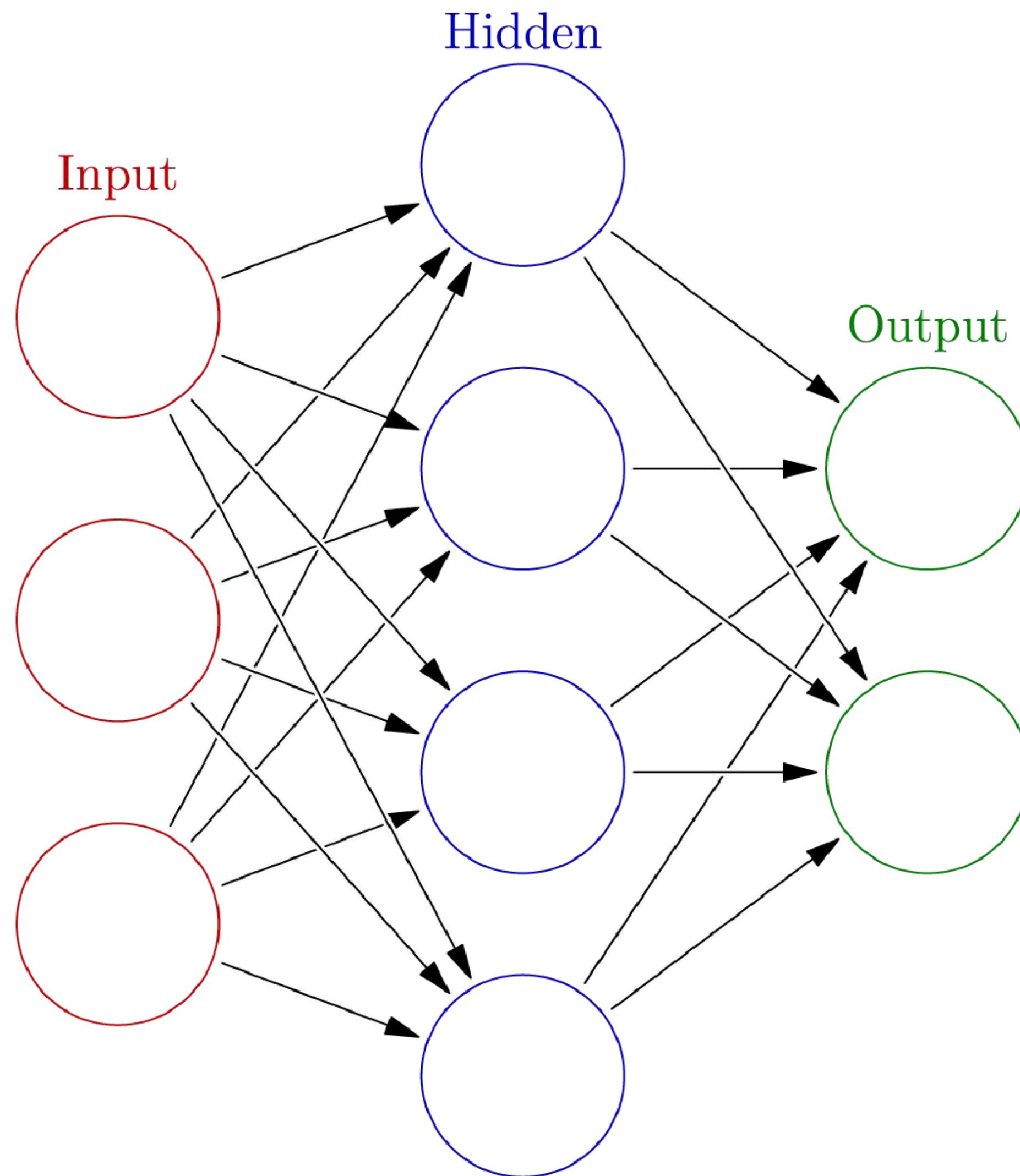


fluid.mlpclassifier~



Neural Network (Multi-Layer Perceptron)

