

```
! pip install yoloface
```

```
Collecting yoloface
  Downloading https://files.pythonhosted.org/packages/e2/4e/4680ee6c99408ccb44289820da59d996dcb79b1fac1613c48729ac1012d5/yolofa
Requirement already satisfied: numpy in /usr/local/lib/python3.7/dist-packages (from yoloface) (1.19.5)
Requirement already satisfied: Pillow in /usr/local/lib/python3.7/dist-packages (from yoloface) (7.1.2)
Requirement already satisfied: gdown in /usr/local/lib/python3.7/dist-packages (from yoloface) (3.6.4)
Requirement already satisfied: opencv-python in /usr/local/lib/python3.7/dist-packages (from yoloface) (4.1.2.30)
Requirement already satisfied: requests in /usr/local/lib/python3.7/dist-packages (from gdown->yoloface) (2.23.0)
Requirement already satisfied: six in /usr/local/lib/python3.7/dist-packages (from gdown->yoloface) (1.15.0)
Requirement already satisfied: tqdm in /usr/local/lib/python3.7/dist-packages (from gdown->yoloface) (4.41.1)
Requirement already satisfied: idna<3,>=2.5 in /usr/local/lib/python3.7/dist-packages (from requests->gdown->yoloface) (2.10)
Requirement already satisfied: certifi>=2017.4.17 in /usr/local/lib/python3.7/dist-packages (from requests->gdown->yoloface) (2
Requirement already satisfied: urllib3!=1.25.0,!=1.25.1,<1.26,>=1.21.1 in /usr/local/lib/python3.7/dist-packages (from requests
Requirement already satisfied: chardet<4,>=3.0.2 in /usr/local/lib/python3.7/dist-packages (from requests->gdown->yoloface) (3.
Building wheels for collected packages: yoloface
  Building wheel for yoloface (setup.py) ... done
  Created wheel for yoloface: filename=yoloface-0.0.4-cp37-none-any.whl size=5966 sha256=021a6e351f0bbcb1b2cfdf7fbe7b2d4e7d27f
  Stored in directory: /root/.cache/pip/wheels/20/c7/0f/22fe971beb5293444da01988826708a6dee705201abc943fb5
Successfully built yoloface
Installing collected packages: yoloface
Successfully installed yoloface-0.0.4
```

```
