

```

from deepface import DeepFace
import matplotlib.pyplot as plt
import pandas as pd

image_paths = ['./tests/dataset/son1.jpg', './tests/dataset/son2.jpg',
                './tests/dataset/son3.jpg']

''' 3 DB '''

print("Test Data Images - ")
print("-----")

images = [plt.imread(image_path) for image_path in image_paths]
plt.subplot(1, 3, 1)
plt.imshow(images[0])
plt.subplot(1, 3, 2)
plt.imshow(images[1])
plt.subplot(1, 3, 3)
plt.imshow(images[2])

for ax in axes.flatten():
    ax.set_xticks([])
    ax.set_yticks([])

plt.show()

Test Data Images -
-----

```



```

model_name = 'ArcFace'

# Recognition - Test 1
source = DeepFace.detectFace('source.jpg')
plt.imshow(source)
df = DeepFace.find('source.jpg', db_path = './tests/dataset/',

```

```
model_name = model_name)
```

```
print(df)
```

⚠ Function detectFace is deprecated. Use extract_faces instead.

WARNING: Representations for images in ./tests/dataset/ folder were previously stored in representations_arcface.pkl. If you added new instances after the creation, then please delete this file and call find function again. It will create it again.

There are 70 representations found in representations_arcface.pkl
find function lasts 0.25121545791625977 seconds

```
[      identity  source_x  source_y  source_w  source_h  
 \  
0  ./tests/dataset//son1.jpg      72      38      60      60  
1  ./tests/dataset//son3.jpg      72      38      60      60  
2  ./tests/dataset//son2.jpg      72      38      60      60
```

```
      ArcFace_cosine  
0      0.384957  
1      0.522217  
2      0.523759 ]
```



Recognition - Test 2

```
source2 = DeepFace.detectFace('source2.jpg')
plt.imshow(source2)
df = DeepFace.find('source2.jpg', db_path = './tests/dataset/',
model_name = model_name)
print(df) # ~
```

⚠ Function detectFace is deprecated. Use extract_faces instead.

WARNING: Representations for images in ./tests/dataset/ folder were previously stored in representations_arcface.pkl. If you added new instances after the creation, then please delete this file and call find function again. It will create it again.

There are 70 representations found in representations_arcface.pkl

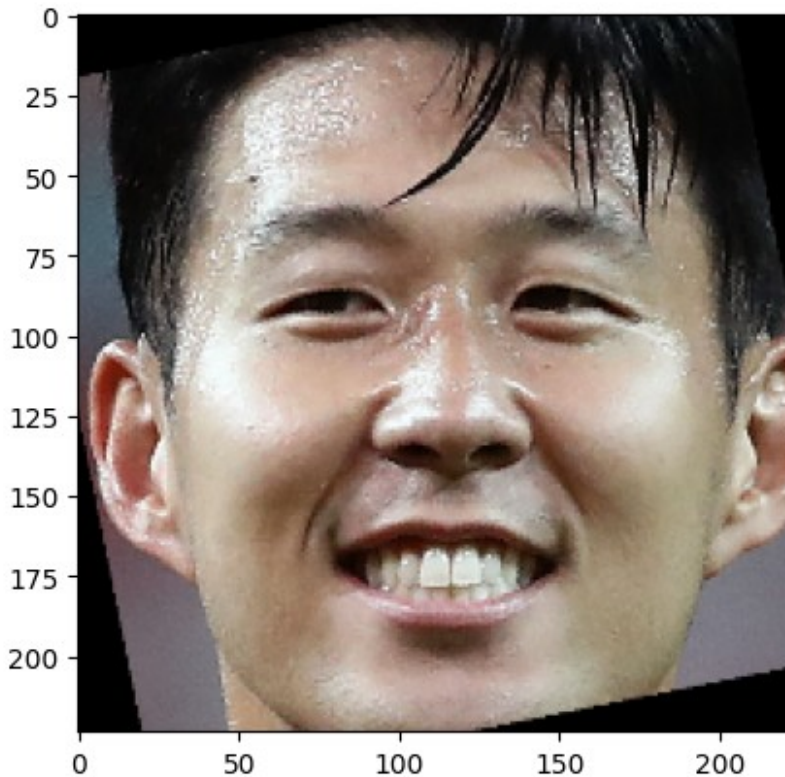
find function lasts 0.8334205150604248 seconds

	identity	source_x	source_y	source_w	source_h
0	./tests/dataset//son3.jpg	1531	443	514	514
1	./tests/dataset//son1.jpg	1531	443	514	514
2	./tests/dataset//son2.jpg	1531	443	514	514

	ArcFace_cosine		identity	source_x	source_y
0	0.316940				
1	0.425431				
2	0.490783				
		source_w	source_h		
0	./tests/dataset//img58.jpg	1181	1829	87	87
1	./tests/dataset//img39.jpg	1181	1829	87	87
2	./tests/dataset//img57.jpg	1181	1829	87	87
3	./tests/dataset//img54.jpg	1181	1829	87	87
4	./tests/dataset//img67.jpg	1181	1829	87	87
5	./tests/dataset//img8.jpg	1181	1829	87	87
6	./tests/dataset//img26.jpg	1181	1829	87	87
7	./tests/dataset//img54.jpg	1181	1829	87	87

	ArcFace_cosine
0	0.031126
1	0.032847
2	0.034412
3	0.036068
4	0.038981

```
5      0.040262
6      0.040706
7      0.042462 ]
```



```
# Recognition - Test 2
source3 = DeepFace.detectFace('source3.jpg')
plt.imshow(source3)
df = DeepFace.find('source3.jpg', db_path = './tests/dataset/',
model_name = model_name)
print(df)
```

⚠ Function detectFace is deprecated. Use extract_faces instead.
WARNING: Representations for images in ./tests/dataset/ folder were previously stored in representations_arcface.pkl. If you added new instances after the creation, then please delete this file and call find function again. It will create it again.
There are 70 representations found in representations_arcface.pkl
find function lasts 0.3396012783050537 seconds
[Empty DataFrame
Columns: [identity, source_x, source_y, source_w, source_h, ArcFace_cosine]
Index: []]