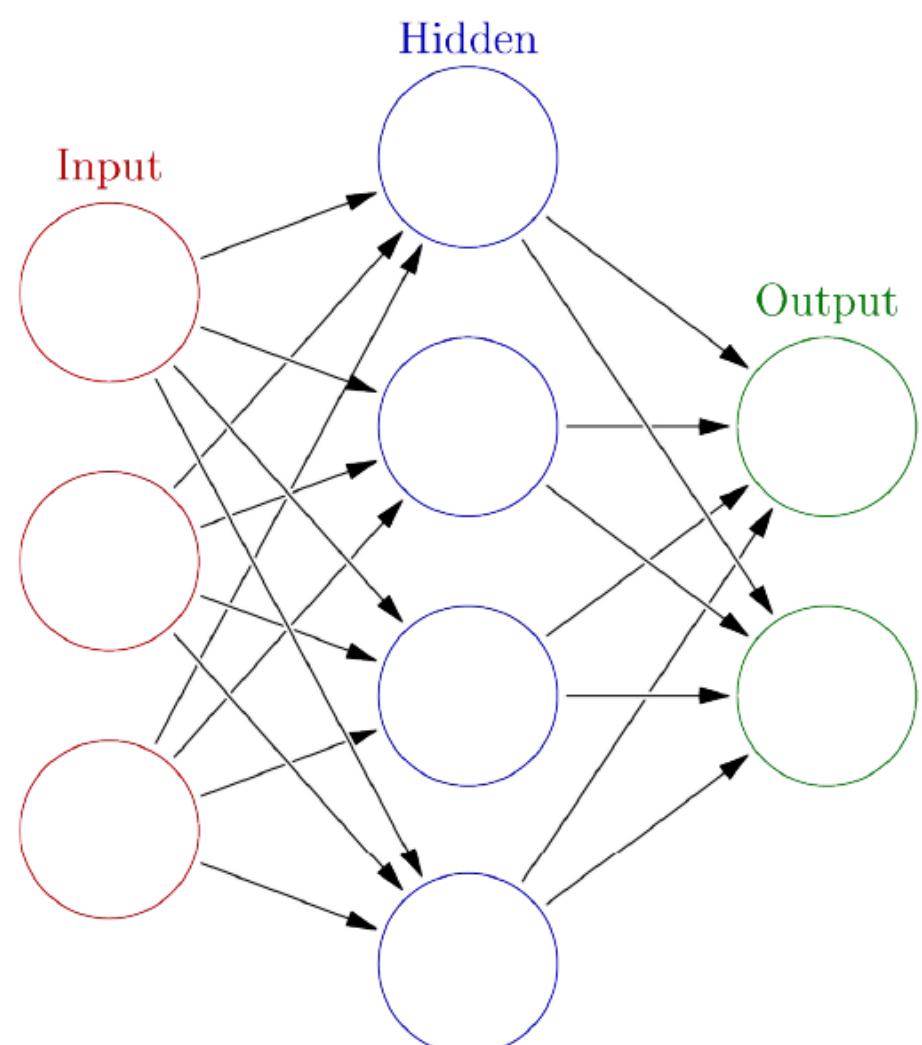


Classification:
a neural network predicts
which category (or “class”)
an input belongs to

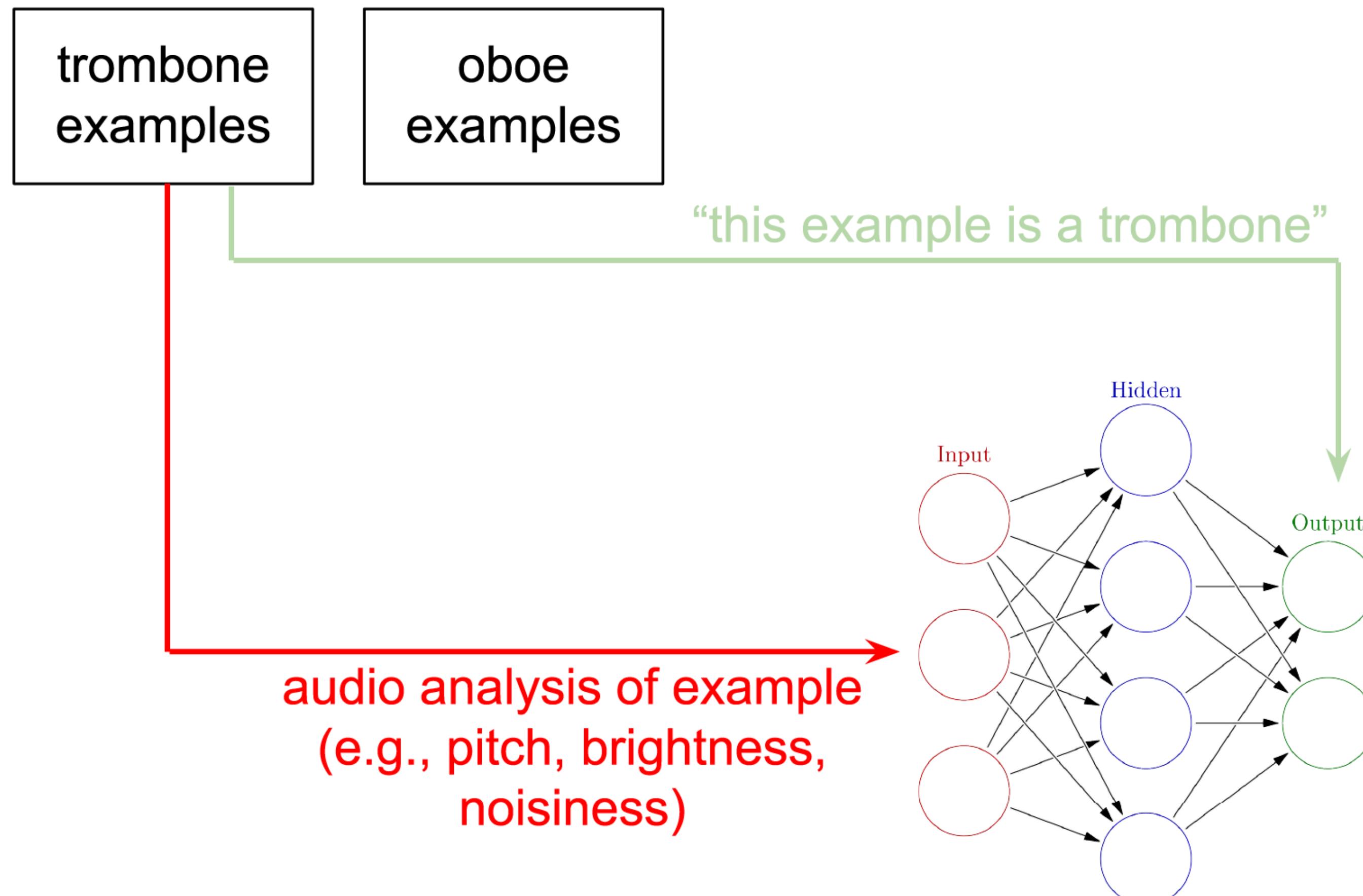
Neural Network ***Training a Classifier***