! git clone https://github.com/vishalbpatil1/yoloface
```

```
fatal: destination path 'yoloface' already exists and is not an empty directory.
```

```
# import libraries
from yoloface import face_analysis
import cv2
face=face_analysis()

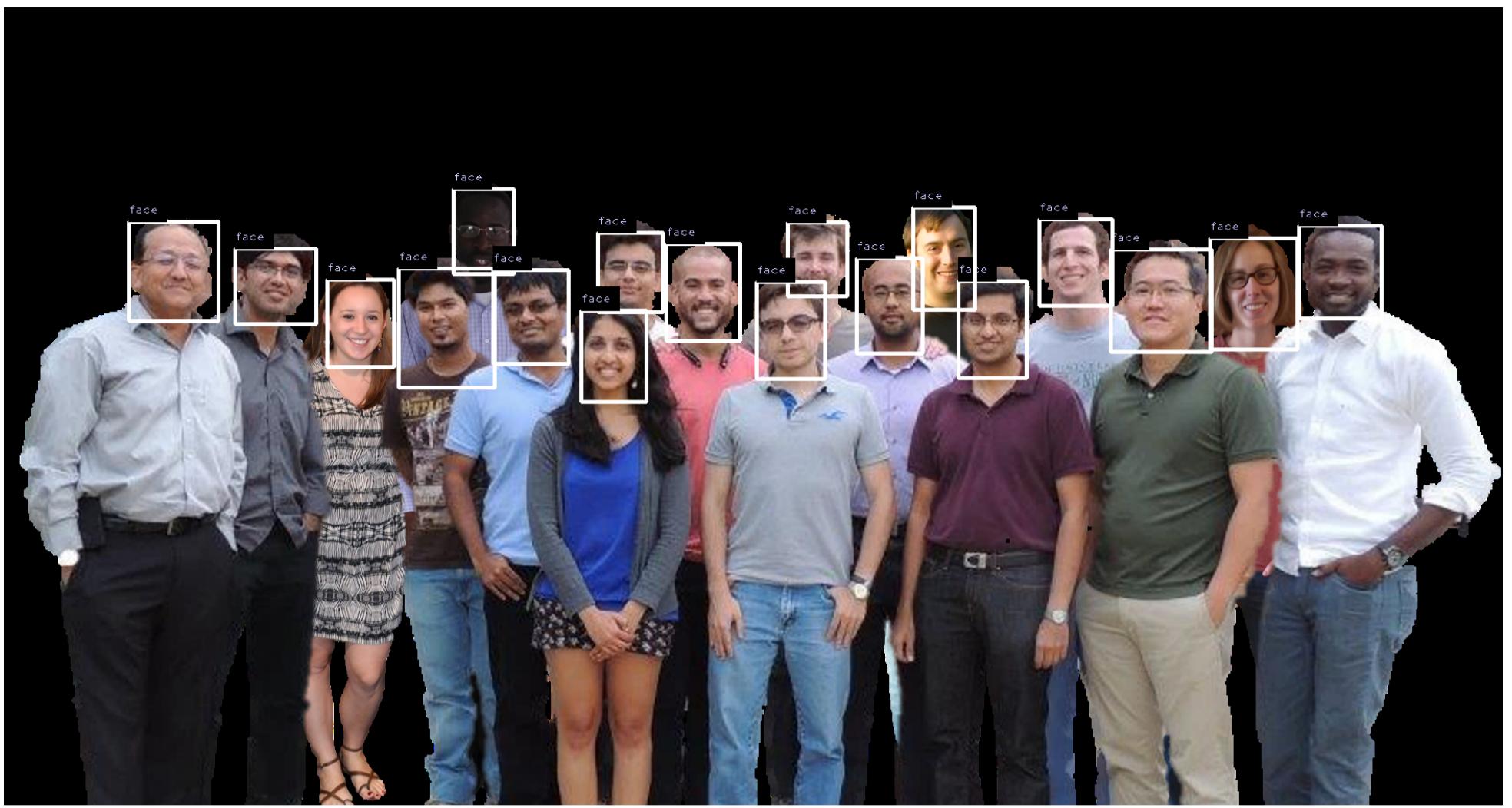
Downloading...
From: https://drive.google.com/uc?id=1JYrRT4Xe-NTrxYGhcj\_hy7NtL4D2c77v
To: /content/.yoloface/yolov3-tiny_face.weights
34.7MB [00:00, 50.7MB/s]
Downloading...
From: https://drive.google.com/uc?id=1S4W6mpQ0gVvjpPupbhW6rHEjl-OaUR-g
To: /content/.yoloface/yolov3_tiny_face.cfg
100%|██████████| 2.09k/2.09k [00:00<00:00, 1.81MB/s]
Downloading...
From: https://drive.google.com/uc?id=1EF1RsOA6oGLLBH2VMD0qHSfDI70CDXeW
To: /content/.yoloface/face_detection.weights
246MB [00:03, 67.0MB/s]
Downloading...
From: https://drive.google.com/uc?id=1ZxUm00B1435taazz8P0Pqjq8r8Rypeip
To: /content/.yoloface/face_detection.cfg
100%|██████████| 8.34k/8.34k [00:00<00:00, 1.71MB/s]
```

Input image

```
img,box,conf=face.face_detection(image_path='/content/yoloface/test/peoples.png',model='full')
```

```
for i in range(len(box)):  
    print(i,'] face [x,y,w,h] :',box[i], 'confidence:',conf[i])  
  
0 ] face [x,y,w,h] : [1074, 316, 120, 83] confidence: 0.9913449287414551  
1 ] face [x,y,w,h] : [1202, 345, 122, 86] confidence: 0.987001895904541  
2 ] face [x,y,w,h] : [566, 229, 107, 76] confidence: 0.9857531189918518  
3 ] face [x,y,w,h] : [748, 284, 100, 82] confidence: 0.9825963377952576  
4 ] face [x,y,w,h] : [497, 329, 150, 121] confidence: 0.9798728823661804  
5 ] face [x,y,w,h] : [407, 343, 110, 84] confidence: 0.9791095852851868  
6 ] face [x,y,w,h] : [291, 304, 95, 102] confidence: 0.9761260151863098  
7 ] face [x,y,w,h] : [1394, 305, 129, 127] confidence: 0.9674656391143799  
8 ] face [x,y,w,h] : [834, 298, 122, 93] confidence: 0.9612361192703247  
9 ] face [x,y,w,h] : [727, 382, 115, 82] confidence: 0.9585117101669312  
