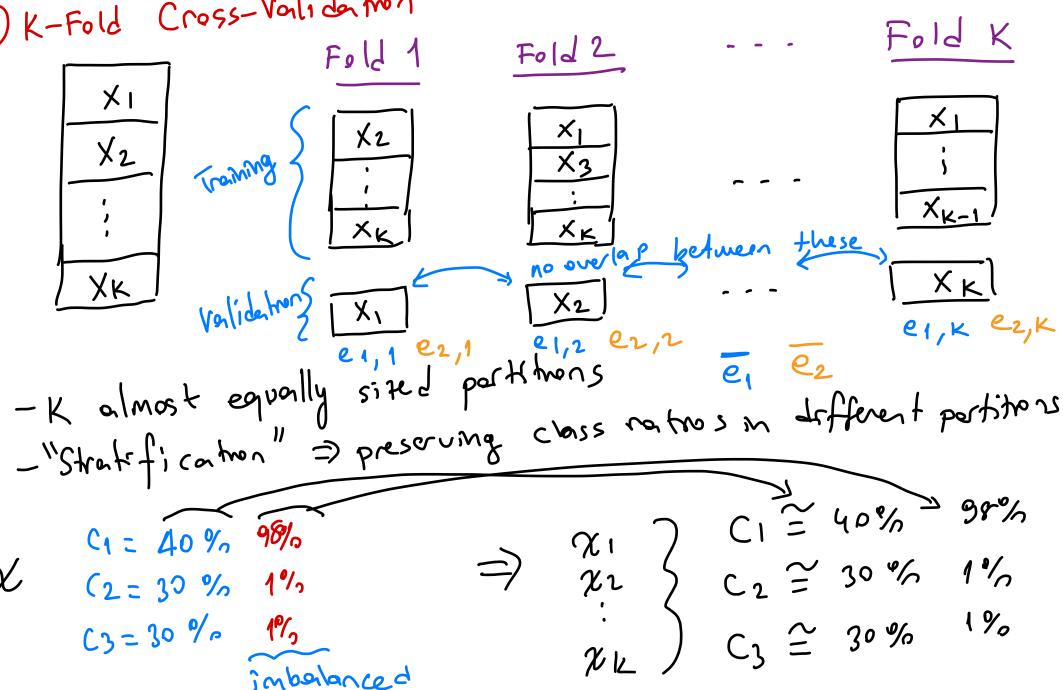
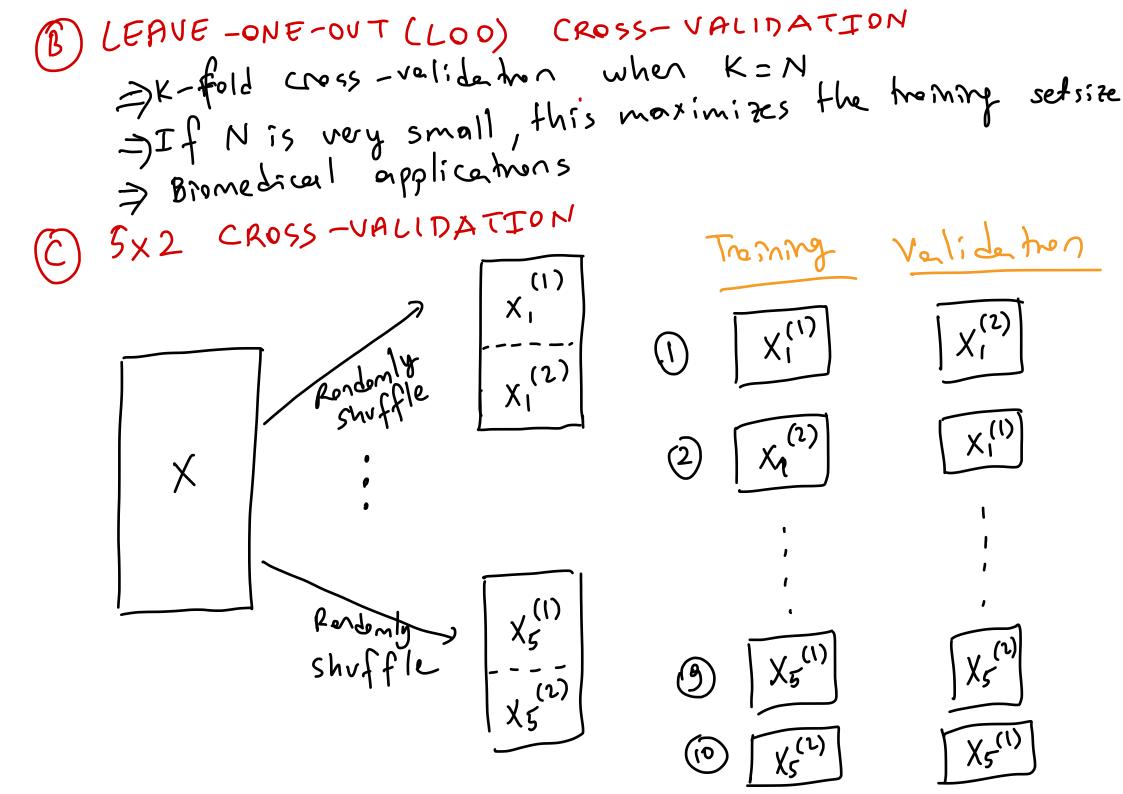
CROSS-VALIDATION METHODS

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nt9+tn CLASSIFIER PERFORMANCE MEASURING np.sum (np.dag(c)) #of correct predictions Accordey = 17.5vm (C) # of predictions 1-[4] #ofinamect predictions Misclassification #of predictions XiER $\chi_{\text{frem}} = S(\chi_i, y_i) \frac{3}{i-1}$ yt 6 20,13 yi 6 2+,-3 Rtest = 2 xi3 Ntest xish + yi =) un known to store positive P > # of positives tn=true negative fp=false positive n > H of regatives + | tp | fn fn = false negative 1) # of regative predictions # of positive fp tn

RECEIVER OPERATING CHARACTERISTICS (ROC) CURVE 0.7 0.5 0.9 0.3 0.2 0.1 0.8 P(+(x) 0.4 0.6 x1 x2 x3 x4 x5 x6 x2 x8 x9 Step#1 Sort these probabilities/scores in moreising order. 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9

