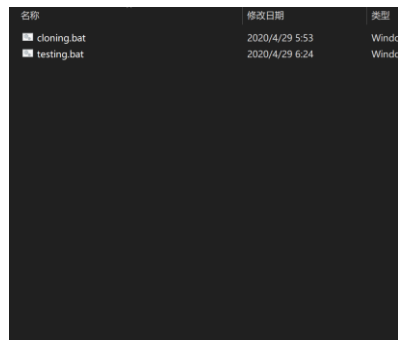


Since this project relies on the files generated by Openpose. It couldn't use one bat file to download and run at the same time.

Thus, this project provides two bat file. Clone and Testing.

Step1: Put these two bat files in your folder:



Step2: cd into this folder and run cloning.bat:

As it shows, the codes are downloaded. But we need to put models, videos and Openpose files into this project to make it run.

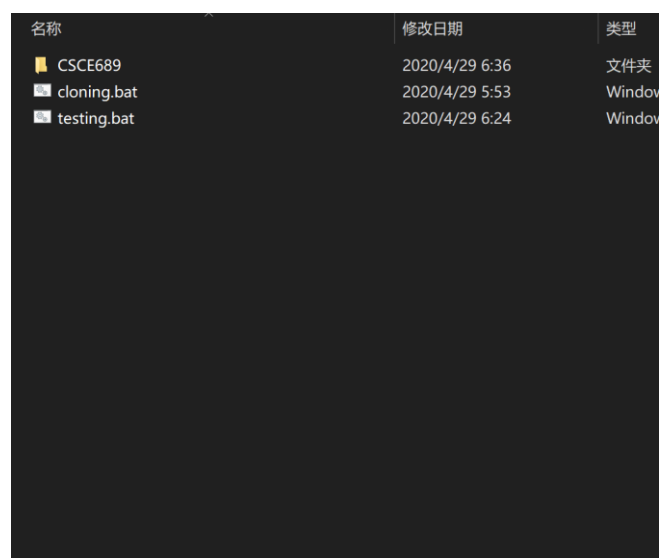
```
Microsoft Windows [版本 10.0.18363.778]
(c) 2019 Microsoft Corporation. 保留所有权利。

C:\Users\wangz>cd desktop/g

C:\Users\wangz\Desktop\g>cloning.bat

C:\Users\wangz\Desktop\g>set GIT_REPO_URL=https://github.com/ziruiwang1997/CSCE689.git

C:\Users\wangz\Desktop\g>git clone https://github.com/ziruiwang1997/CSCE689.git
Cloning into 'CSCE689'...
remote: Enumerating objects: 60, done.
remote: Counting objects: 100% (60/60), done.
remote: Compressing objects: 100% (58/58), done.
Receiving objects: 100% (60/60), 109.59 KiB | 773.00 KiB/s, done.
Resolving deltas: 100% (27/27), done.
C:\Users\wangz\Desktop\g>
```



Step3: Generate Openpose files, download models and testing videos.

名称	修改日期	类型
.git	2020/4/29 6:36	文件夹
test1	2020/4/29 6:38	文件夹
confusing.h5	2020/4/21 0:26	H5 文件
ensemble.h5	2020/4/21 2:03	H5 文件
finaltesting.py	2020/4/29 6:36	JetBrain
Prepare Ensemble Data.ipynb	2020/4/29 6:36	IPYNB 文
Preparing Data.ipynb	2020/4/29 6:36	IPYNB 文
README.md	2020/4/29 6:36	MD 文件
sub5 test ensemble.ipynb	2020/4/29 6:36	IPYNB 文
sub6 test ensemble.ipynb	2020/4/29 6:36	IPYNB 文
talking.h5	2020/4/21 0:08	H5 文件
test_old.ipynb	2020/4/29 6:36	IPYNB 文
test1.mp4	2020/4/11 14:01	MP4 - M
Training Model.ipynb	2020/4/29 6:36	IPYNB 文

The only way to run the code is to manually put these files into the code. Suppose the testing video is called test1.mp4, then generated its Openpose files and put them in a folder. Notice, the folder should also called 'test1'.