trombone
examples

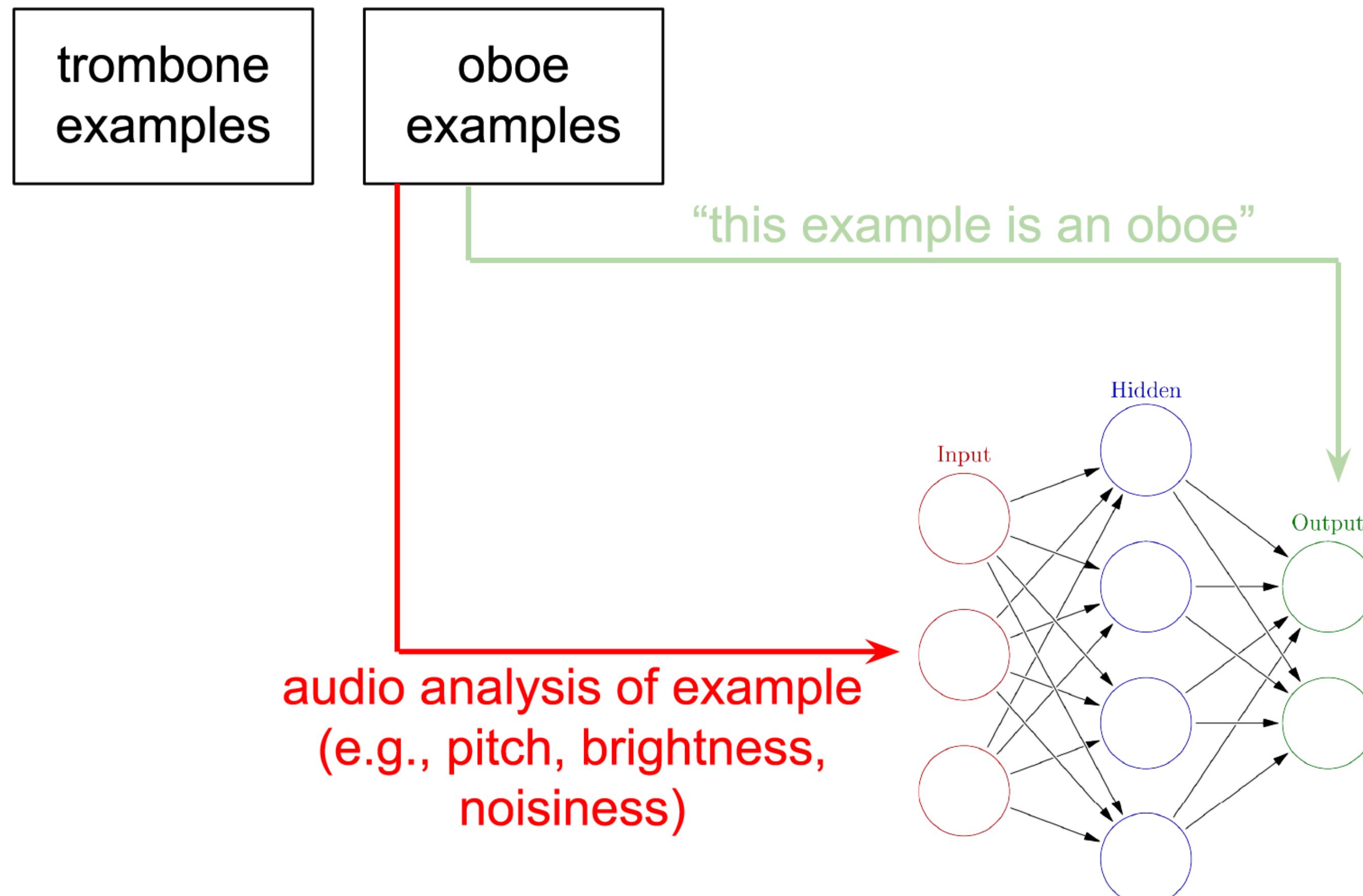
oboe
examples



Neural Network **Training a Classifier**



Neural Network **Training a Classifier**



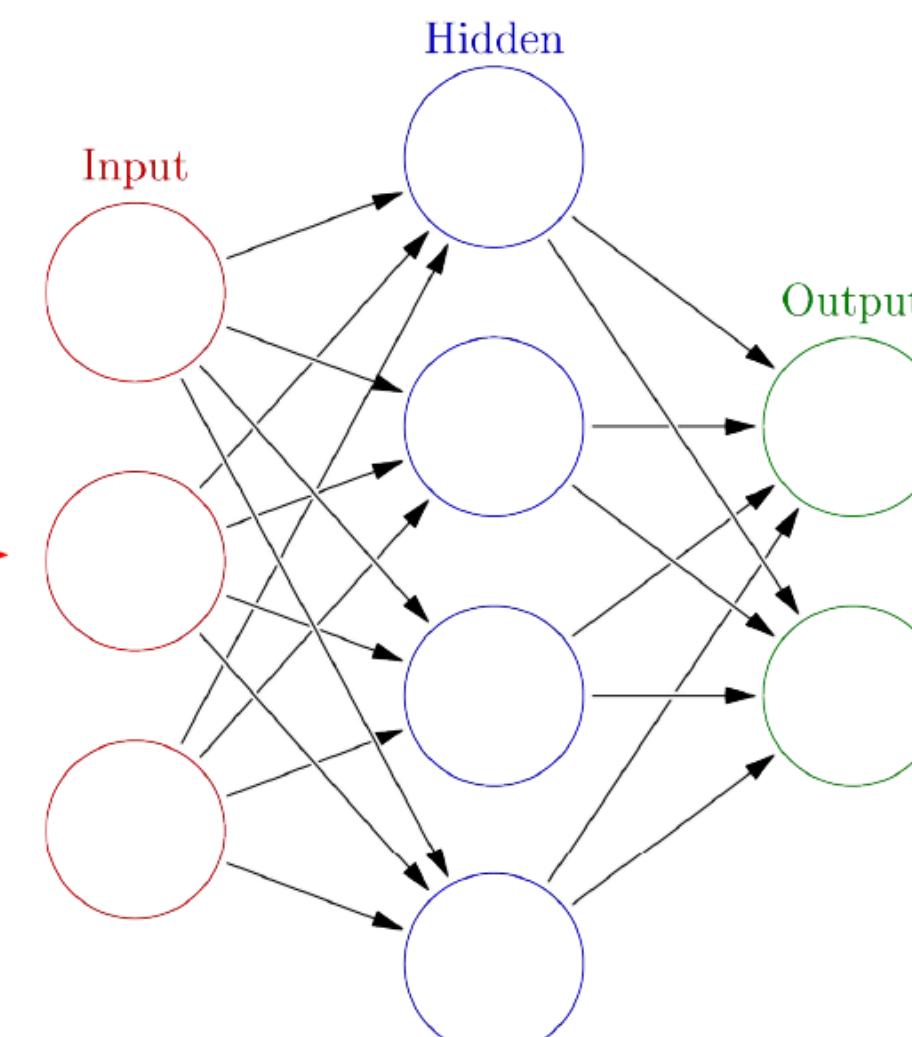
Neural Network Predicting a Classification

trombone
examples

oboe
examples

new example it has
never seen before

audio analysis of example
(e.g., pitch, brightness,
noisiness)



“this new example is most
like the oboe examples you
showed me before”
(or trombone...)