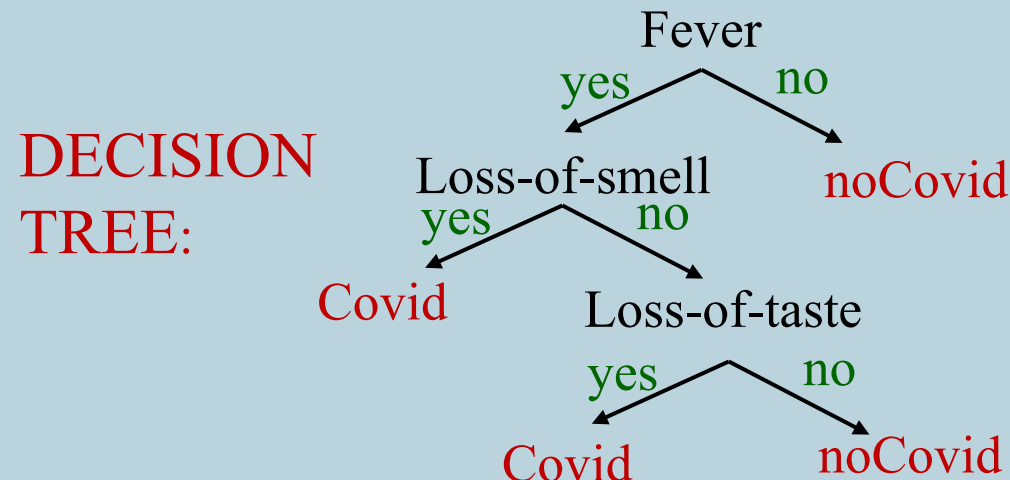


Symbolic / Rule-Based

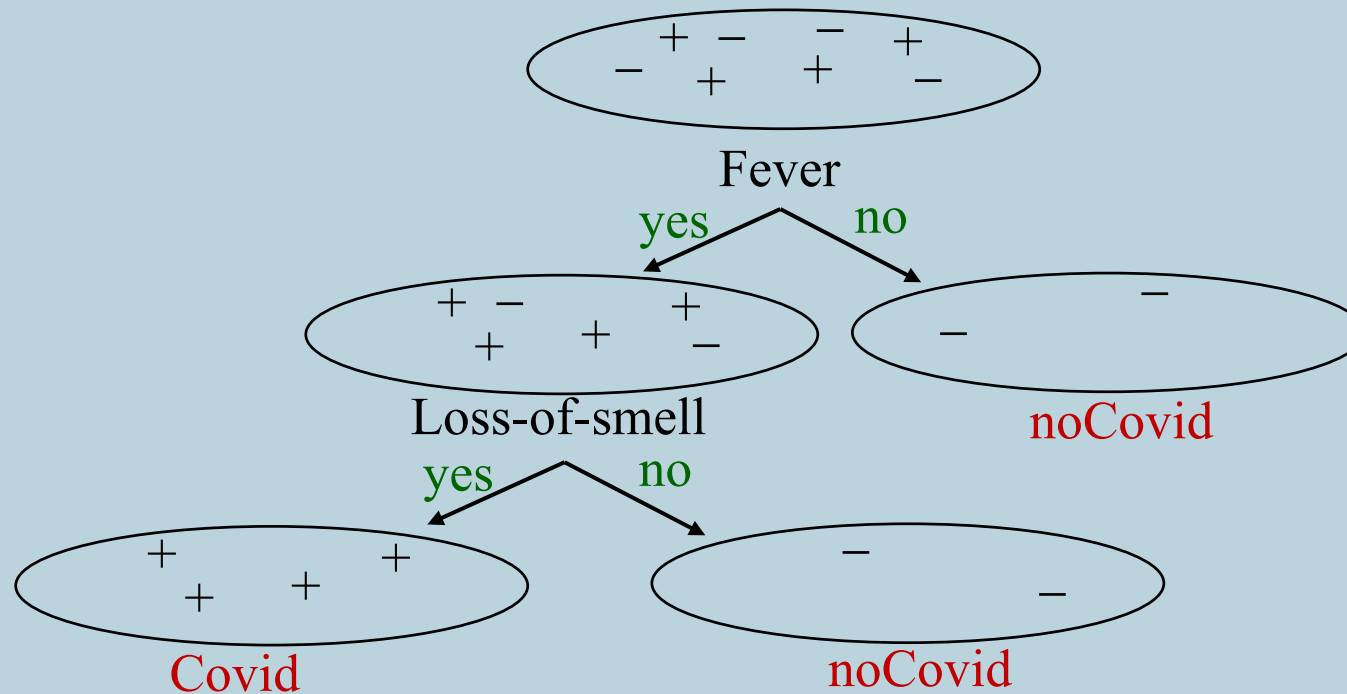
- Concepts are represented in symbolic form as logical rules or decision trees.

RULES: Fever & Loss-of-smell \rightarrow Covid
Fever & Loss-of-taste \rightarrow Covid



Learning Decision Trees

- Recursively build tree top down by picking a feature at each step that best separates the categories.



Weaknesses of the Symbolic Approach

- Assumes problem is governed by a simple logical structure that does not allow for uncertainty or randomness.
- Effectively searching the exponential space of possible rules/trees can be computationally expensive.