## gradatalalaa

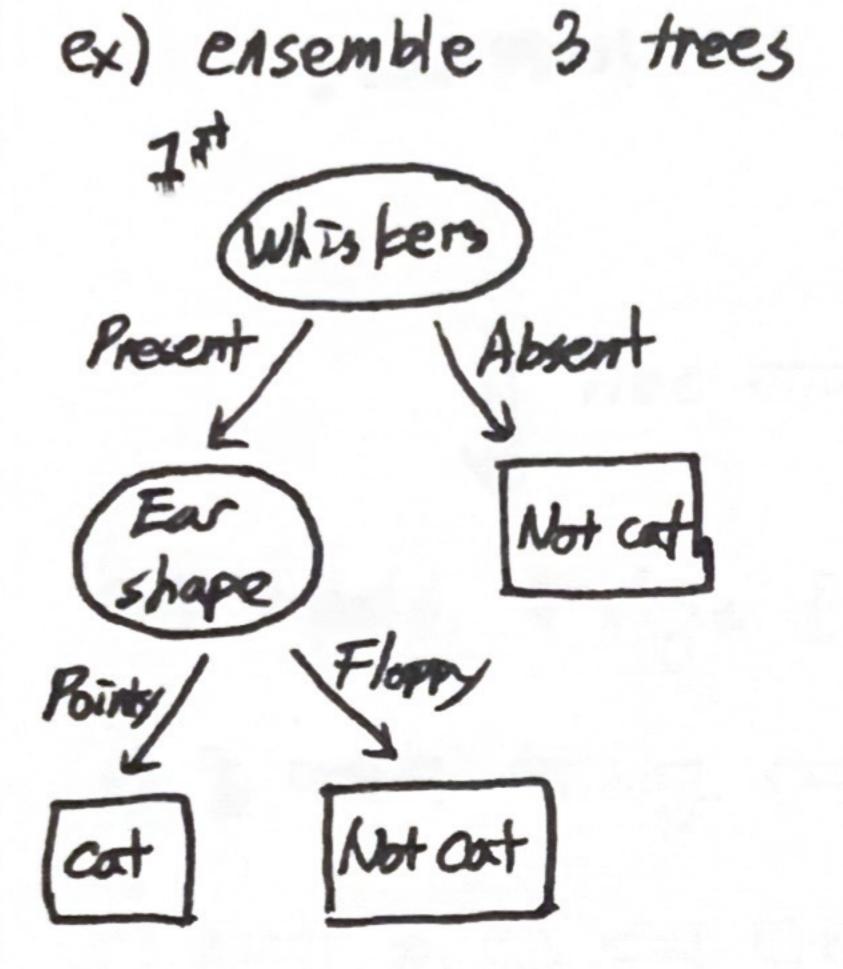
< Tree ensembles - Using multiple decision trees)

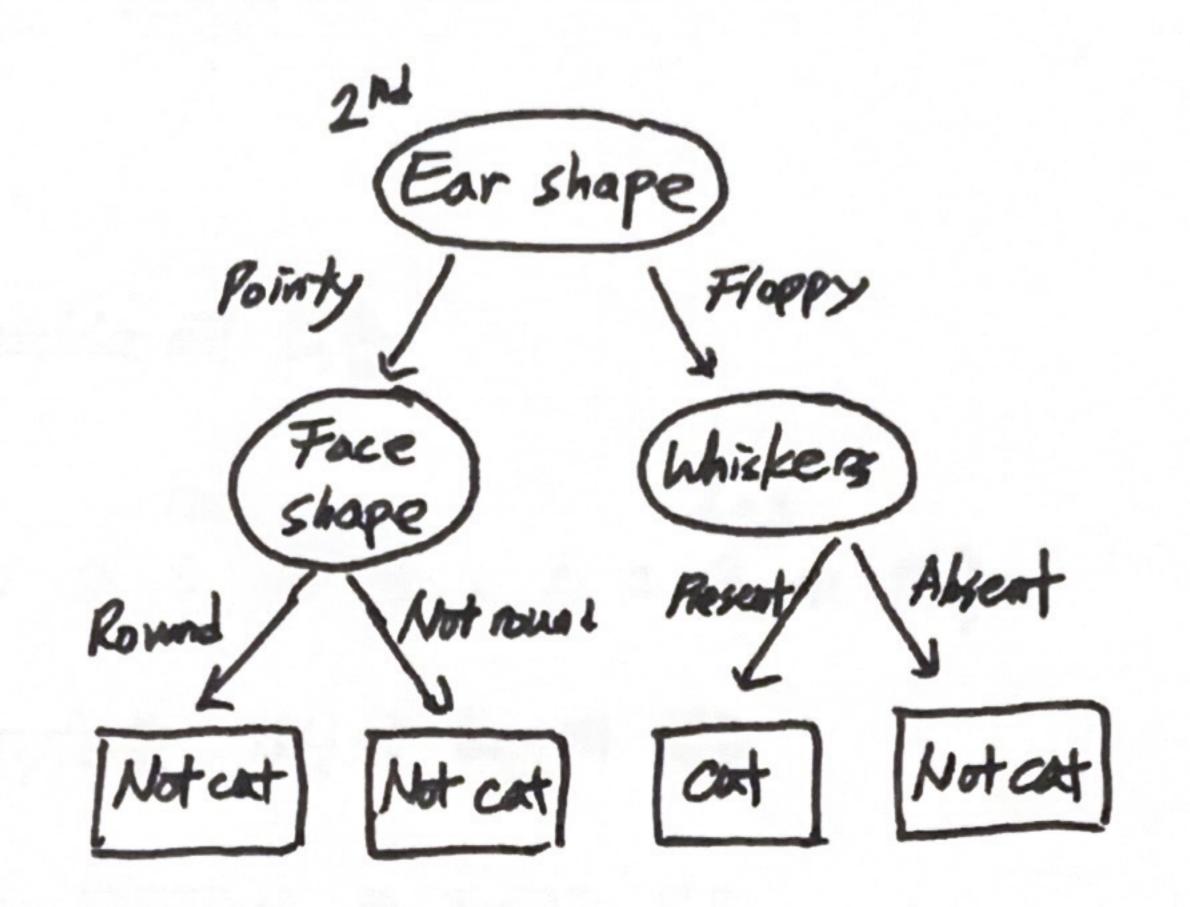
- One of the weatnesses of using a single decision tree

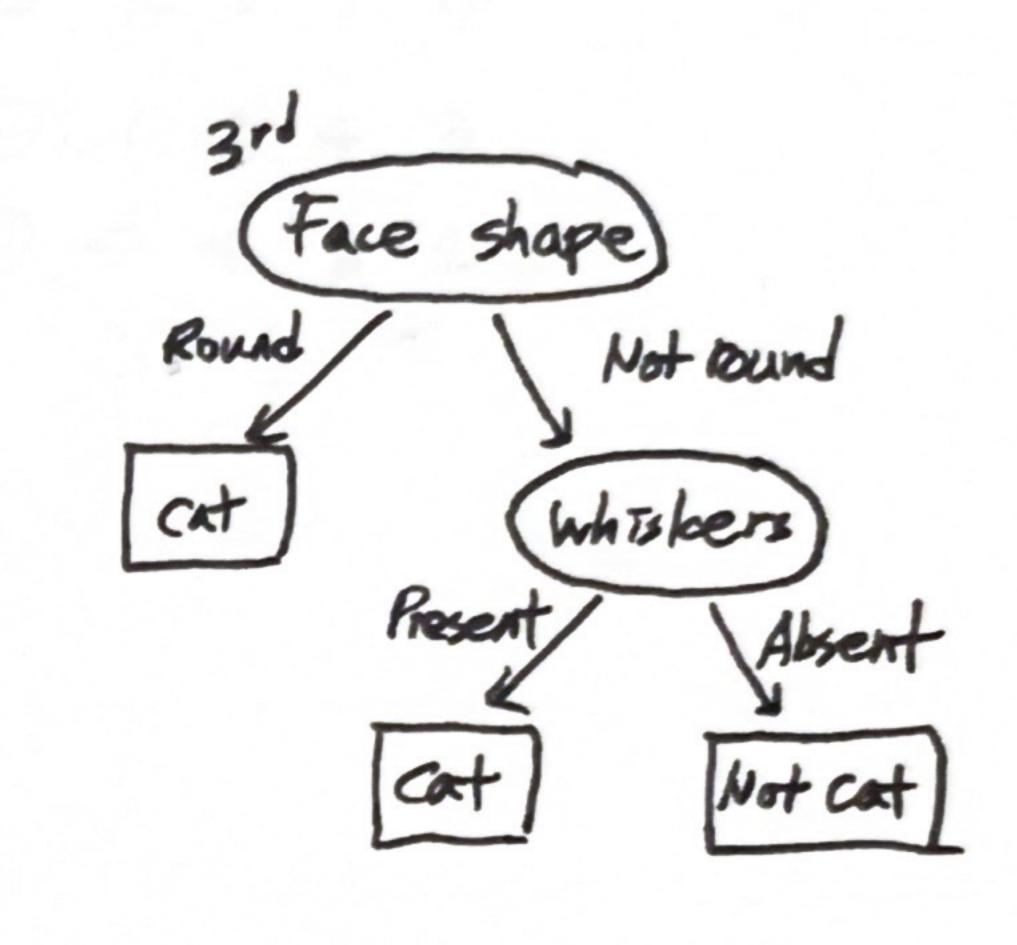
: decision tree can be highly sensitive to small changes in the data

- One solution to make the algorithm less sensitive or more robust

: bull not one decision tree but to build a lot of decision trees = "Tree Ensemble"







high sensitive?

क्षक रामध्य अम्मदायद

highest information gain 1

EUX 9/17 2 1/5 featurest

समर् न था वास

D with new test example that you wanted to classify (e.g New test example )

- Ear slape: Painty

- The all trees

- Face shape : Not round

2) get them to vote on what is the final prediction \_ - Whiskers: Present

3 get majorAy

1 st mee: cat

3rd thee : at

majority: the new test example

13 "cot"