

# Decision Trees Intuition

CART

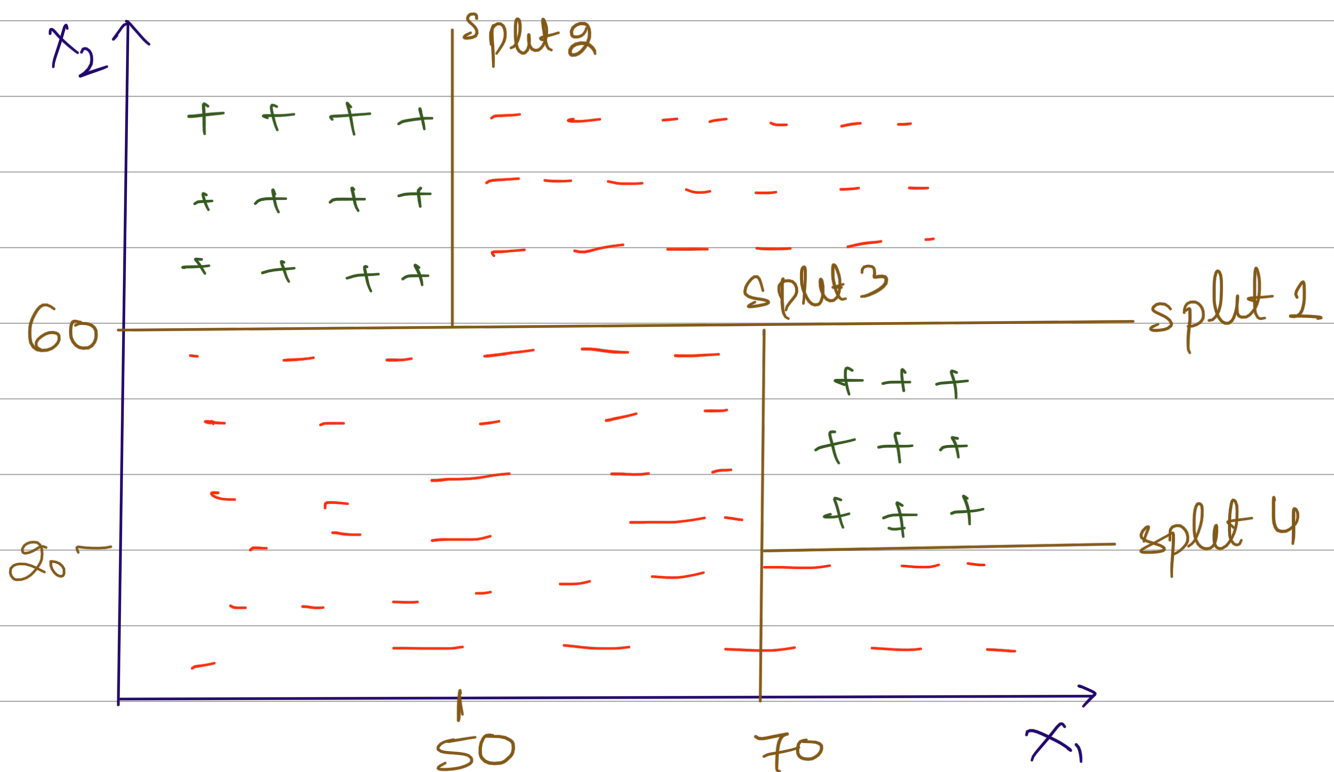


Classification and Regression Trees

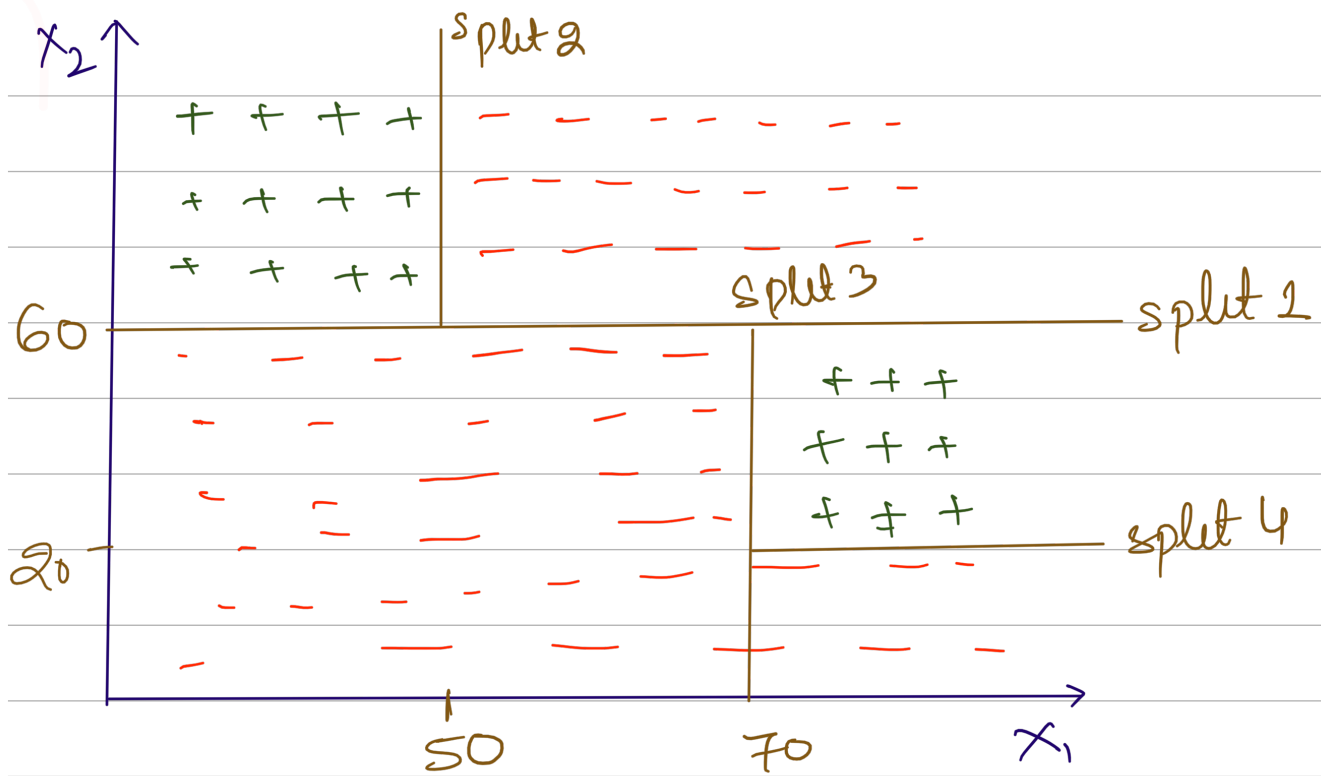
CART

✓ Classification Trees  
(male, female)

Regression Trees  
(salary, temperature)



Algorithm: cut it up in slices in several iterations.



How does algorithm know where to select the split?

The split is done in such a way to maximize the number of a certain category

split is trying to minimize entropy.

↓  
Randomness

