

# Ex2

## 1. A

```
> face_recognition ./known_people/ ./unkown_people/  
./unkown_people/unknown.jpg,Donald Trump  
./unkown_people/unknown6.jpg,Chin-Hui Tsao  
./unkown_people/unknown5.jpg,no_persons_found  
./unkown_people/unknown4.jpg,Dwayne Johnson  
./unkown_people/unknown3.jpg,Dule Hill  
./unkown_people/unknown2.jpg,Jared Kushner
```

1. unknown.jpg is a deep fake of Donald Trump from the web series Sassy Justice  
I do not know if this counts as a false positive
- 2.. true
3. Chin-Hui Tsao wearing a hat and with shadow in the upper part of his face
4. true
5. unknown2.jpg is a deep fake of Donald Trump from the web series Sassy Justice  
I do not know if this counts as a false positive

```
face_recognition --show-distance true ./known_people/ ./unkown_people/  
/unkown_people/unknown.jpg,Donald Trump,0.4833129723669849  
/unkown_people/unknown6.jpg,Chin-Hui Tsao ,0.5064068421060346  
/unkown_people/unknown5.jpg,no_persons_found,None  
/unkown_people/unknown4.jpg,Dwayne Johnson,0.4762366373556914  
/unkown_people/unknown3.jpg,Dule Hill ,0.4449570772961705  
/unkown_people/unknown2.jpg,Jared Kushner,0.5024224737799411
```

See Folders

## Welche Arten von Facial Recognition hast du bereits selber angetroffen oder verwendet?

Reverse Image Search

Only read about the horrible consequences when it goes wrong.

<https://www.bbc.com/news/technology-57101248>

## Welches sind die Chancen und Risiken von Facial Recognition? Gibt es deiner Meinung nach mehr positive oder negative Aspekte? Warum?

According to research published in April 2020 by the Center for Strategic and International Studies facial recognition technology systems in ideal conditions have a precision of 99.97% recognition accuracy level. However, perfect conditions are hardly achievable in daily operations, and algorithms face various factors affecting their accuracy.

This means if e.g. Airport Zürich with approximately 2 million passengers per month using such a system would have 600 false positives per month. What this implies is relatively open and depends on the face a false positive matched with.

Biometric surveillance violates fundamental rights such as the right to informational self-determination and freedom of expression.

In addition to freedom of expression, the right to participate anonymously in assemblies / demonstration is also at risk. The police can identify more and more people at any time with their growing database of images. Third parties can also identify participants of assemblies thanks to face search engines such as Clearview AI or Pimeyes without any specific reason.

Positive:

Maybe it helped to prevent crime. But I did not find data that supports this claim.

The negative side clearly outweighs the positives.

## Was gibt es für Möglichkeiten zur Regulierung von Facial Recognition?

There is no middle ground.

Outlaw automatic facial recognition in public spaces.

<https://banthescan.amnesty.org/>