

Face Detection using OpenCV

- The Code:

```
import cv2

import numpy as np

face_cascade =
cv2.CascadeClassifier('https://github.com/opencv/opencv/blob/master/data/haarcascades/haarcascade_frontalface_default.xml')

pic = cv2.imread('face.jpg')
scale_factor = 1.3

while 1:
    faces= face_cascade.detectMultiScale(pic , scale_factor, 5)

    for(x,y,w,h) in faces:
        cv2.rectangle(pic, (x,y),(x+w , y+h), (255, 0, 0),2)

        font = cv2.FONT_HERSHEY_SIMPLEX
        cv2.putText(pic, 'Man', (x,y),font , 2, (255,255,255),2, cv2.LINE_AA)

    print("Number of faces found {}".format(len(faces)))
    cv2.imshow('face', pic)

    k = cv2.waitKey(30) & 0xff

    if k==2:
        break

    cv2.destroyAllWindows()
```

- The Run:

