



# Zero-Shot Learning (1)

1

3

Zero-shot learning is analogous to one-shot. However instead of being given a sample set with an image for each of  $C$  training classes, it contains a **semantic class vector**  $v_c$  for each.



# Bird

A small, lightweight creature with a streamlined body, feathered wings...

# Dog

A medium-sized animal  
with a muscular build,  
short fur, floppy ears...

# Monkey

A slender, agile  
primate with long  
limbs, a prehensile  
tail, expressive face...



# Bird



Dog



# Monkey





# Attribute Embedding Module

1

3

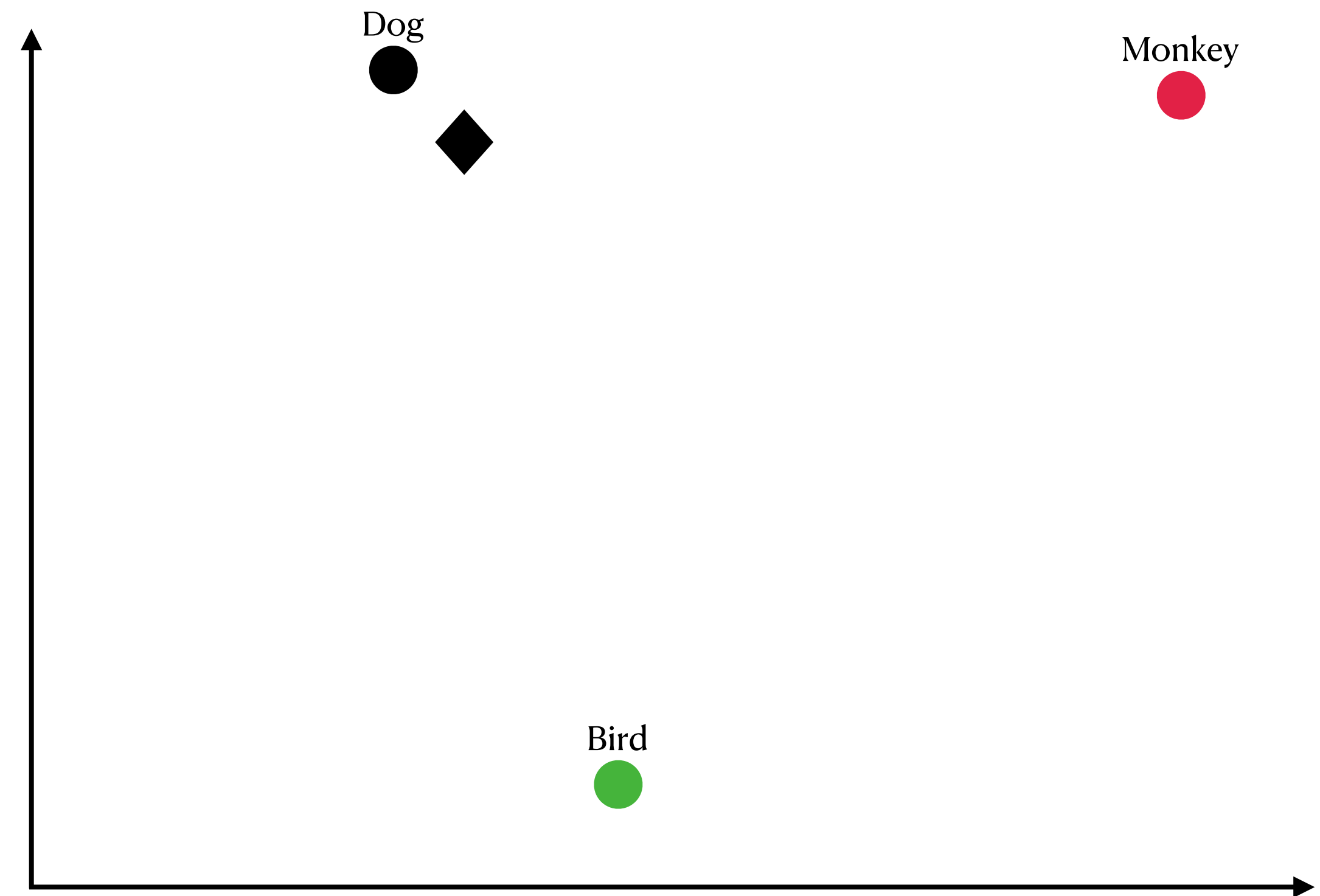
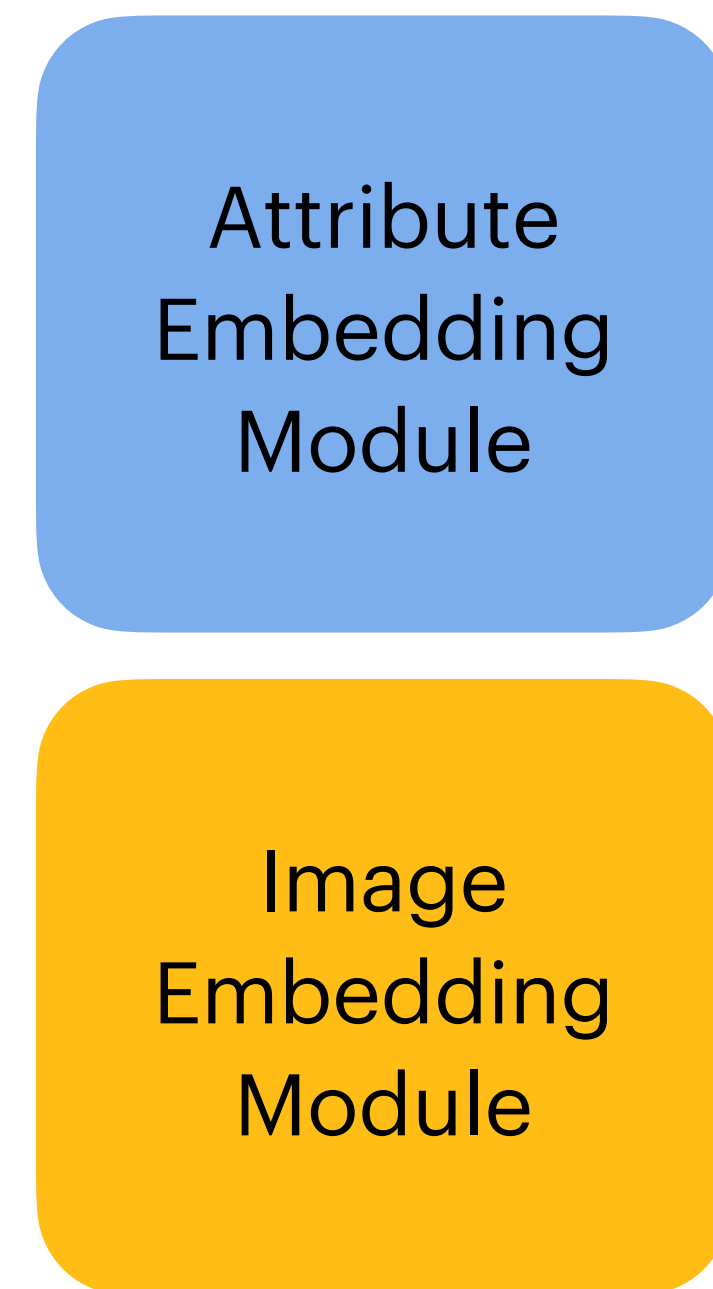


# Image Embedding Module



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# Zero-Shot Learning (2)

