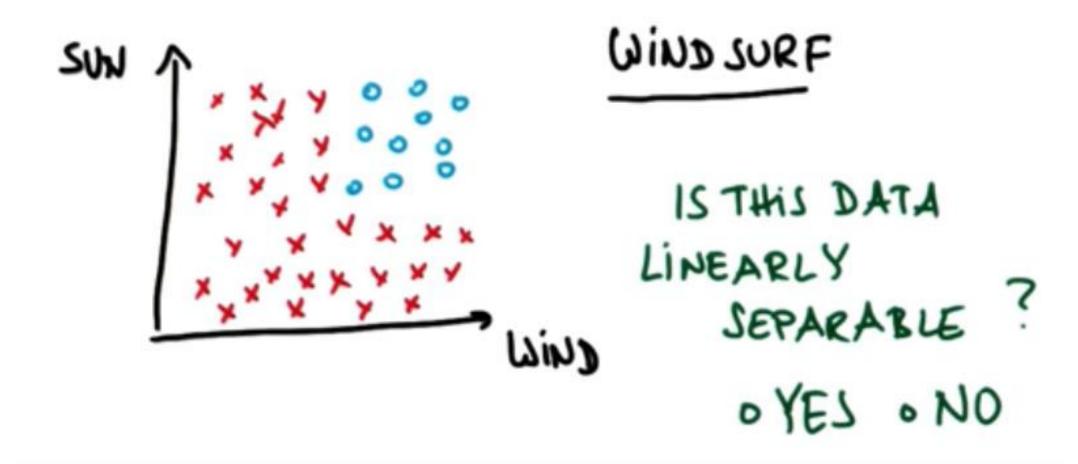
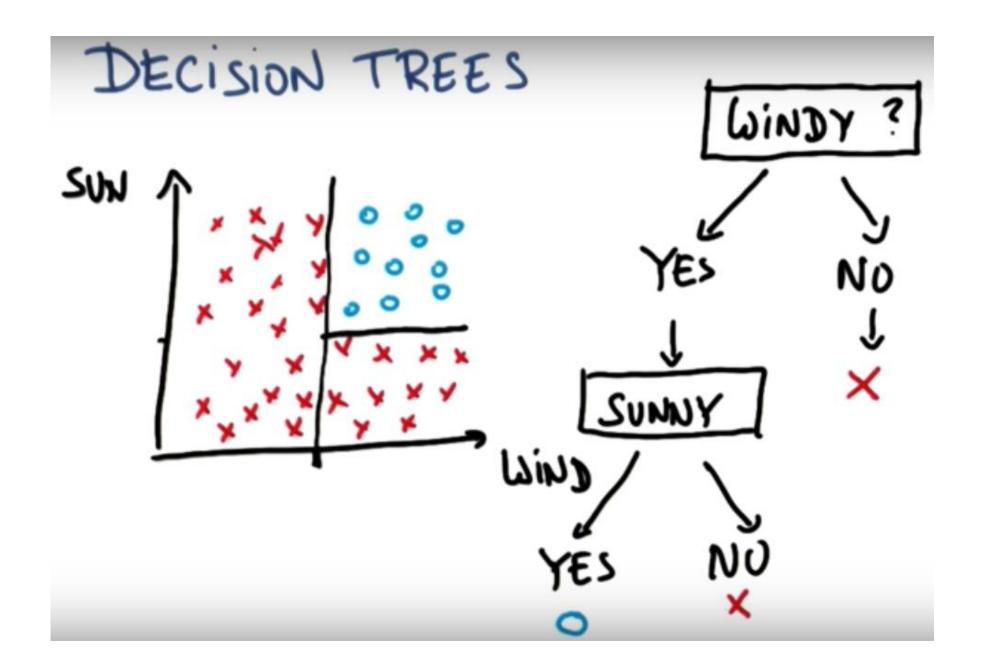
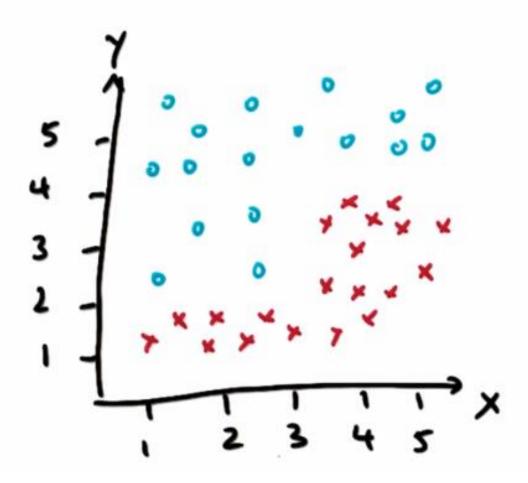
# DECISION TREES





# DECISION TREE



- **。** 1
- **2**
- 0 3
- o 4
- 。 S

# DECISION TREE



# Entropy Controls how a DT decides where to split the data

definition: measure of impurity in a bunch of examples

- intution -

all examples are same class

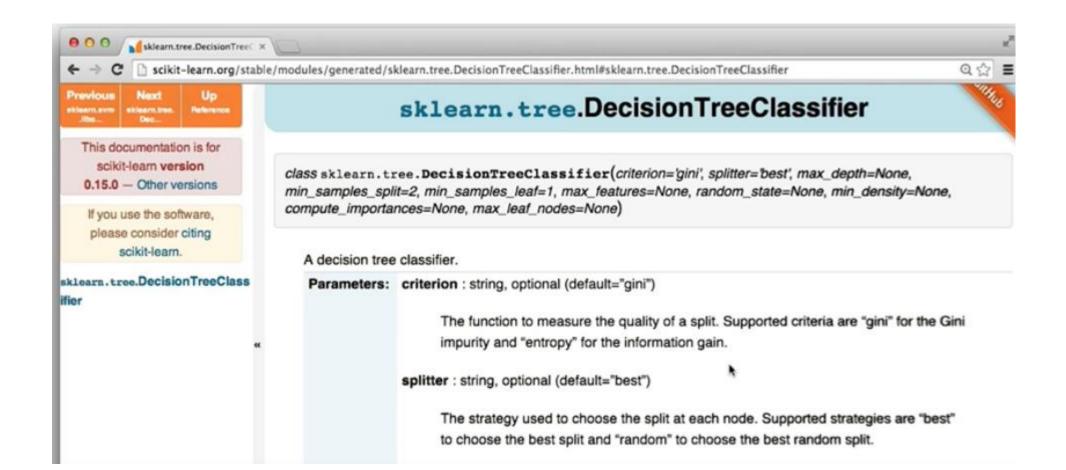
- entropy = 0

examples are evenly split between classes

- entropy = 1.0

# Information Gain

decision tree : maximize information gain



## **FORTALEZAS**

\* Facil de manipular y entender

## **DEBILIDADES**

\* Propensión a overfitting (profundidad del árbol)