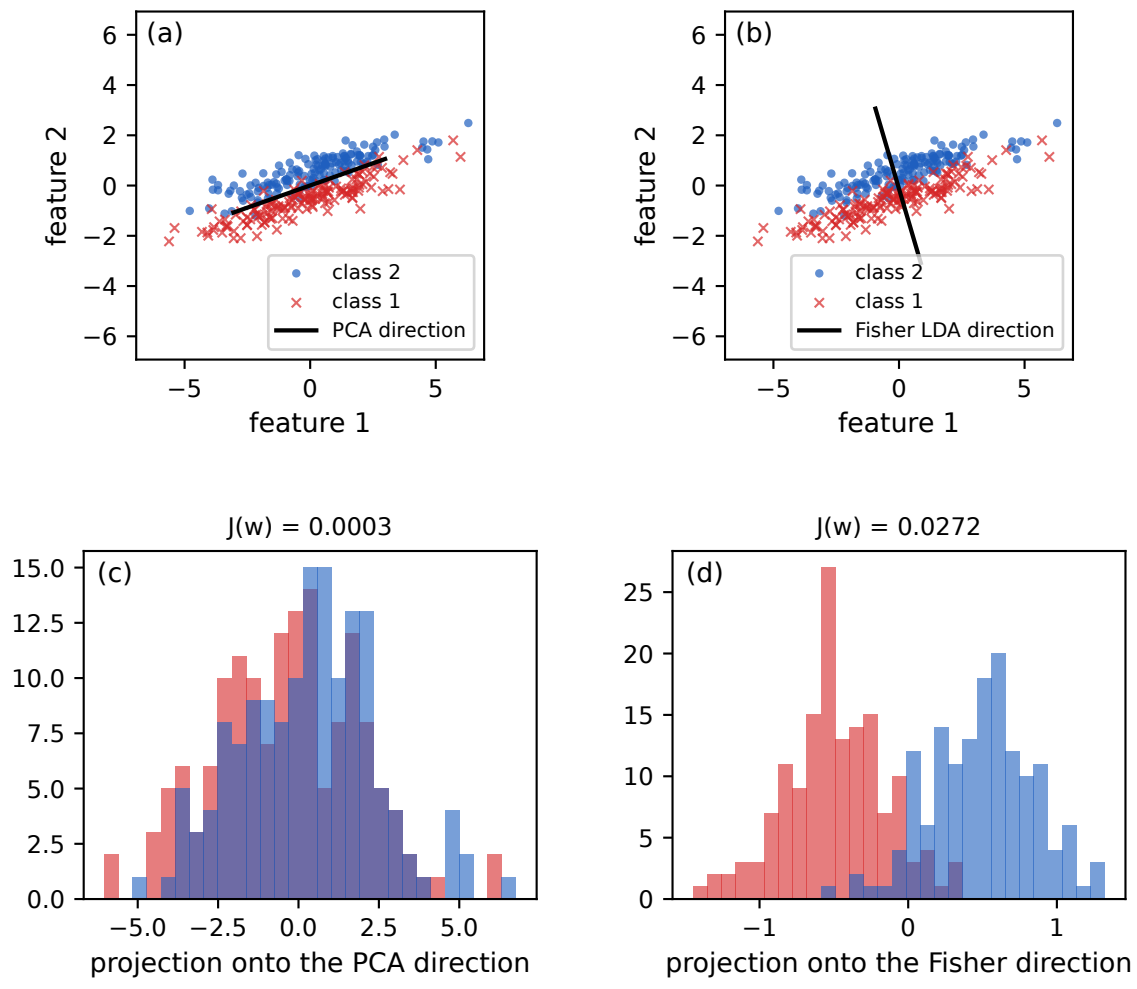

(a)
feature 2
feature 1
class 2
class 1
PCA direction
(b)
feature 2
feature 1
class 2
class 1
Fisher LDA direction
J(w) = 0.0003
(c)
projection onto the PCA direction
J(w) = 0.0272
(d)
projection onto the Fisher direction