

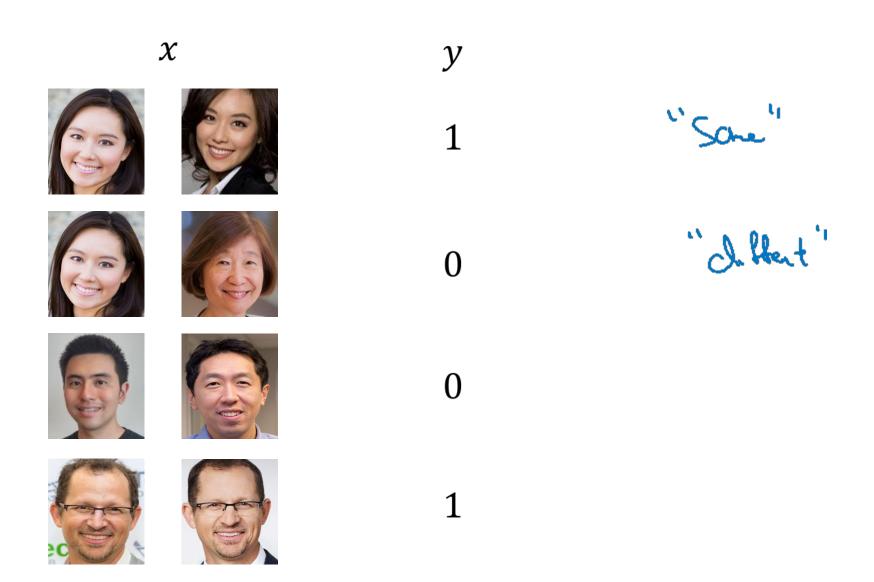
## Face recognition

Face verification and binary classification

Learning the similarity function  $\rightarrow f(x^{(i)})$  $\dot{d} = Q \left( \sum_{i,k} V_i \left[ \frac{1}{f(x_{(i)})^K} - f(x_{(i)})^K \right] + p \right)$ 

[Taigman et. al., 2014. DeepFace closing the gap to human level performance]

## Face verification supervised learning



[Taigman et. al., 2014. DeepFace closing the gap to human level performance]