

Terminology: C-Way K-Shot



C-Way: The model distinguishes between C classes

k -Shot: The model is trained on k examples per class

Bird



Dog



Monkey



Embedding
Module





3-Way 1-Shot Problem

Bird



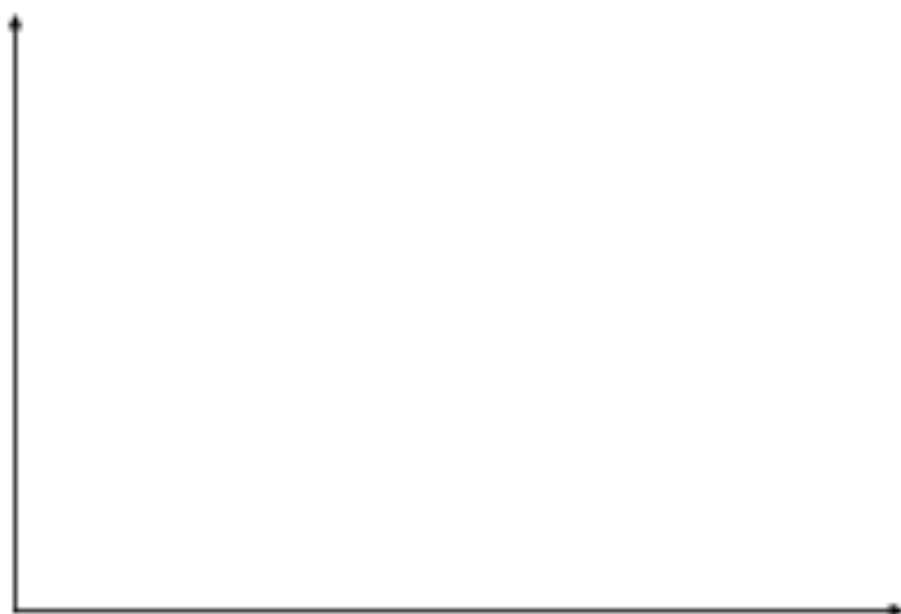
Dog



Monkey



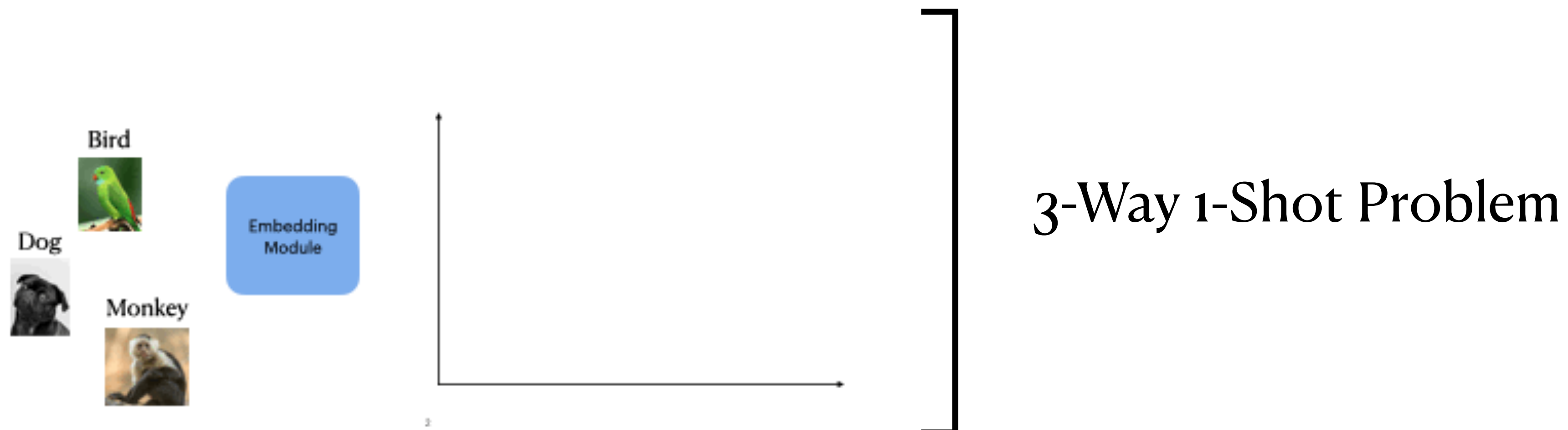
Embedding
Module



Terminology : C-Way K-Shot

C-Way: The model distinguishes between **C** classes

K-Shot: The model is trained on **K** examples per class



Episode Based Training (1)

Mimic the few-shot learning setting via episode based training.

An **episode** in few-shot learning consists of a sample set (S)
and a query set (Q)

$$\text{Episode} = \{S, Q\}$$