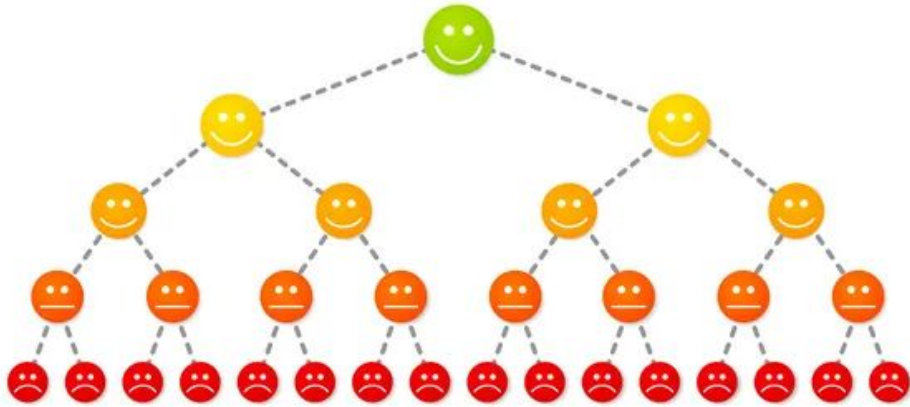


An abstract graphic on a dark blue background featuring a complex network of white lines and dots. The dots are of varying sizes and are connected by thin white lines, creating a web-like structure that spans the width of the image. The overall effect is one of digital connectivity and data flow.

