Decision Trees
Basics

Trees

Tree – acyclic connected graph
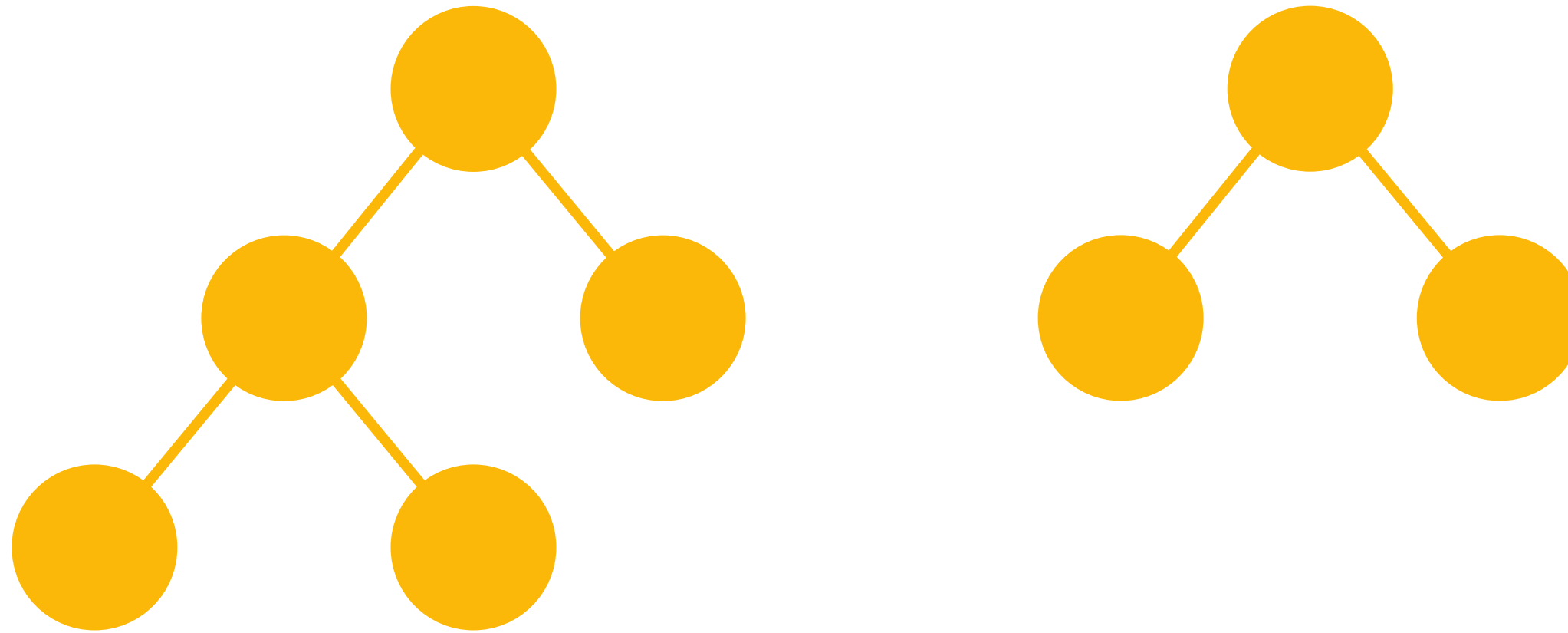

node

edge
