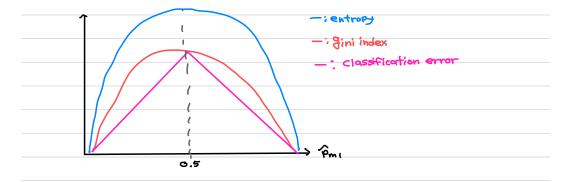
Lee Jae Yeol 20308109 Assignment 3

Ch.8 Q.3 gini index:  $G = \sum_{k=1}^{K} \widehat{p}_{k} (1-\widehat{p}_{k})$ 

classification error : E = 1 - max Px

Cross-Entropy : 
$$D = -\frac{k}{k} \hat{\rho}_k \log(\hat{\rho}_k)$$



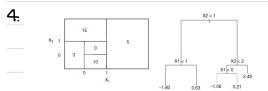


FIGURE 8.12. Left: A partition of the predictor space corresponding to Exercise 4a. Right: A tree corresponding to Exercise 4b.