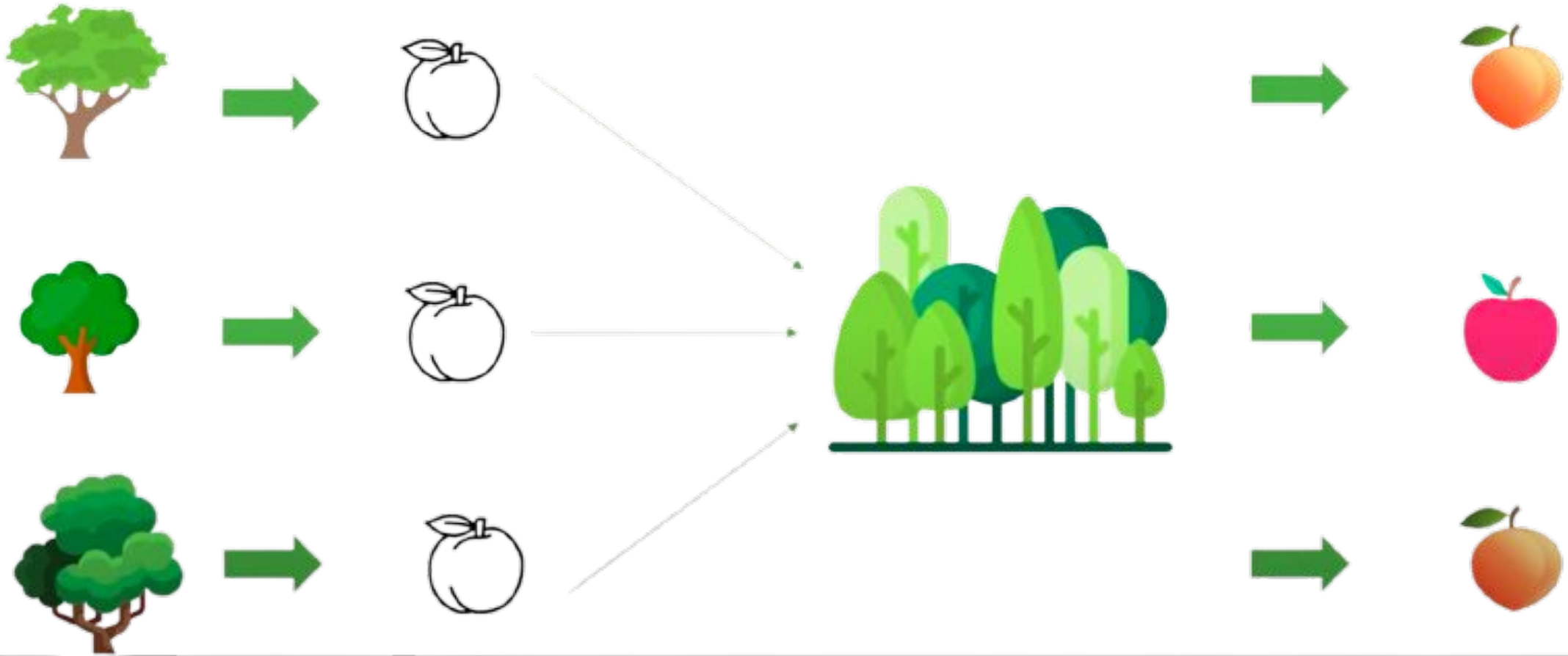
# Day 6 GNITS AI Workshop

# What is Random Forest ?

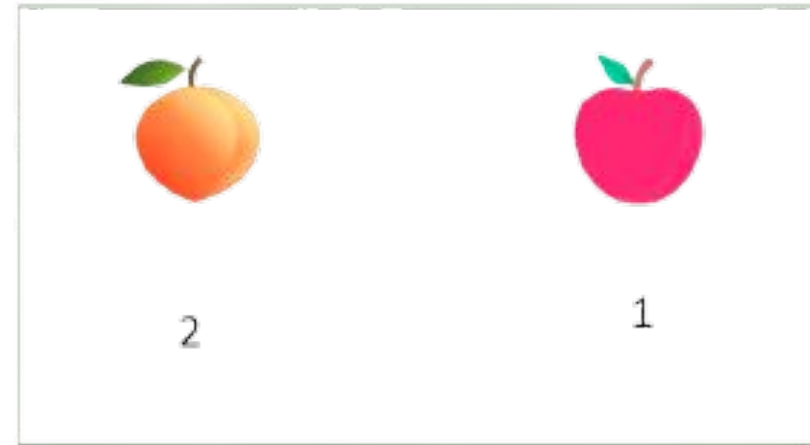


Random forest is constructed using