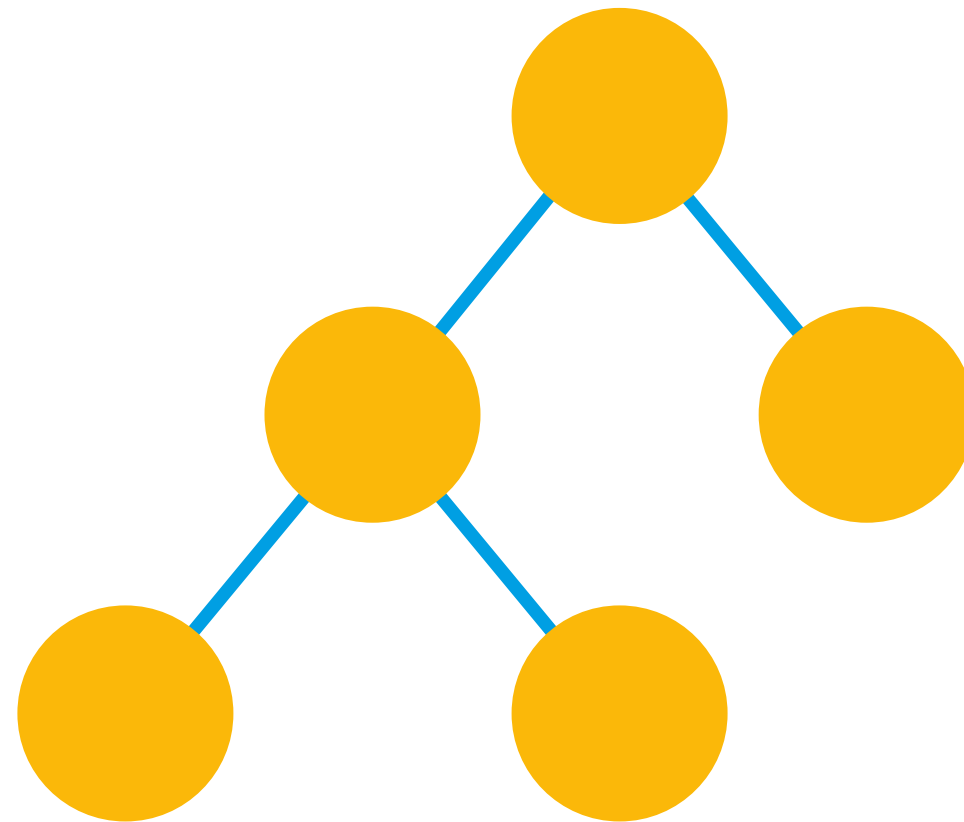
Trees

Not a tree!

Cycle
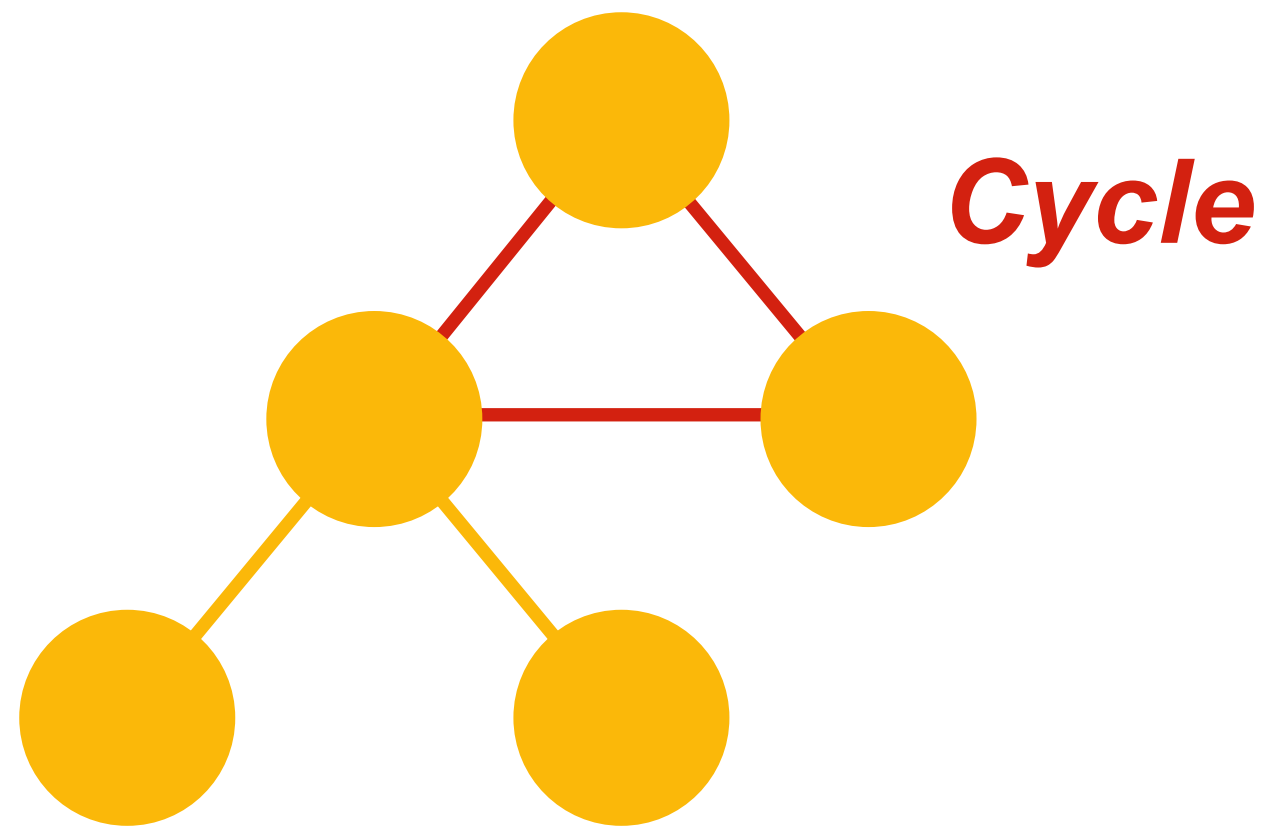
Trees

Not a tree!

