Relation Nets One-Shot Testing



Monkey

(1 1>

Elephant



test













Relation Module























$f_{\varphi}(image)$ $g_{\varphi}(e_1,e_2)$





















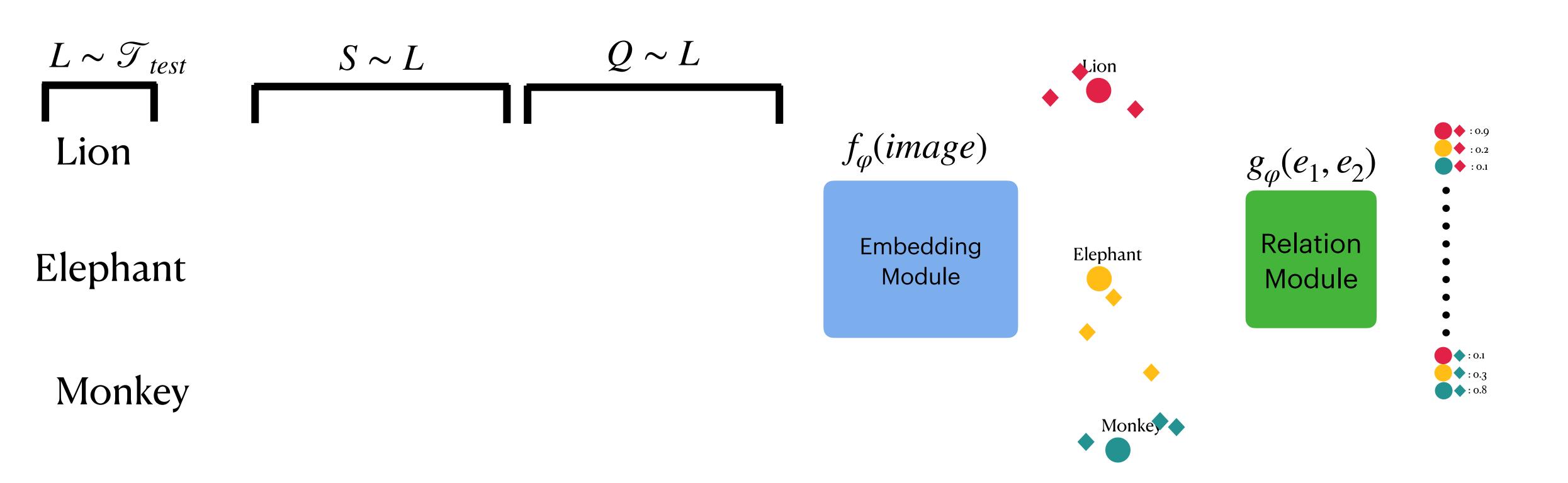




Embedding

Module

Relation Nets One-Shot Testing



Zero-Shot Learning (1)

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...

Attribute Embedding Module

Image Embedding Module