multiple decision trees and the final decision is obtained by majority votes of the decision trees.

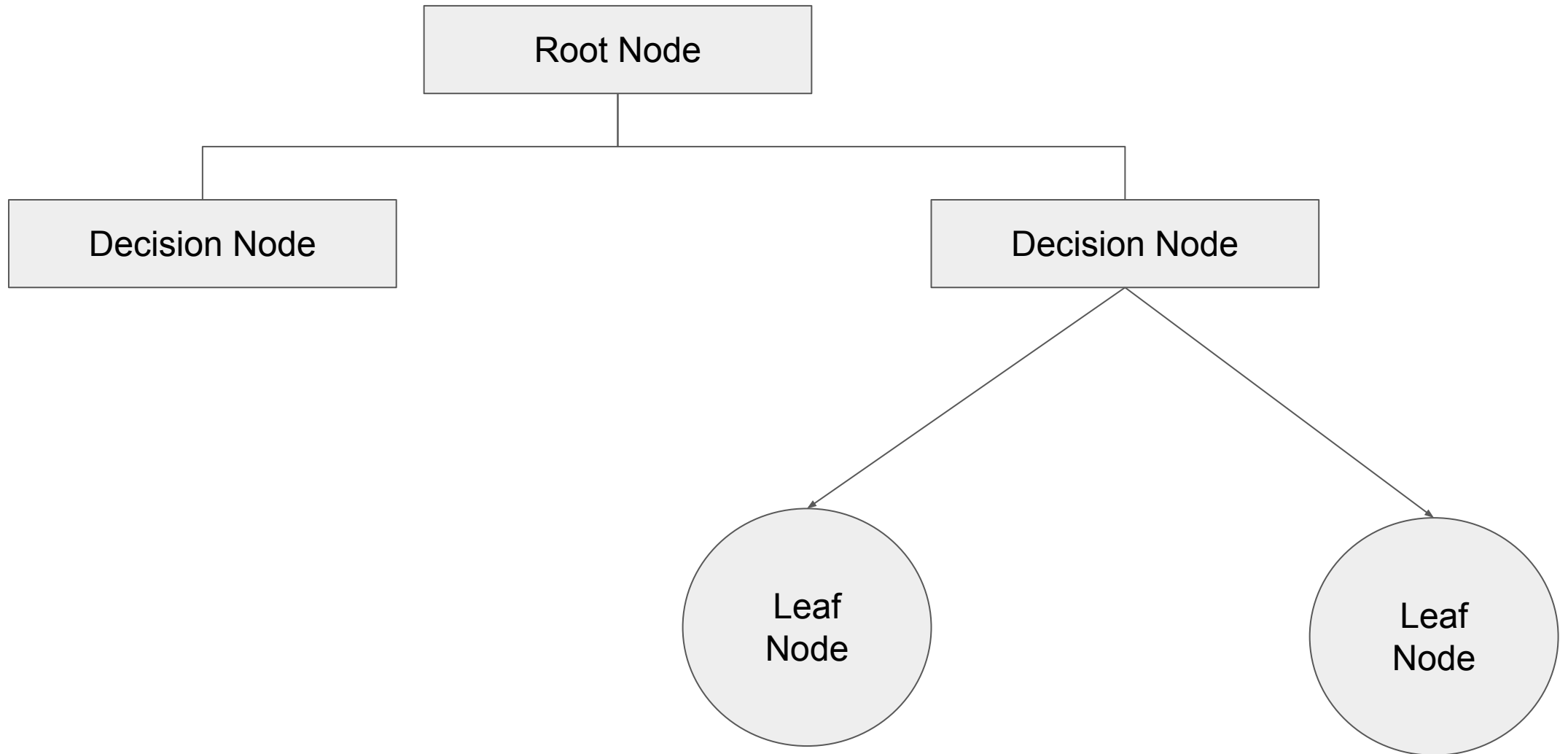
# What is Random Forest ?