10 ] face [x,y,w,h] : [987, 271, 93, 75] confidence: 0.9583305716514587  
11 ] face [x,y,w,h] : [1304, 267, 109, 92] confidence: 0.9578203558921814  
12 ] face [x,y,w,h] : [948, 346, 122, 86] confidence: 0.9569374322891235  
13 ] face [x,y,w,h] : [616, 331, 118, 95] confidence: 0.9496124386787415  
14 ] face [x,y,w,h] : [1145, 252, 129, 78] confidence: 0.9402638077735901  
15 ] face [x,y,w,h] : [1519, 291, 140, 110] confidence: 0.9231793284416199  
16 ] face [x,y,w,h] : [1631, 275, 117, 104] confidence: 0.7713413834571838  
17 ] face [x,y,w,h] : [157, 270, 125, 113] confidence: 0.6570899486541748
```

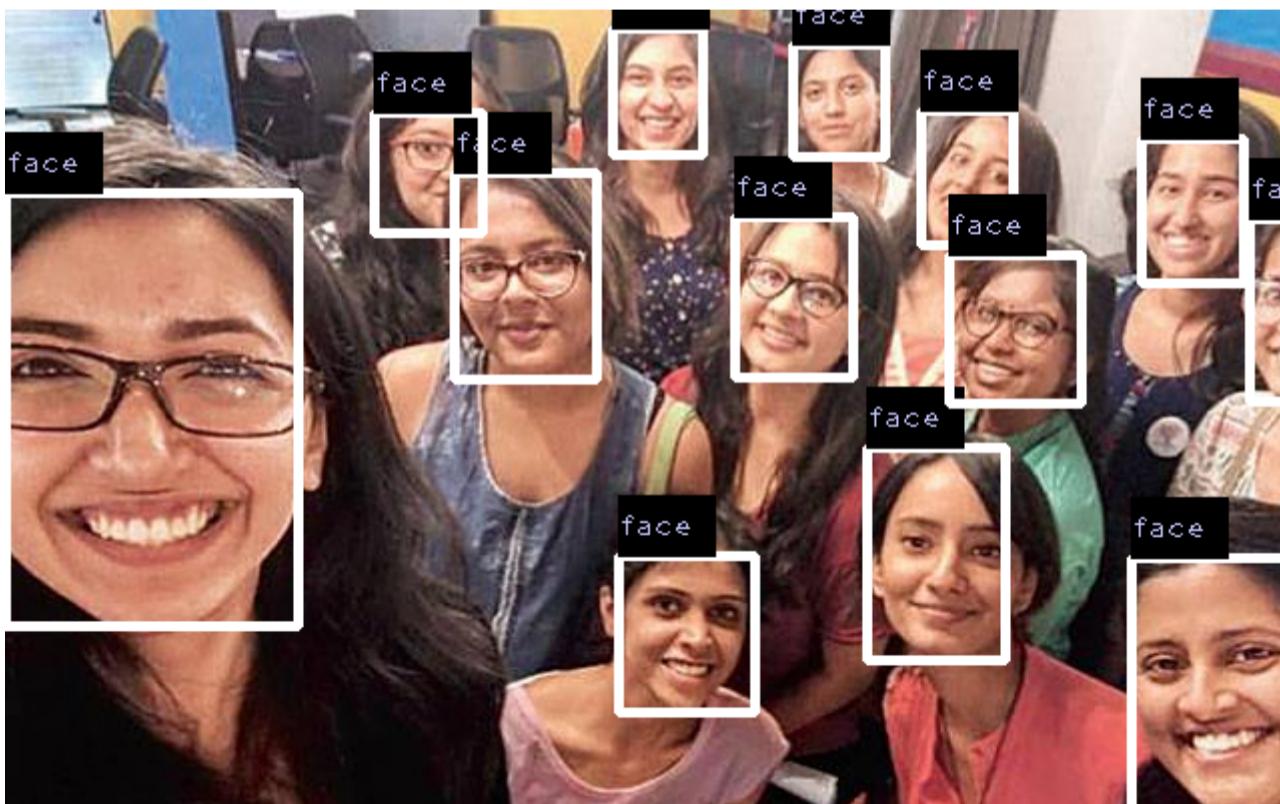
```
face.show_output(img,face_box=box)
```



```
img,box,conf=face.face_detection(image_path='/content/yoloface/test/a56.jpg',model='full')
```

```
for i in range(len(box)):  
    print(i,'] face [x,y,w,h] :',box[i], 'confidence:',conf[i])  
  
0 ] face [x,y,w,h] : [457, 50, 67, 46] confidence: 0.9998428821563721  
1 ] face [x,y,w,h] : [224, 81, 103, 71] confidence: 0.9997205138206482  
2 ] face [x,y,w,h] : [0, 91, 216, 146] confidence: 0.9996480941772461  
3 ] face [x,y,w,h] : [303, 9, 63, 45] confidence: 0.9995843768119812  
4 ] face [x,y,w,h] : [430, 218, 106, 69] confidence: 0.9994007349014282  
5 ] face [x,y,w,h] : [567, 64, 72, 51] confidence: 0.9991520047187805  
6 ] face [x,y,w,h] : [471, 122, 74, 66] confidence: 0.998490035533905  
7 ] face [x,y,w,h] : [364, 103, 80, 59] confidence: 0.9976402521133423  
8 ] face [x,y,w,h] : [562, 273, 129, 78] confidence: 0.9947769045829773  
9 ] face [x,y,w,h] : [184, 51, 60, 54] confidence: 0.991753876209259  
10 ] face [x,y,w,h] : [621, 104, 91, 26] confidence: 0.9875609278678894  
11 ] face [x,y,w,h] : [393, 17, 56, 46] confidence: 0.9849687814712524  
12 ] face [x,y,w,h] : [306, 272, 78, 68] confidence: 0.9780290126800537
```

```
face.show_output(img,face_box=box)
```



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