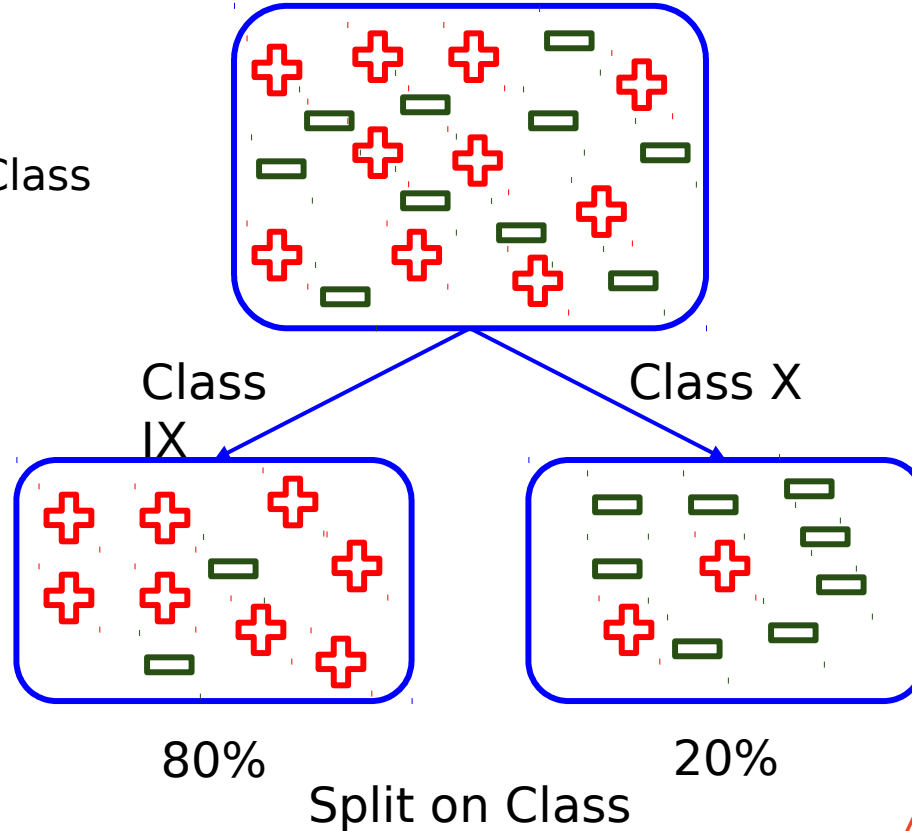


Introduction to Decision Tree

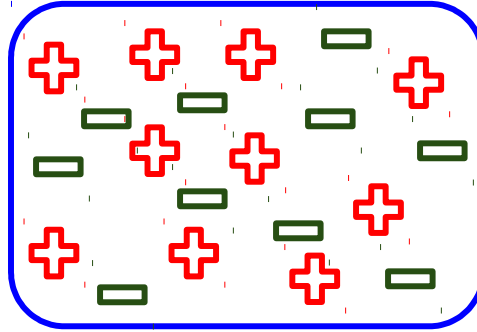
What is a Decision Tree?

- Height
- Performance in Class
- Class



What is a Decision Tree?

- Height
- Performance in Class
- Class
- Played cricket last year?



Students = 20

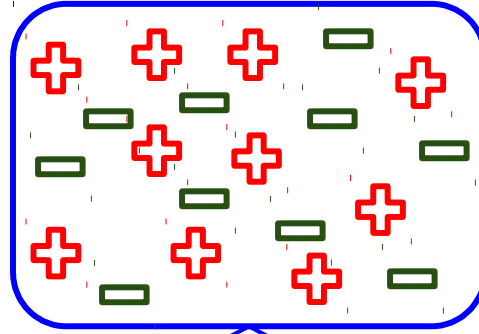
Play Cricket =

10

Percentage =
50%

What is a Decision Tree?

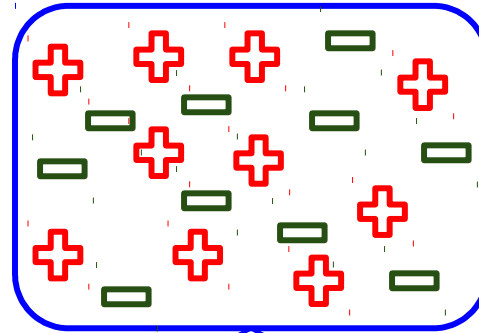
- Split on Height
- Split on Performance in Class
- Split on Class
- Split on Played Cricket last year?



Students = 20
Play Cricket =
10
Percentage =
50%

What is a Decision Tree?

- Split on Height
- Split on Performance in Class
- Split on Class
- Split on Played Cricket last year?



No

Yes

Students = 20

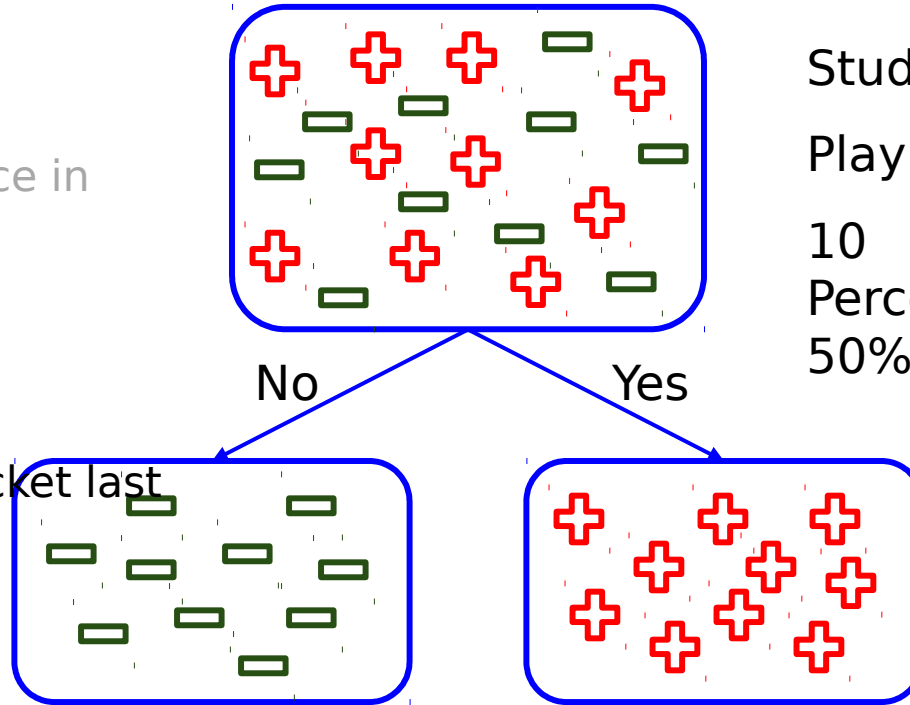
Play Cricket =

10

Percentage =
50%

What is a Decision Tree?

- Split on Height
- Split on Performance in Class
- Split on Class
- Split on Played Cricket last year?



