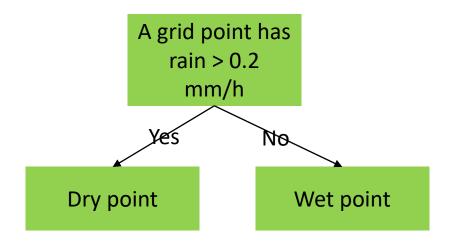
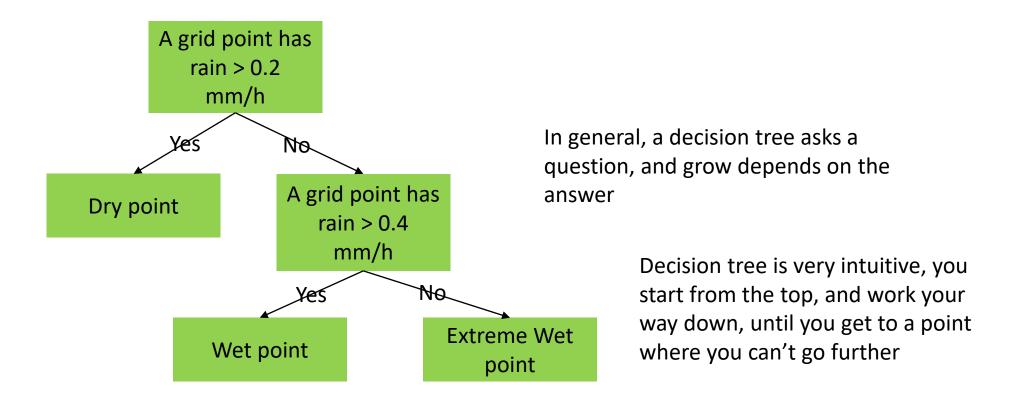
Decision Tree

Regression vs classification

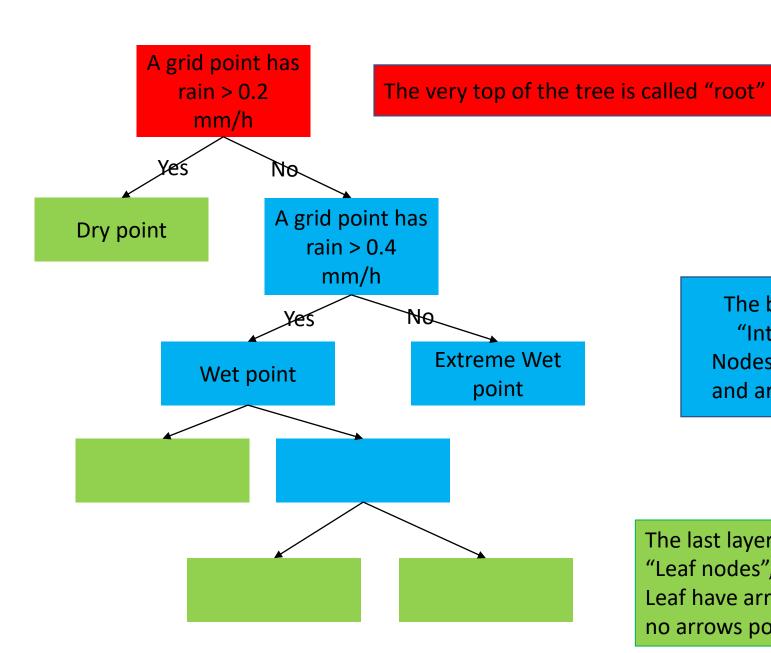


In general, a decision tree asks a question, and grow depends on the answer

Here is a simple decision tree



Here is a simple decision tree



The branch of the tree, is called "Internal Nodes", or "Nodes"
Nodes have arrows point to them, and arrows point away from them

The last layer of the tree, is called "Leaf nodes", or just leaf.
Leaf have arrows point to them, but no arrows point away from them

Regression tree vs classification tree

Low pressu re	High Tempe rature	High humidi ty	Wind Speed	Rain
No	No	No	10.0	No
Yes	Yes	Yes	30.0	Yes
Yes	Yes	No	20.0	No
Yes	No	Yes	50.0	No
No	No	Yes	70.0	Yes

classification tree



Discrete data

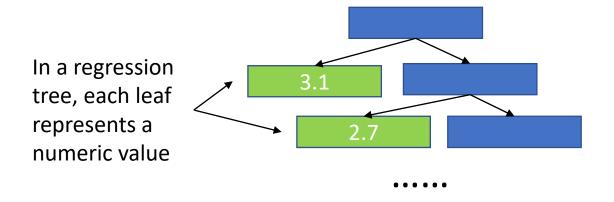
Low pressu re	High Tempe rature	High humidi ty	Wind Speed	Rain amoun t
No	No	No	10.0	0.1
Yes	Yes	Yes	30.0	0.3
Yes	Yes	No	20.0	1.0
Yes	No	Yes	50.0	2.1
No	No	Yes	70.0	0.7



Continuous data

Regression tree vs classification tree

Regression tree is a type of decision tree



Regression tree vs classification tree

Regression tree is a type of decision tree

