Introduction Decision trees Basics

Precondition
Before start check out:
>You have read and understood
>> - Logistic and Linear Regression
>> - Classification
>
>If not look it up later.

The mission
In this lesson we will:
>Introduce the concepts of decision trees
>Discuss probability and cost function
>See a real example
>Introduce Softmax Regression

Outcome
After this lesson you have learned about:
>Decision trees elements concepts
>Gini impurity (vs. entropy)
>CART Cost function
>Instability and sensitivity
>Iris example in SciKit

Next step
Its time for some assignments:
>Discuss and answer theoretical questions in the assignment *"Decision trees Questions"*
>Solve the *"Iris exercise"*