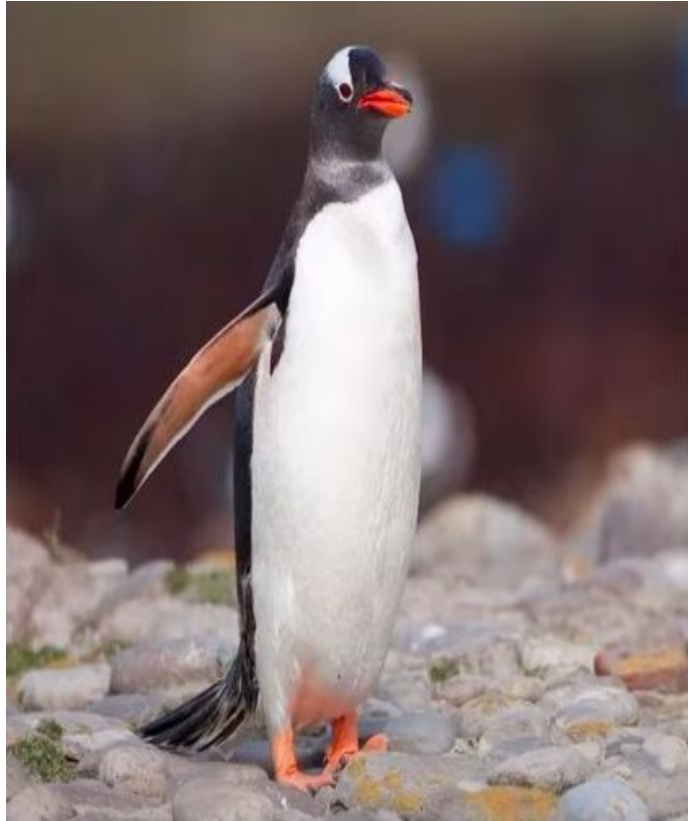
# What is Random Forest ?



