ecture 3 Token no: CNy2Tg garare leitini Atri betrata water and to the leaving problem setup, then moving ahead to give a short recop on hoefdings Inequality We studied how the bin model is related to target Jun (Unknown) Income x We try to find the Ein (h) which is of data points misclassified at
We calculate Ein with Journala. $V = Ein = \int_{N}^{\infty} \sum_{n=1}^{\infty} \left[h(x_n) \neq f(x_n) \right]$ This will return o or I if condition is satisfied or noti.e if the data are classified correctly or not. New Hoefdings Eq Decomes; P[|Ein-Fout|>E] \le 2e^-2E^2N This condition is your a misclassification

Our goal is to get as low as possible for Fout. using on our input sample Fin. We then saw an example of selection Bias Illustrated with Coin tossing. Then we tried to glind the Koeffdings bound for a firite set of Hypothesis H. theres Workland no gover track a min of East 9) < Eist 9) + 1 1 log 2 1311 as small as possible to get high confidence. We try to find the Eight which is greation a heificalisin string stab to We extendite Ein with yourneld. 1 = En = 1 E [h (n) + f (n)]