

DECISION TREES

Machine Learning

The background features several abstract, 3D geometric shapes with a vibrant, iridescent color gradient ranging from purple to cyan. These shapes include a large, tilted rectangular frame in the center-right, a smaller similar frame in the bottom-left, and two circular disc-like shapes in the top-left and top-right corners. The overall aesthetic is modern and tech-oriented.

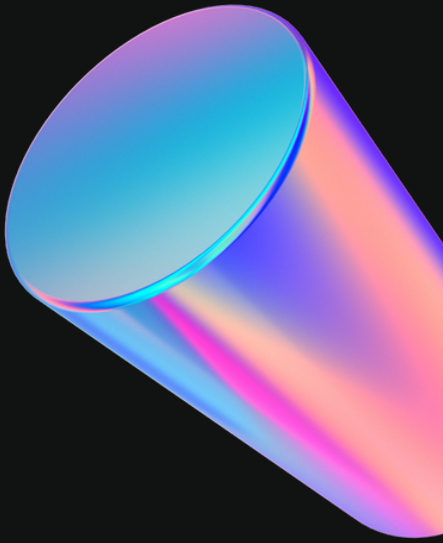
**IRON
HACK**



Decision Trees are very intuitive



- Yes or no questions
- Decision nodes
- Leaf Nodes
- Gini Impurity
- Information gain
- Classification and Regression



Classifying Animals

Has feathers?

Yes

No

Migrates?

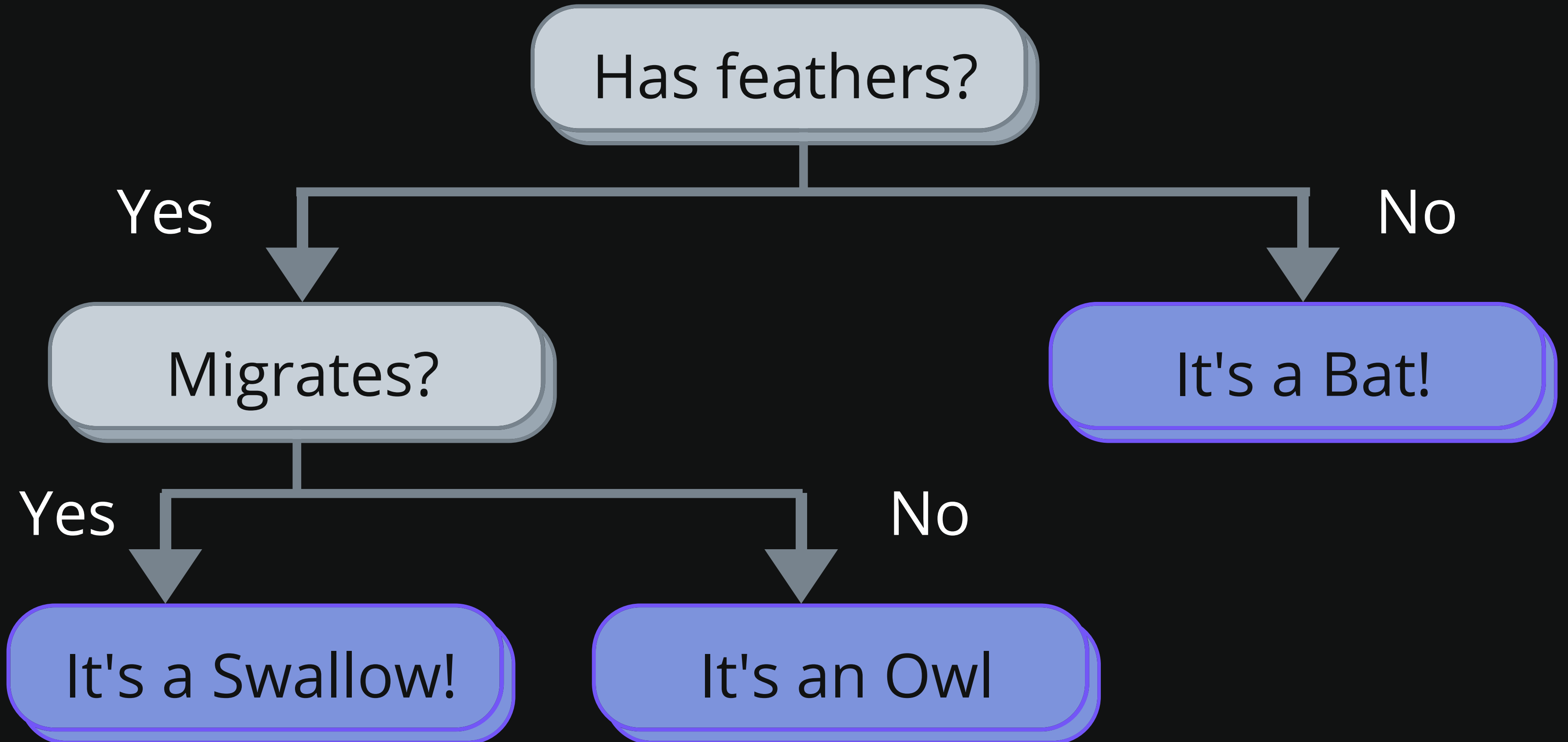
It's a Bat!

Yes

No

It's a Swallow!

It's an Owl





**TREE, TREE, TREE,
FOREST**





Random Forest, Random



Mixing and Matching

BAGGING

Bootstrap Aggregating

BOOSTING

Bagging with a twist

