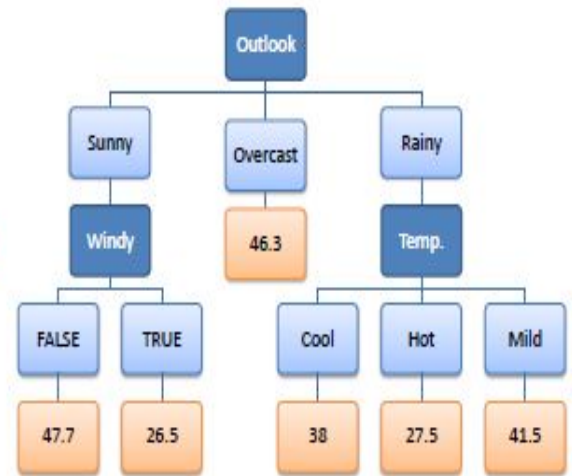
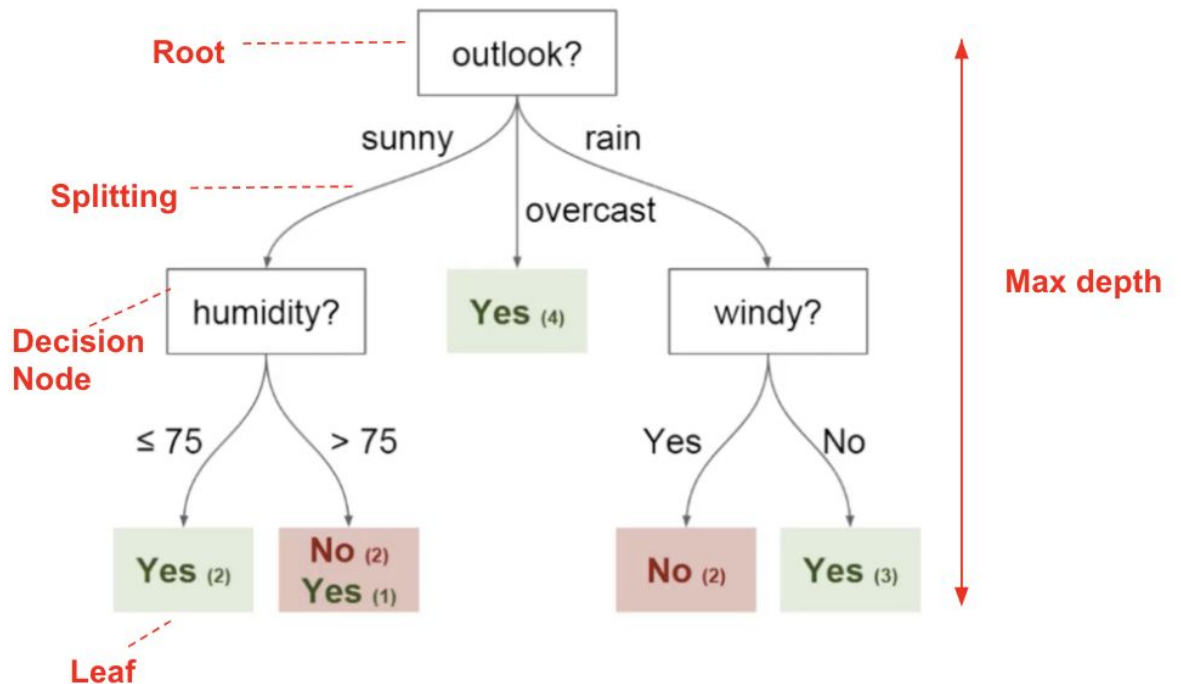
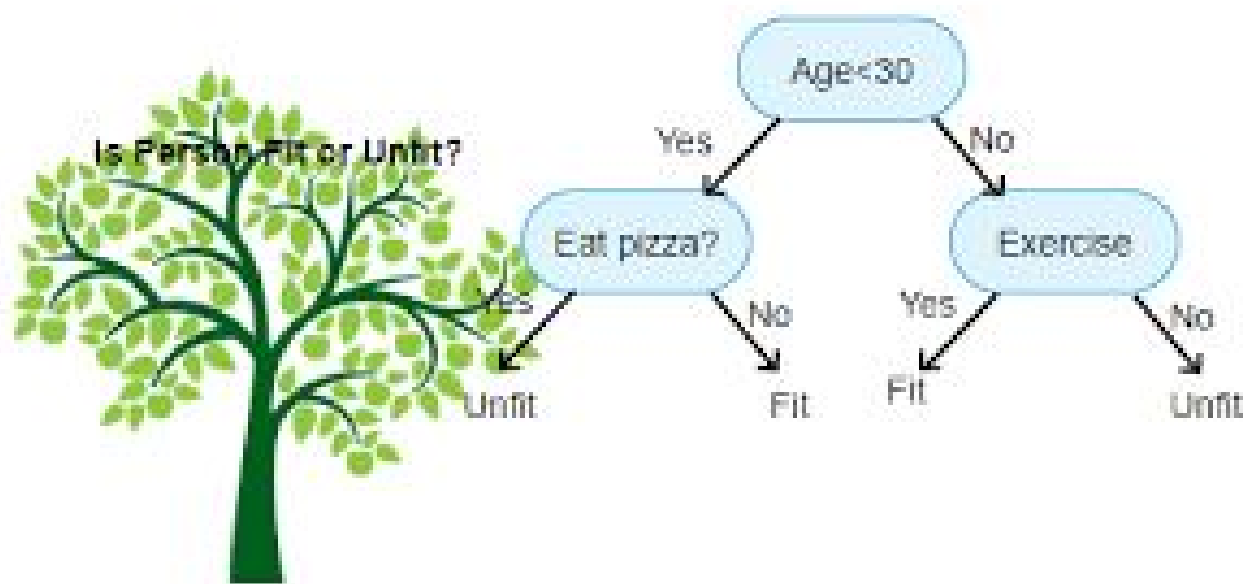


