TREE CLASSIFIER

Overall analysis and factor study



 root decision is based on outlook
Sunny: Further decision depends on humidity.

Overcast: Always leads to "yes" for play (4 instances).

Rainy: Further decision depends on windy.



OUTPUT = SUNNY

If humidity ≤ 75: Play is "yes" (2 instances).

If humidity > 75: Play is "no" (3 instances).

Insight: Lower humidity encourages outdoor play in sunny weather.



OUTPUT = OUTLOOK

Always leads to "yes" (4 instances.

 Insight: Overcast weather is favorable for play regardless of other conditions.



OUTPUT= RAINY

 If windy = TRUE: Play is "no" (2 instances).

If windy = FALSE: Play is "yes" (3 instances).

Insight: Rainy and non-windy conditions are suitable for play.



FACTORS:

- Outlook: Primary factor dividing decisions.
- 2. Humidity: Critical in sunny weather.
- 3. Windy: Important in rainy weather.

OVERALL ANALYSIS

The model prioritizes outlook as the most influential factor.

Humidity affects decisions in sunny conditions, with high humidity discouraging play.

Windiness influences decisions in rainy conditions, where wind discourages play.