名称	修改日期	类型
test1_000000000000_keypoints.json	2020/4/11 14:29	JSON 文
test1_000000000001_keypoints.json	2020/4/11 14:29	JSON 文
test1_000000000002_keypoints.json	2020/4/11 14:29	JSON 文
test1_000000000003_keypoints.json	2020/4/11 14:29	JSON 文
test1_000000000004_keypoints.json	2020/4/11 14:29	JSON 文
test1_000000000005_keypoints.json	2020/4/11 14:29	JSON 文
test1_000000000006_keypoints.json	2020/4/11 14:29	JSON 文
test1_000000000007_keypoints.json	2020/4/11 14:29	JSON 文
test1_000000000008_keypoints.json	2020/4/11 14:29	JSON 文
test1_000000000009_keypoints.json	2020/4/11 14:29	JSON 文
test1_000000000010_keypoints.json	2020/4/11 14:29	JSON 文
test1_000000000011_keypoints.json	2020/4/11 14:29	JSON 文
test1_000000000012_keypoints.json	2020/4/11 14:29	JSON 文
test1_000000000013_keypoints.json	2020/4/11 14:29	JSON 文
test1_000000000014_keypoints.json	2020/4/11 14:29	JSON 文
test1_000000000015_keypoints.json	2020/4/11 14:29	JSON 文
test1_000000000016_keypoints.json	2020/4/11 14:29	JSON 文
test1_000000000017_keypoints.json	2020/4/11 14:29	JSON 文
test1_000000000018_keypoints.json	2020/4/11 14:29	JSON 文
test1_000000000019_keypoints.json	2020/4/11 14:29	JSON 文

The models could be downloaded at:

https://drive.google.com/file/d/1KHtb-maJ6_fzjYWDvsdCF8ohCnspCbl/view?usp=sharing

This project needs three models: ensemble, talking and confusing. Please unzip them and put them in the same folder as the figure shows.

In conclusion: 3 extra things need to be added

- 1) Openpose files,
- 2) Video
- 3) 3 models

Step4: run the code

Get back to the previous folder, run testing.bat

名称	修改日期	内容
CSCE689	2020/4/29 6:38	C:\Users\wangz>cd desktop/g
cloning.bat	2020/4/29 5:53	C:\Users\wangz\Desktop>cloning.bat
testing.bat	2020/4/29 6:24	C:\Users\wangz\Desktop>set GIT_REPO_URL=https://github.com/ziruiwang1997/CSCE689.git C:\Users\wangz\Desktop>git clone https://github.com/ziruiwang1997/CSCE689.git Cloning into 'CSCE689'... remote: Enumerating objects: 60, done. remote: Counting objects: 100% (60/60), done. remote: Compressing objects: 100% (58/58), done. Receiving objects: 100% (60/60), 109.59 KiB 773.00 KiB/s, done. Resolving deltas: 100% (27/27), done. C:\Users\wangz\Desktop>cd CSCE689 C:\Users\wangz\Desktop>python finaltesting.py test1 test1.mp4 Using TensorFlow backend. 1812

Once successful, it will generates figures required: (the figure is in html form)

名称	修改日期	类型
.git	2020/4/29 6:36	文件夹
test1	2020/4/29 6:38	文件夹
430000313.html	2020/4/29 6:46	Chrome H
430000313.json	2020/4/29 6:46	JSON File
confusing.h5	2020/4/21 0:26	H5 文件
ensemble.h5	2020/4/21 2:03	H5 文件
finaltesting.py	2020/4/29 6:36	JetBrains F
Prepare Ensemble Data.ipynb	2020/4/29 6:36	IPYNB 文件
Preparing Data.ipynb	2020/4/29 6:36	IPYNB 文件
README.md	2020/4/29 6:36	MD 文件
sub5 test ensemble.ipynb	2020/4/29 6:36	IPYNB 文件
sub6 test ensemble.ipynb	2020/4/29 6:36	IPYNB 文件
talking.h5	2020/4/21 0:08	H5 文件
test_old.ipynb	2020/4/29 6:36	IPYNB 文件
test1.mp4	2020/4/11 14:01	MP4 - MP
test1_result.mp4	2020/4/29 6:46	MP4 - MP
timeLabel.html	2020/4/29 6:46	Chrome H
timeLabel.json	2020/4/29 6:46	JSON File
Training Model.ipynb	2020/4/29 6:36	IPYNB 文件

It also generates a new video, which could help you to view the prediction while seeing the video



In addition, the generated figures could only be html form. This html file could give more information about the chart by clicking the mouse. If a jpg file is required, please click save as

jpg file as it shows:

