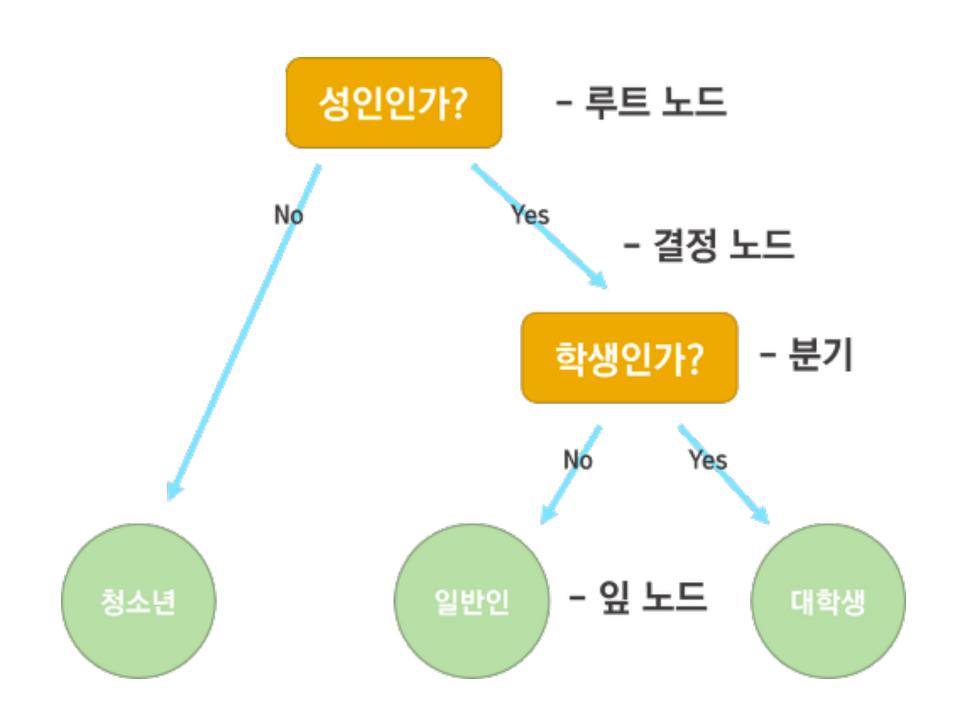
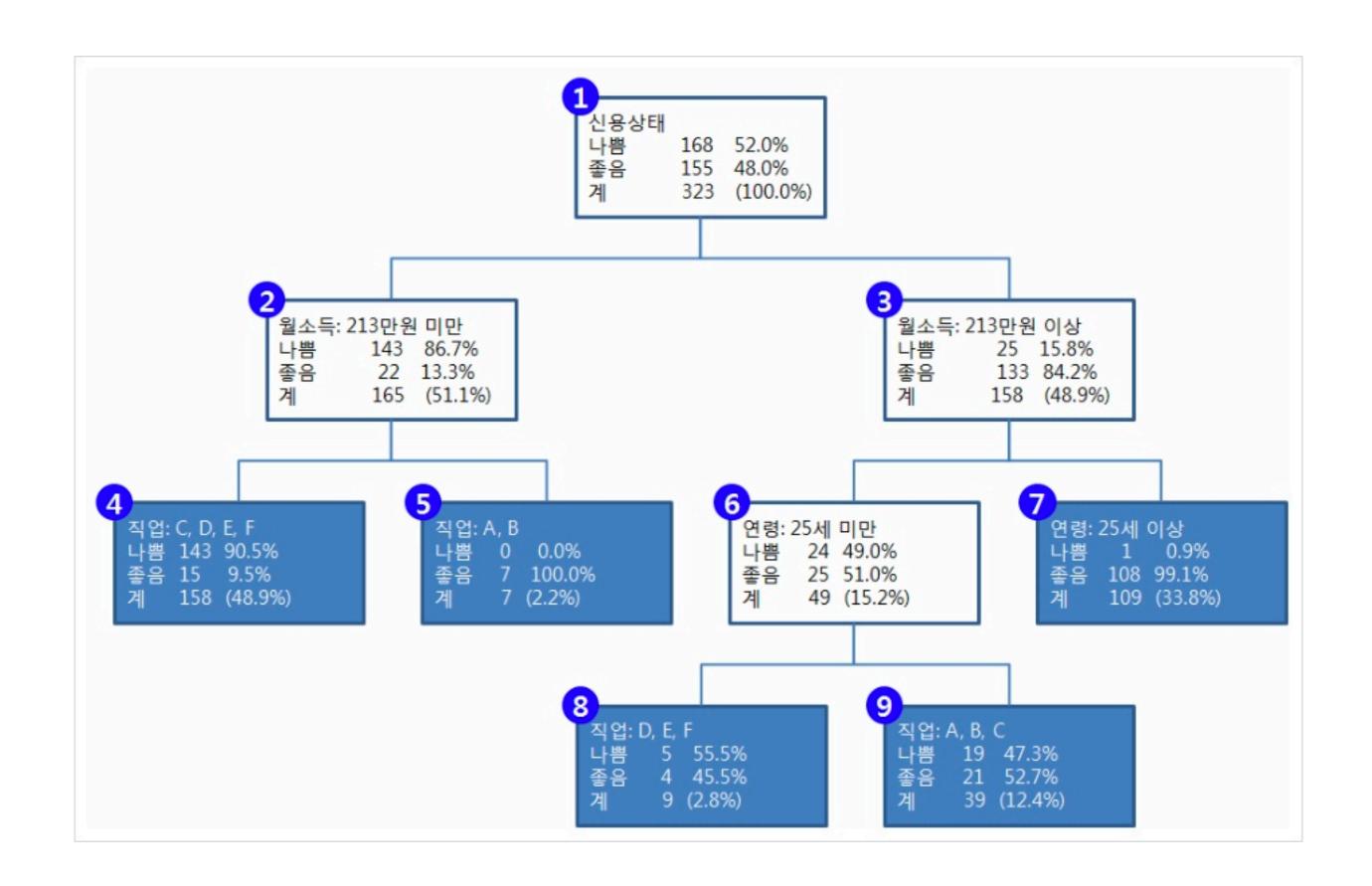
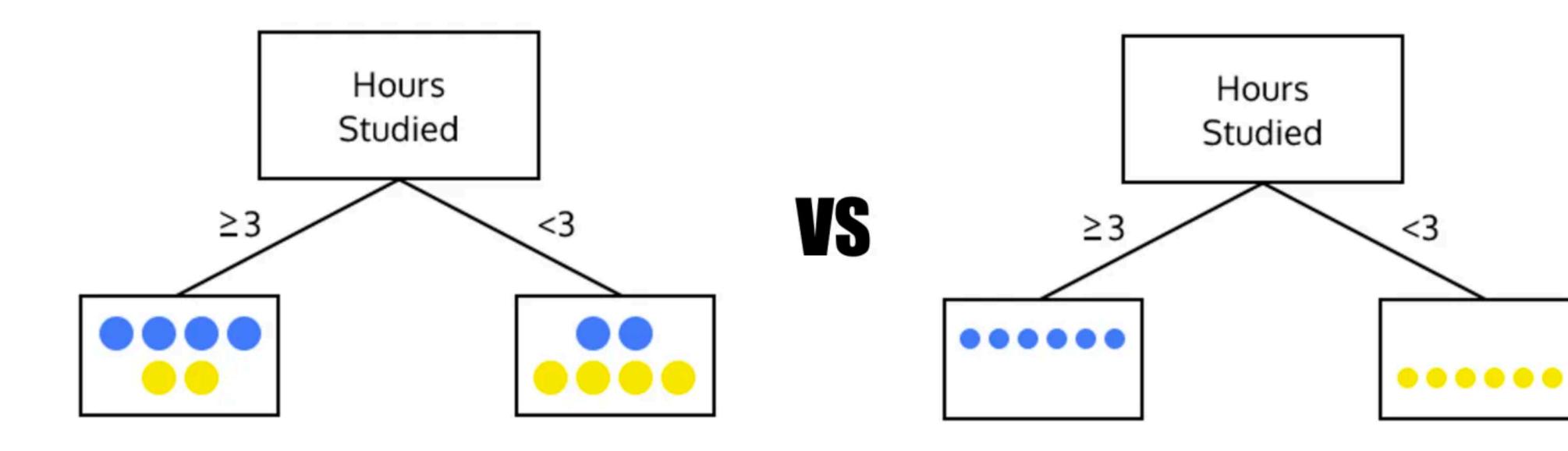
의사결정나무(Decision Tree)





