

# Fisherface trained to recognize gender



Female face samples



Male face samples



Mean image

$$\vec{\mu}$$



Female mean

$$\vec{\mu}_1$$



Male mean

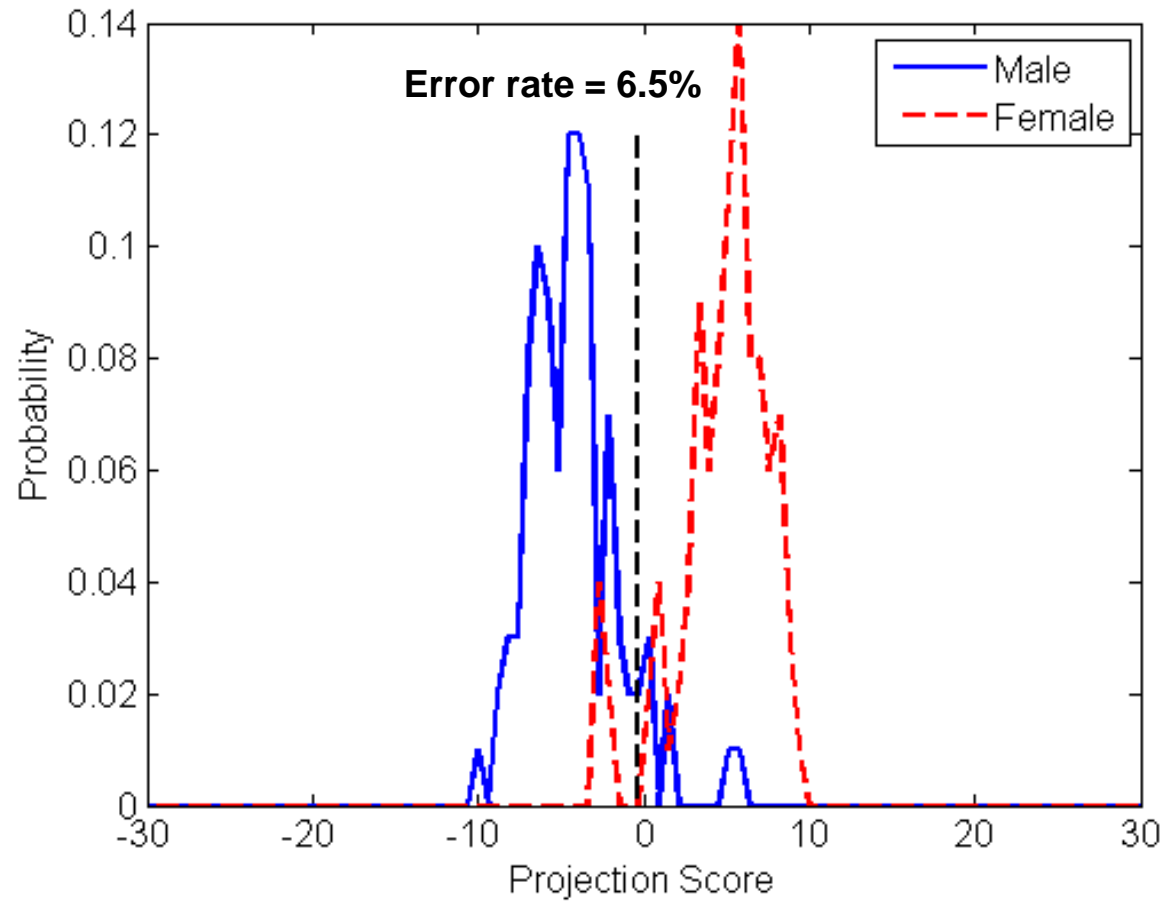
$$\vec{\mu}_2$$



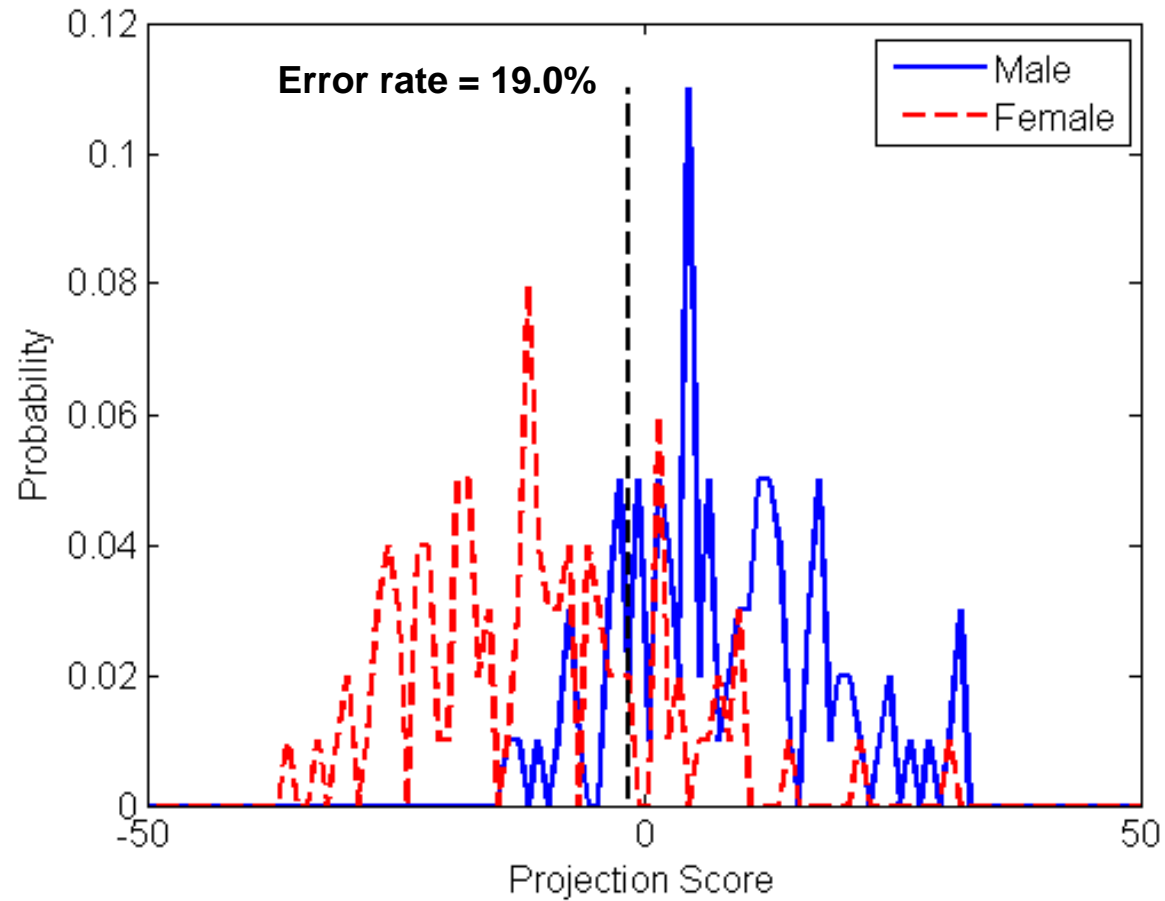
Fisherface



# Gender recognition using 1<sup>st</sup> Fisherface



# Gender recognition using 1<sup>st</sup> eigenface



# Person identification with Fisherfaces and eigenfaces

