

## Face recognition

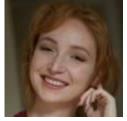
# One-shot learning

#### One-shot learning

Sonia String









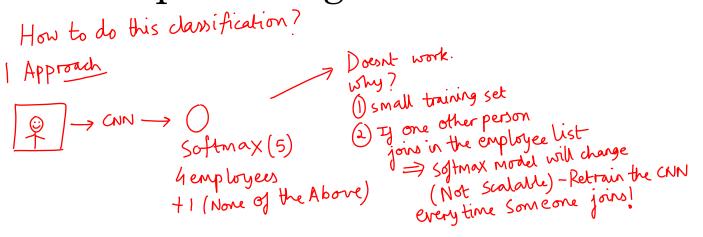


All employees



New person

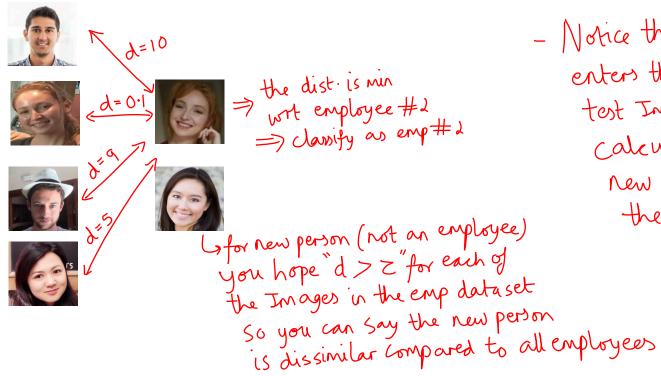
# Learning from one example to recognize the person again



## Learning a "similarity" function

d(img1,img2) = degree of difference between images

If 
$$d(img1,img2) \leq \tau$$
 "same person"  $to the substitute of the sub$ 



- Notice that if tom a new Employee enters the database, then an Incoming test Image only needs 1 operation to calculate the dist b/w itself & the new Employee (Rather than charge the Softmax model function) the Softmax model function). More Scalable

Q How to calculate d? Next Slide!