# What is Decision Tree ?



## Decision Tree: Penguin Classification



**Gentoo**



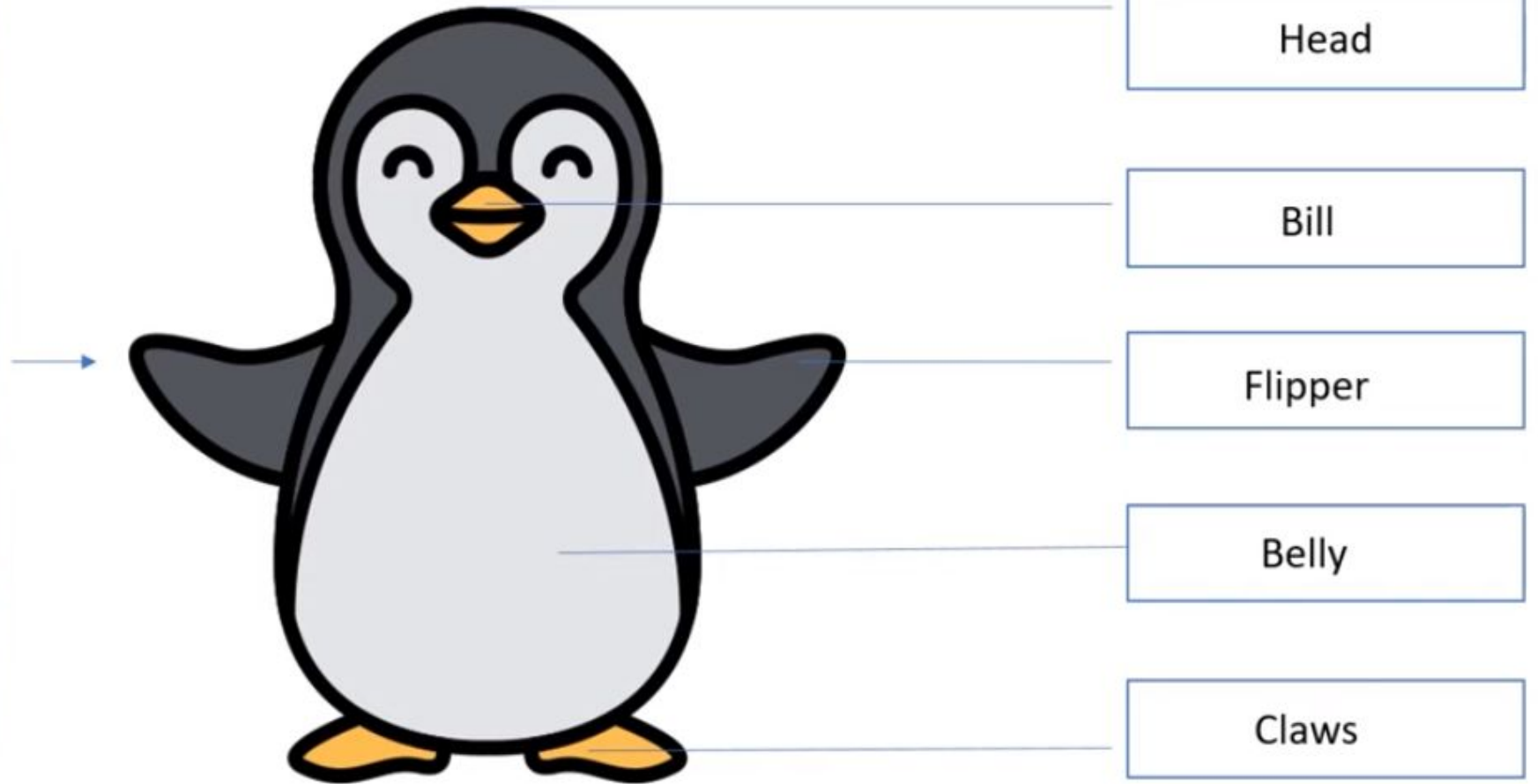
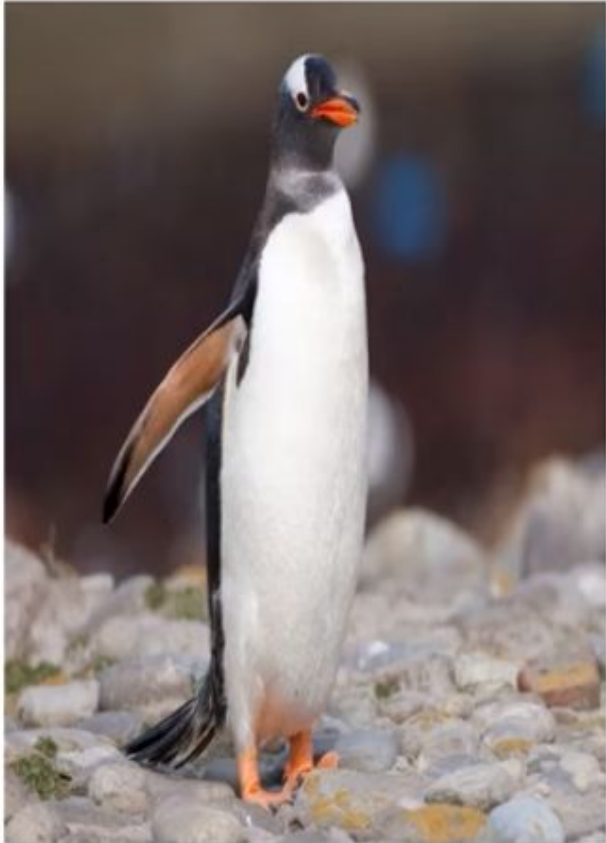
**Adelie**



