, google-pasta, keras-preproce
ssing, tensorflow-estimator, opt-einsum, tensorflow
Successfully installed absl-py-0.9.0 astor-0.8.1 cachetools-4.0.0 chardet-3.0.4
gast-0.2.2 google-auth-1.10.0 google-auth-oauthlib-0.4.1 google-pasta-0.1.8 grpc
io-1.26.0 h5py-2.10.0 idna-2.8 keras-applications-1.0.8 keras-preprocessing-1.1.
0 markdown-3.1.1 oauthlib-3.1.0 opt-einsum-3.1.0 protobuf-3.11.1 pyasn1-0.4.8 py
asn1-modules-0.2.7 requests-2.22.0 requests-oauthlib-1.3.0 rsa-4.0 six-1.13.0 te
nsorboard-2.0.2 tensorflow-2.0.0 tensorflow-estimator-2.0.1 termcolor-1.1.0 url
ib3-1.25.7 werkzeug-0.16.0 wrapt-1.11.2

(r-reticulate) I:\>
```

运行又有错误:

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152 #c(4, 1) %>%
153 # plot_deepviz()
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156 ### one hidden layer:
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Your CPU supports instructions that this TensorFlow binary was not compiled to use: AVX2?

欢迎网友们交流！

山东理工大学 数学学院 周世祥