Students = 20

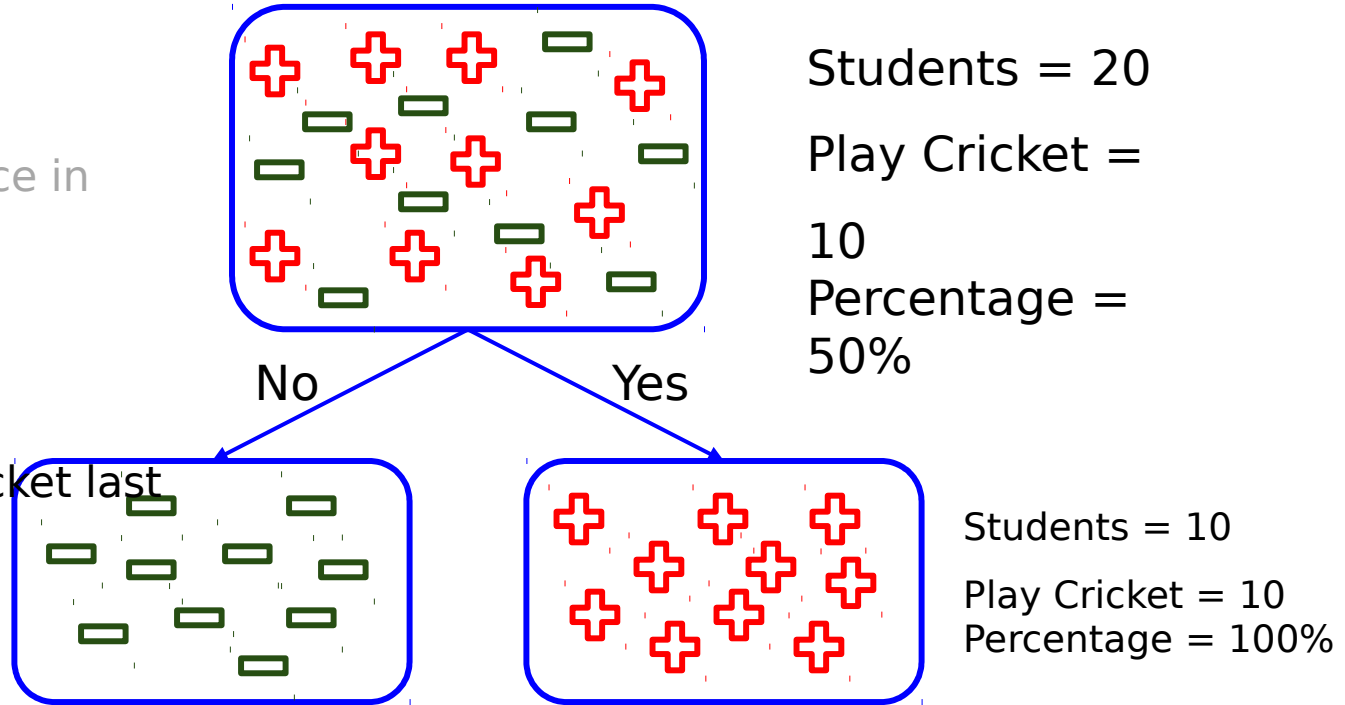
Play Cricket =

10

Percentage =
50%

What is a Decision Tree?

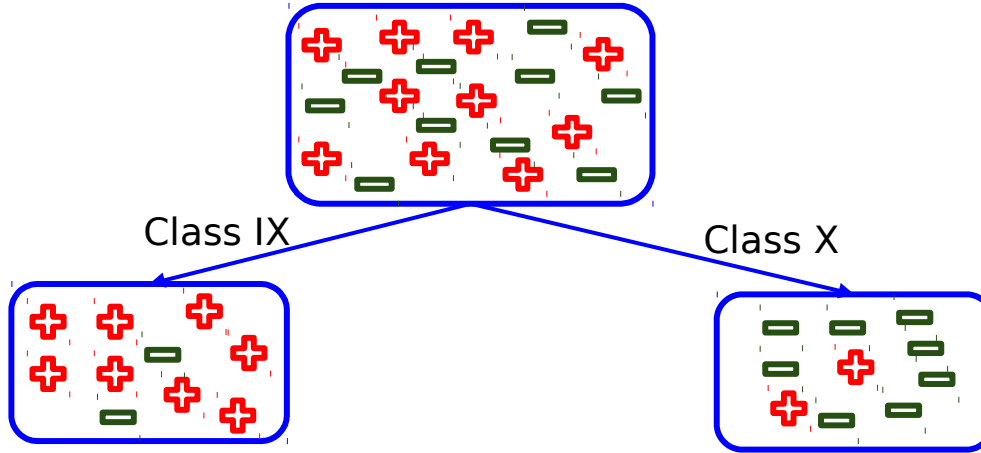
- Split on Height
- Split on Performance in Class
- Split on Class
- Split on Played Cricket last year?
 - Students = 10
 - Play Cricket = 0
 - Percentage = 0%



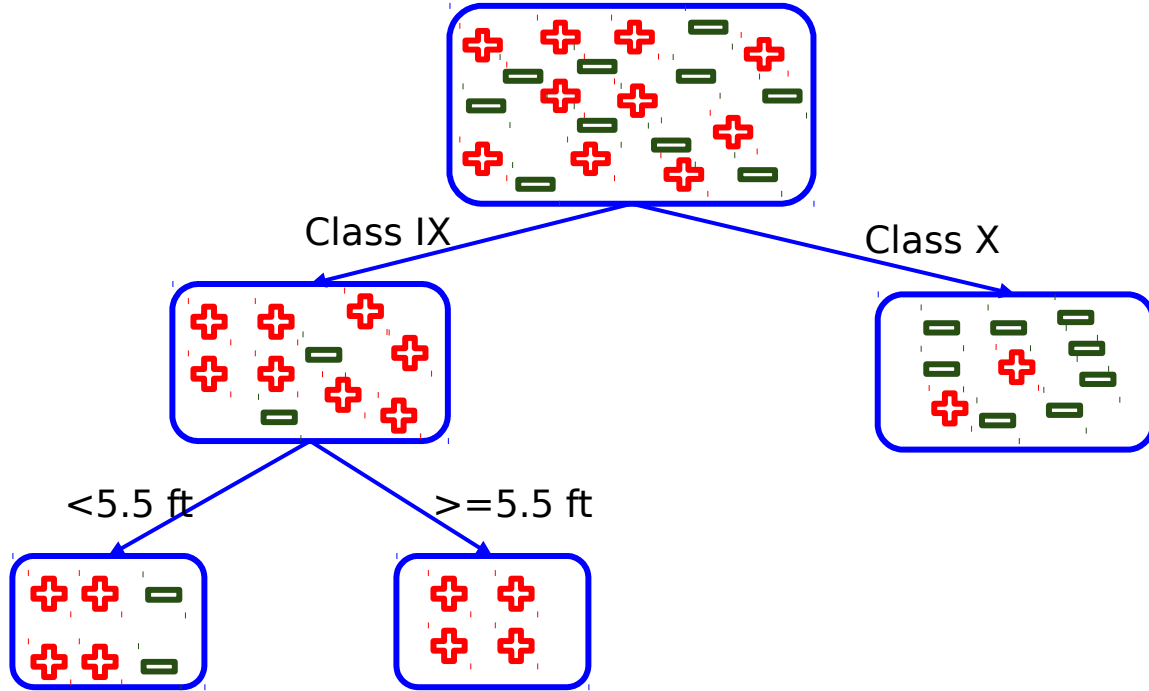
What is a Decision Tree?