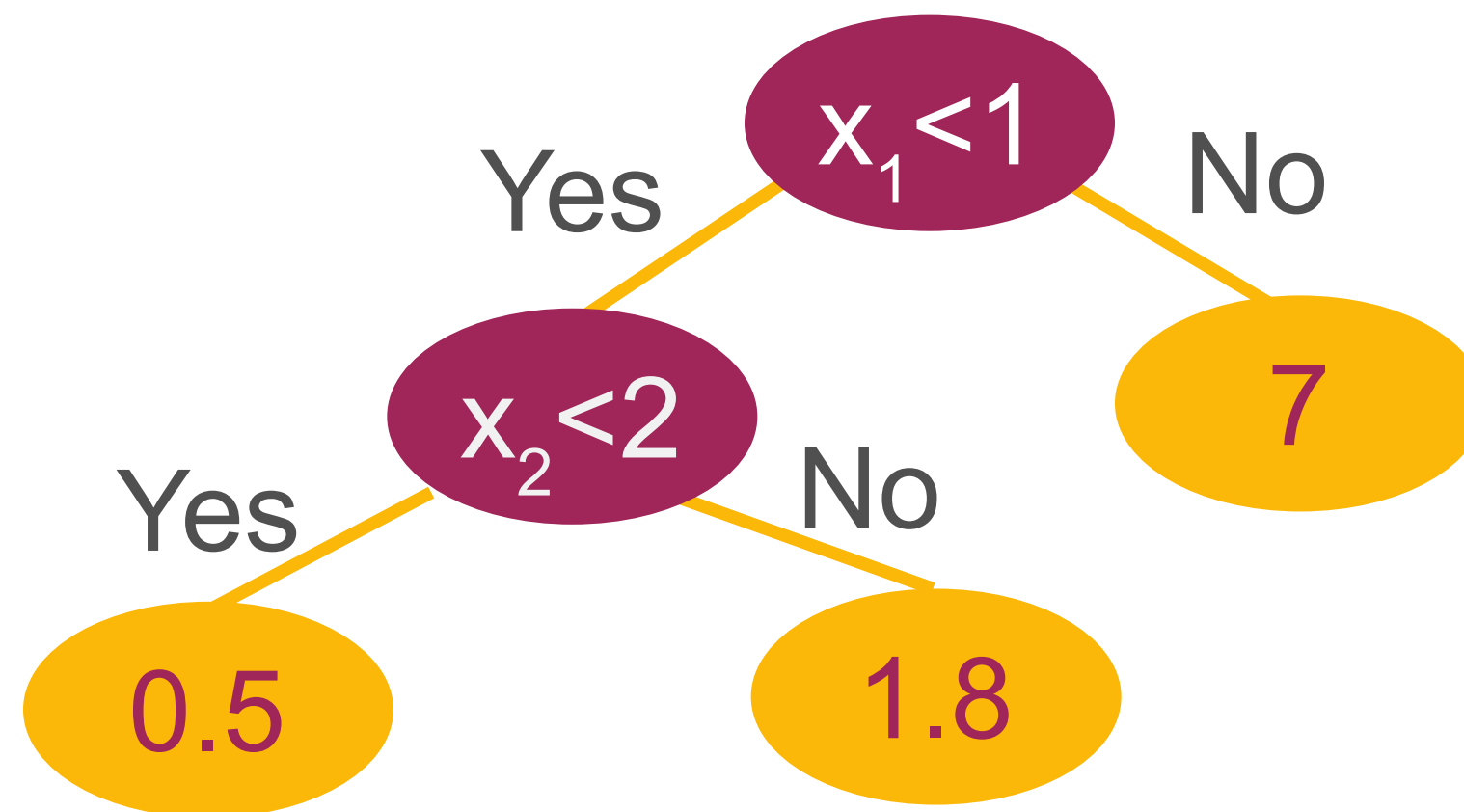Two Disconnected Components

Trees

Tree – acyclic connected graph

Decision tree – binary tree, a graphical representation of a function
Root & internal nodes – splitting conditions
Leaves - predictions

Decision tree – binary tree, a graphical representation of a function
x=[0.5, 10, 0],   f(x)= 1.8