지니 불순도 (Gini Impurity)

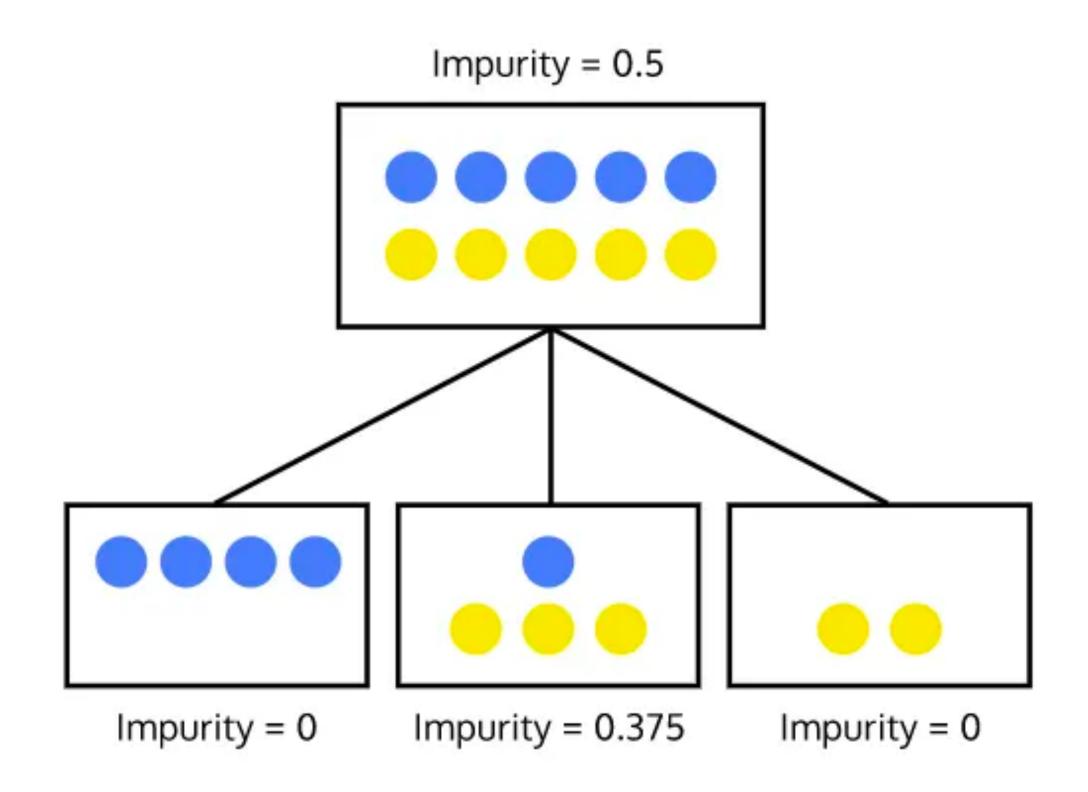


$$1-\sum_{j=1}^J (p_j(1-p_j))$$

Ex) 총 4개 데이터 세트에서 레이블 A가 3개, B가 1개 포함

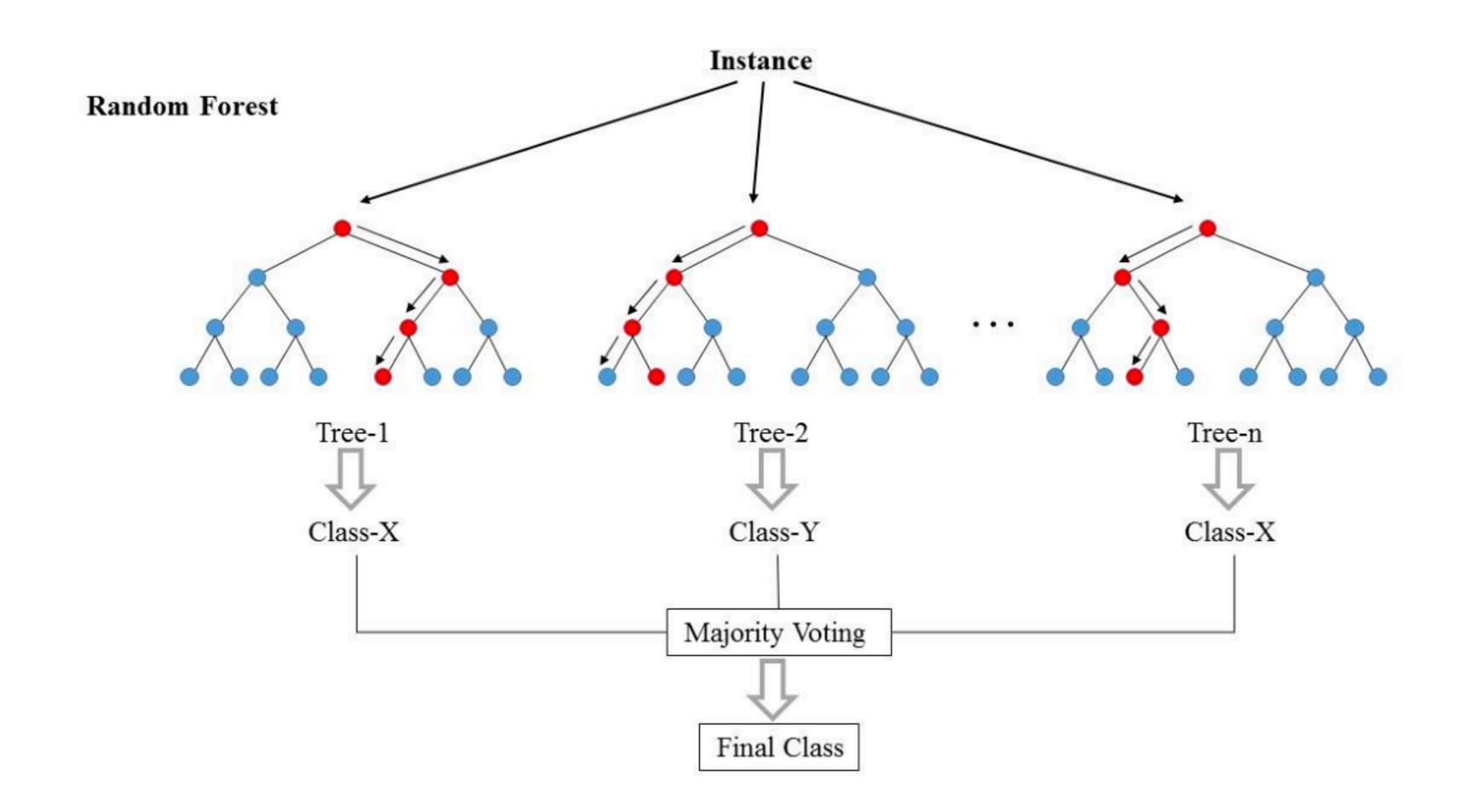
$$1 - \left(\frac{3}{4}\right)^2 - \left(\frac{1}{4}\right)^2 = 0.375$$

정보 획득량(Information Gain)



Information Gain = 0.5 - (0 + 0.375 + 0) = 0.125

랜덤 포레스트(Random Forest)



랜덤 포레스트(Random Forest)