**Chinstrap**

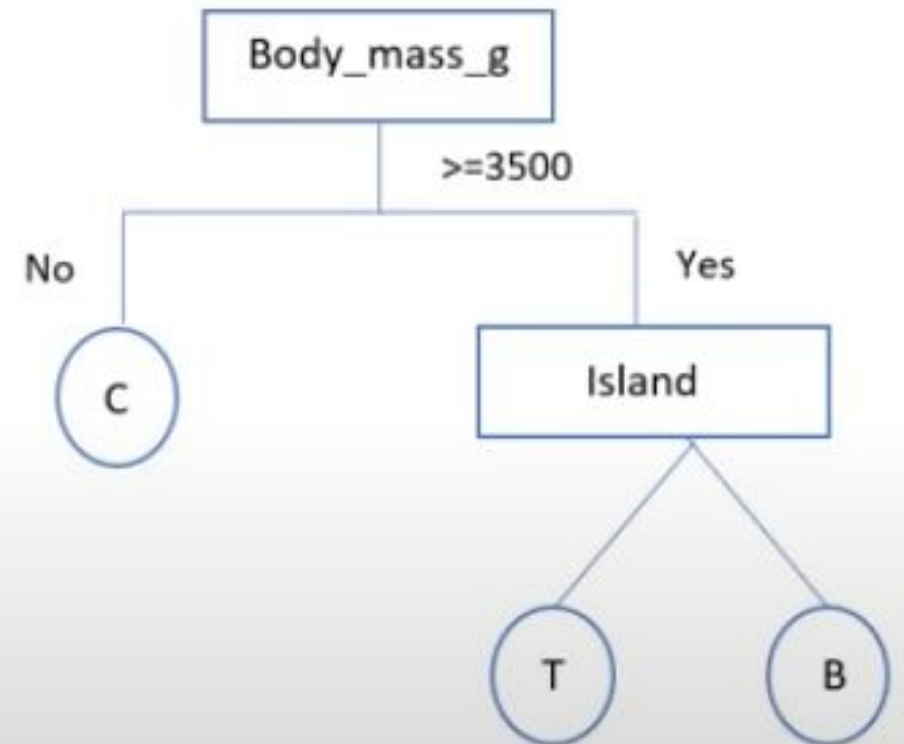


# Decision Tree: Penguin Classification



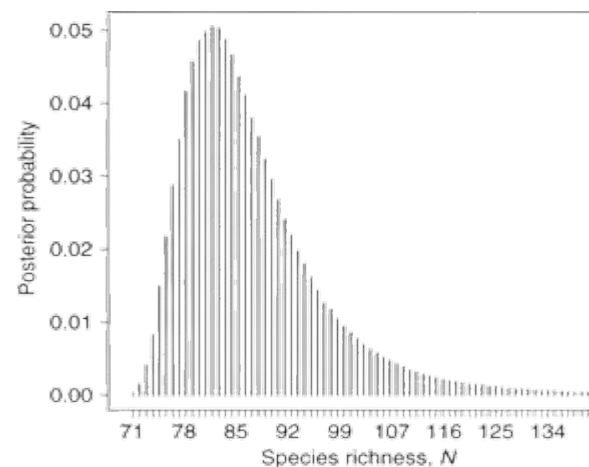
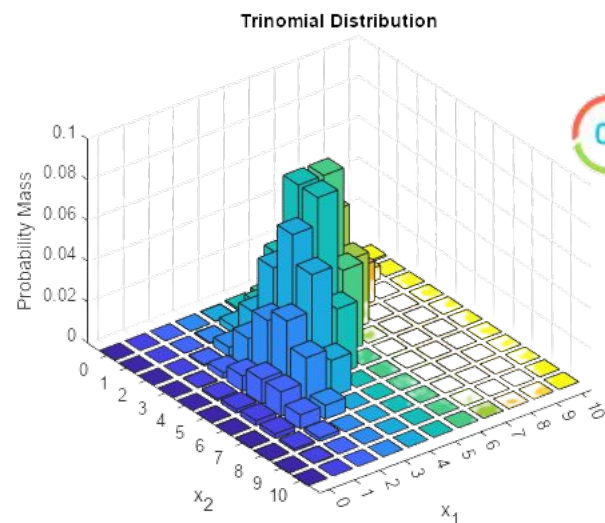
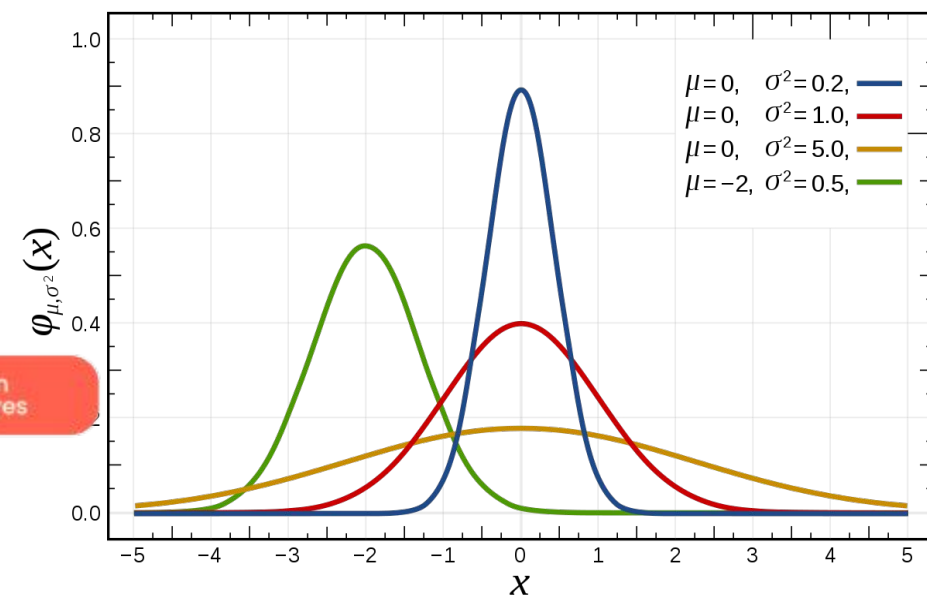
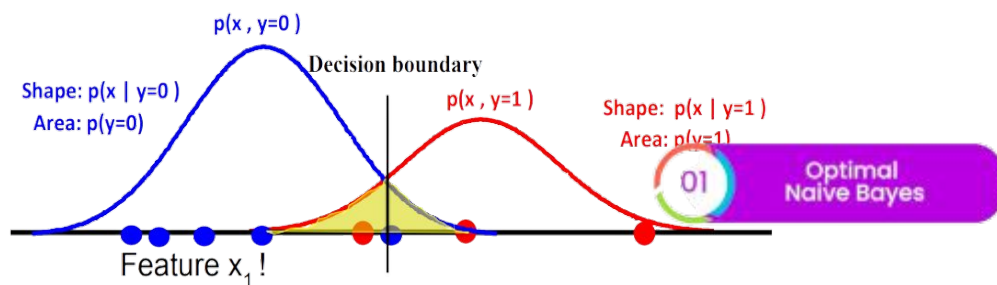
# Decision Tree: Penguin Classification

