



**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



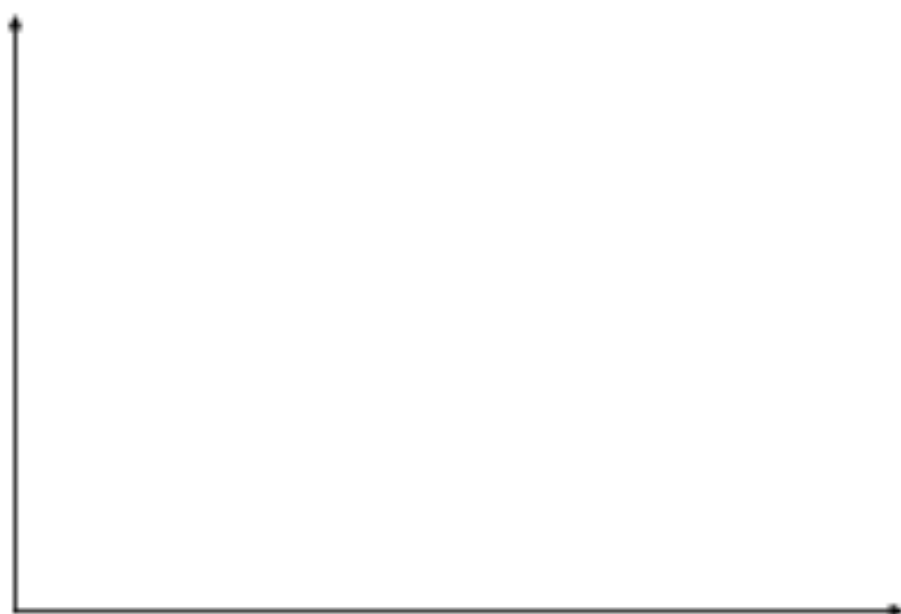
Dog



Monkey



Embedding  
Module





# 3-Way 1-Shot Problem



Bird



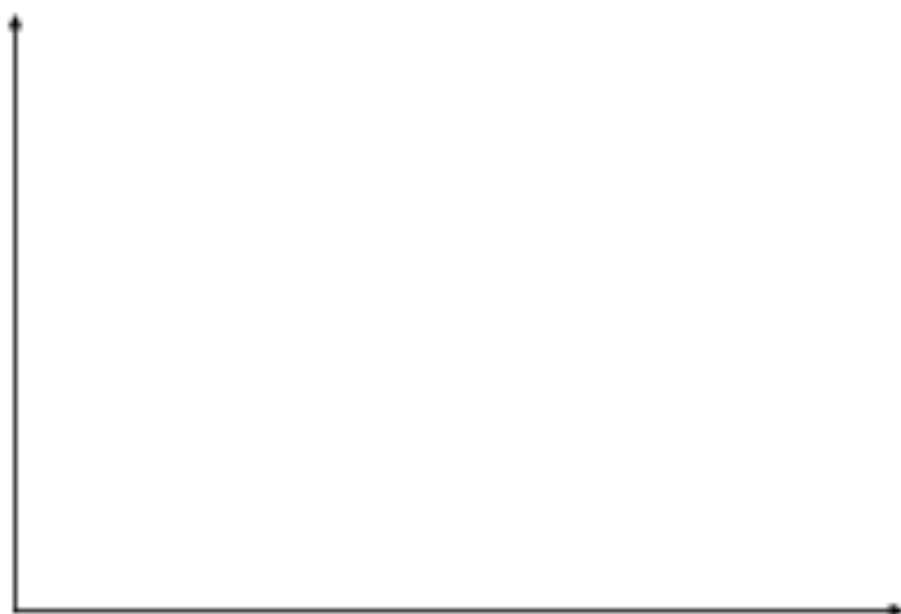
Dog



Monkey



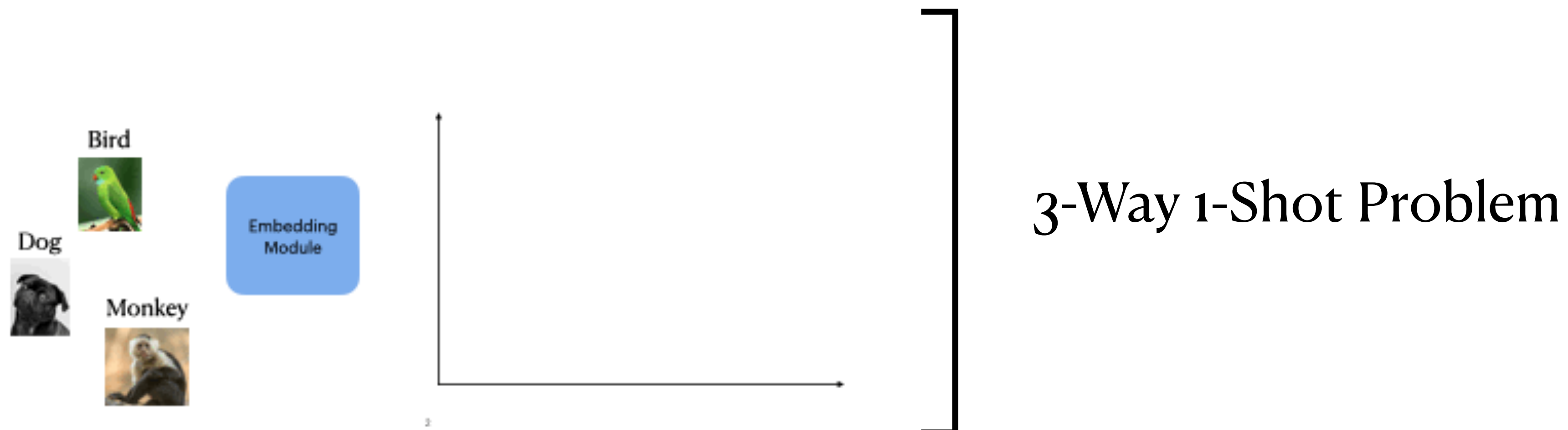
Embedding  
Module



# 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 (  $Q$  )

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