Predictors				Target
Outlook	Temp.	Humidity	Windy	Hours Played
Rainy	Hot	High	False	26
Rainy	Hot	High	True	30
Overcast	Hot	High	False	48
Sunny	Mild	High	False	46
Sunny	Cool	Normal	False	62
Sunny	Cool	Normal	True	23
Overcast	Cool	Normal	True	43
Rainy	Mild	High	False	36
Rainy	Cool	Normal	False	38
Sunny	Mild	Normal	False	48
Rainy	Mild	Normal	True	48
Overcast	Mild	High	True	62
Overcast	Hot	Normal	False	44
Sunny	Mild	High	True	30



Decision Tree Diagram





Note:

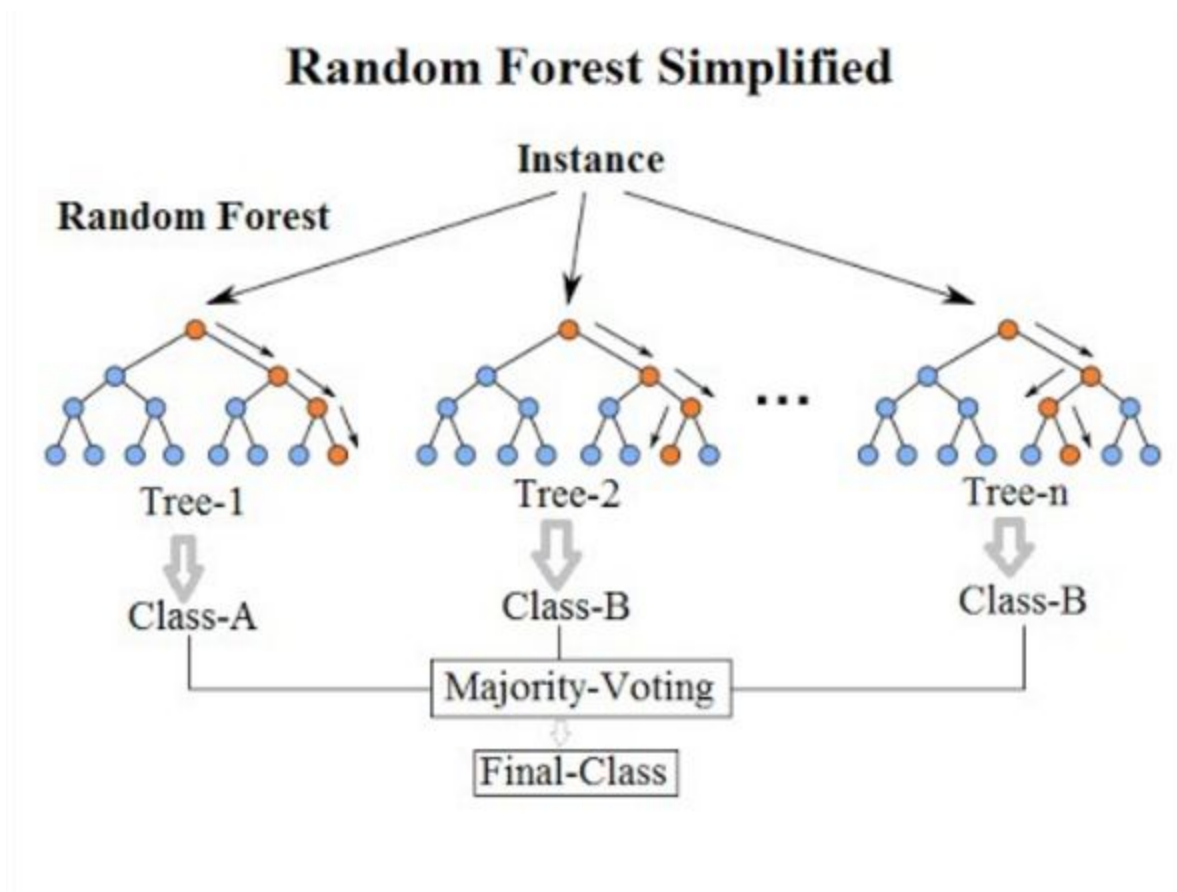
Decision Tree ; both problems; Classification & Regression

DT:

Algorithms:

> **Decision Tree Classifier**

> Decision Tree Regressor



ENSEMBLE MODEL -- group

- A group is better than one

> Gradient Boosting

Also ensemble model like
random forest, but more powerful

...

Next:

> Gradient Boosting

→ Decision Trees

> features engineering

> Deep Neural Network

Or deep learning