Species	Island	Body_mass_g
Adelie	Torgersen	3750.0
Chinstrap	Dream	3250.0
Gentoo	Biscoe	6000.0
Gentoo	Biscoe	4750.0

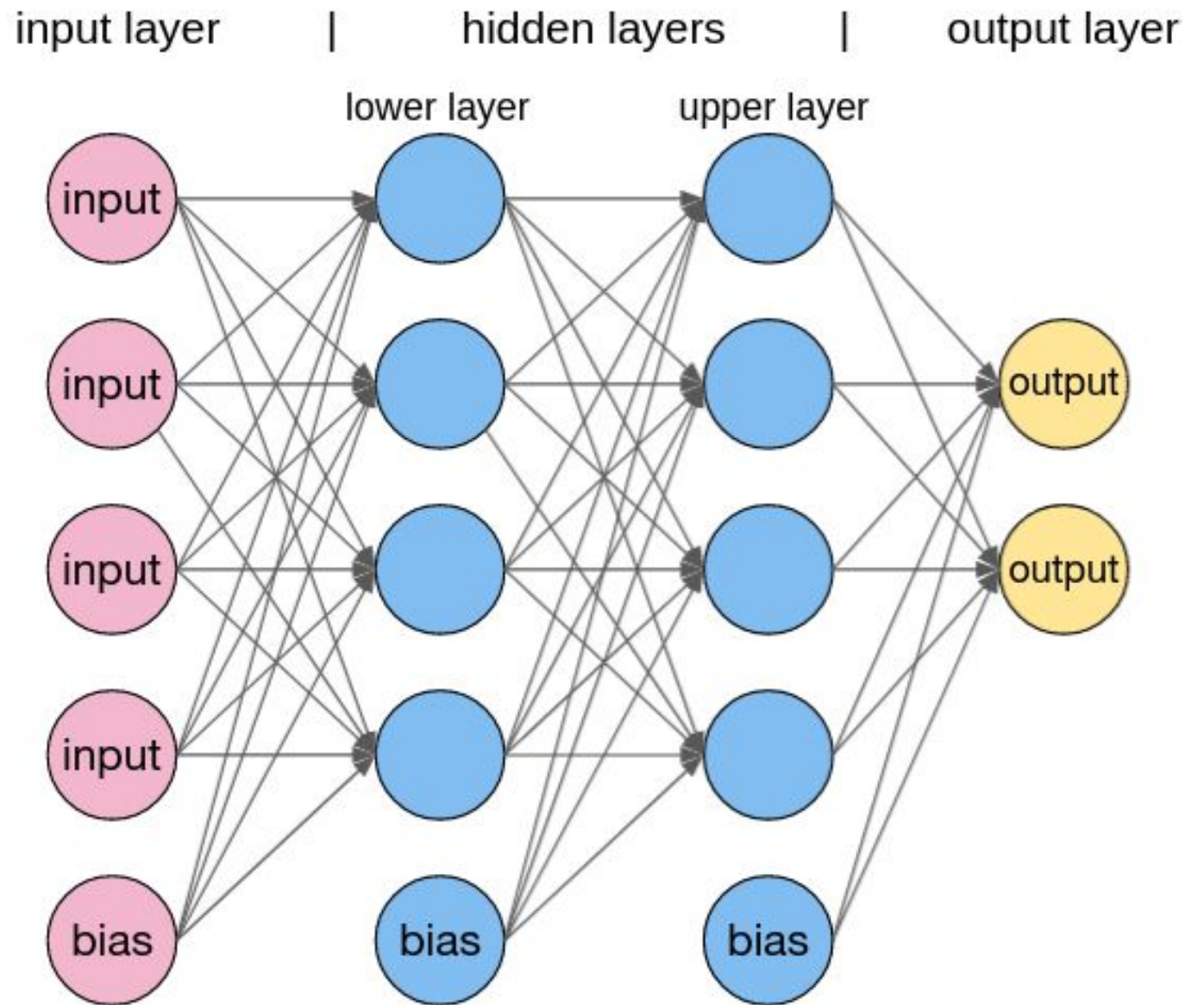




# Naive Bayes



# Multi Layer Perceptron



Questions ?