Objective of Decision Tree is to have pure nodes

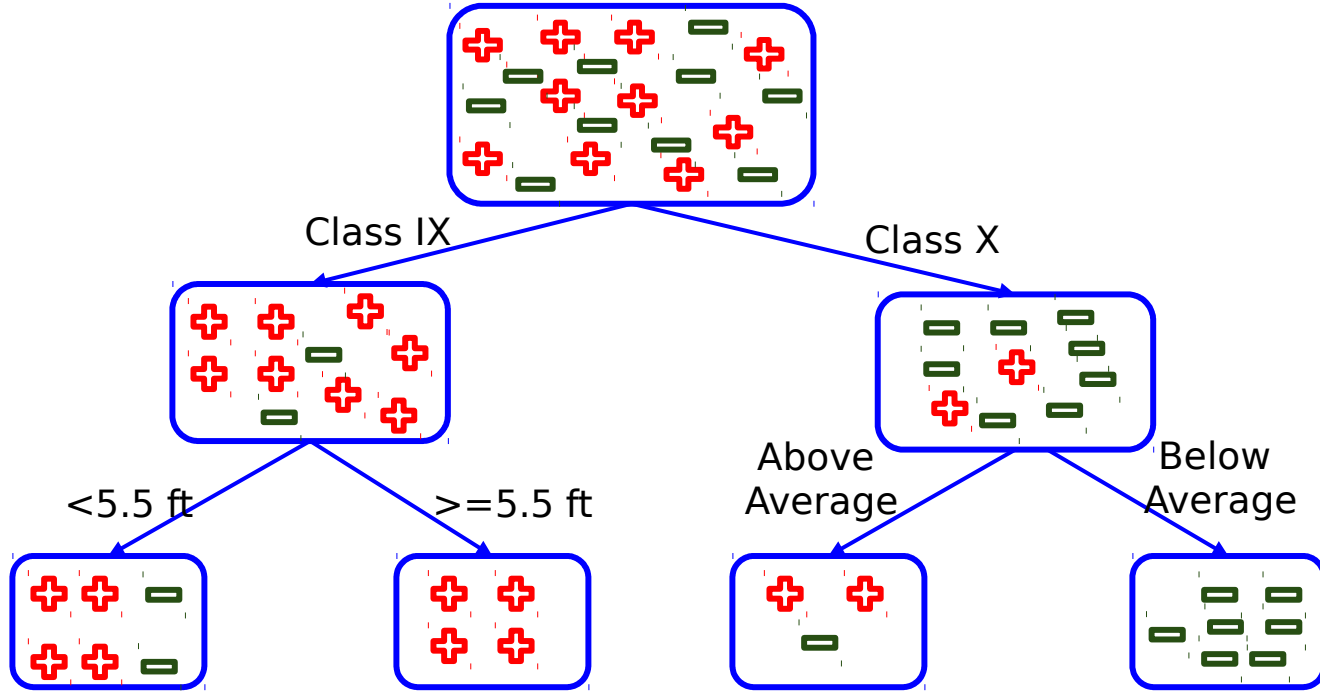
What is a Decision Tree?



What is a Decision Tree?



What is a Decision Tree?



Thank
You!