

Dataset

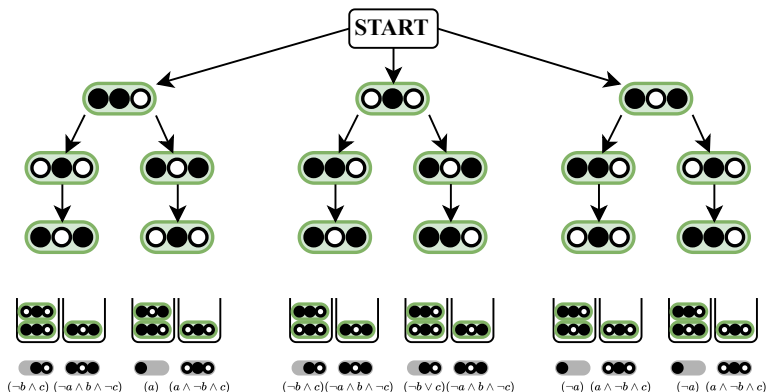


Target rule

$$a \implies c \quad (\neg a \vee c)$$

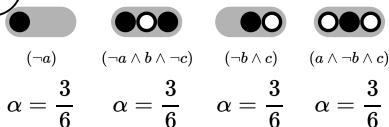
run on many dataset permutations

1



2

Bayes Point



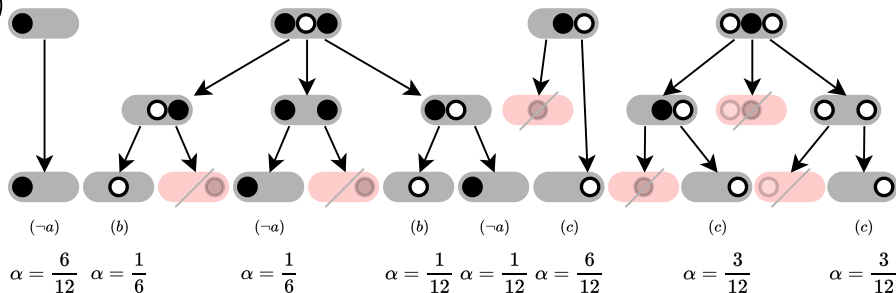
is not covered by any rule.

$$H_{bp}(x) = \sum_{r \in G} \alpha_r [\mathbf{r} \succeq \mathbf{x}] = 4 \cdot \frac{3}{6} \cdot 0 = 0 \neq \frac{1}{2}$$

it is classified as negative.

generalization procedure

3



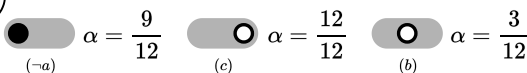
Bayes Point (gen.)

 is covered by $(\neg a)$

$$H_{bp}(x) = \frac{9}{12} > \frac{1}{2}$$

it is classified as positive.

4



select top K rules

5

 is covered by (b)

$$H_{bp}(x) = \frac{3}{12} \neq \frac{1}{2}$$

it is classified as negative.

