

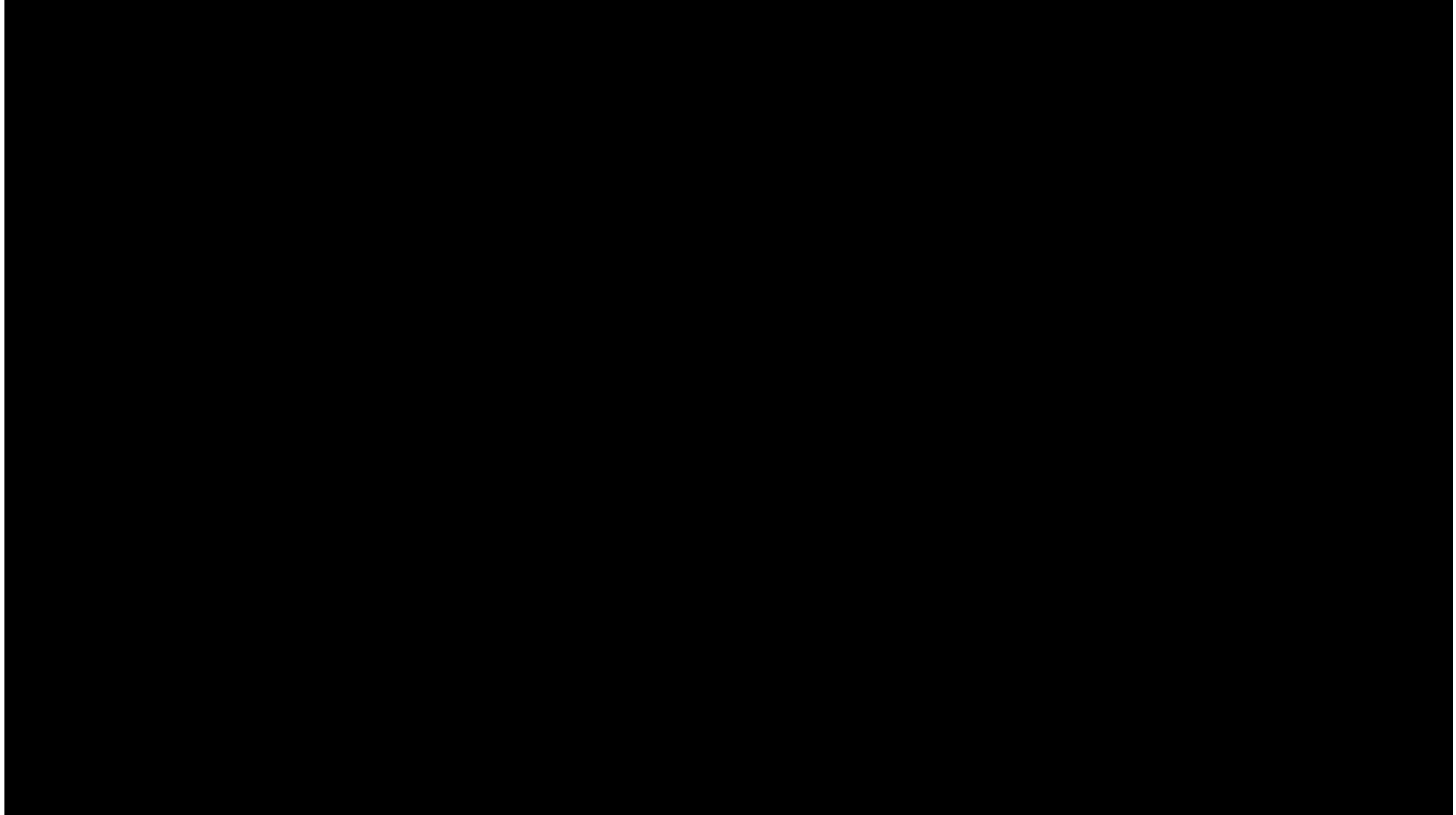


deeplearning.ai

Face recognition

What is face
recognition?

Face recognition



Face verification vs. face recognition

→ Verification

- Input image, name/ID
- Output whether the input image is that of the claimed person

1:1
1 to 1 problem

verification 정확도가 99%라면? 뭐 나쁘지 않을지도 모른다.

99%

99.9

→ Recognition

- Has a database of K persons
- Get an input image
- Output ID if the image is any of the K persons (or “not recognized”)

verification problem 보다 어렵다.

1:K

근데 recognition problem에서 k가 100이라면 틀릴 가능성이 100배가 되는 셈이기 때문에 recognition에 사용하려면 verification 정확도가 99.9%나 그보다 높아야 할것.

K=100 ←