

Train samples of seen classes



Class attributes of seen classes

clownfish

+stripe
+aquatic
+small size

blackbear

+black color
+quadruped
+short tail

robin

+red chest
+bipedal
+black eye

Offline Train

Time axis

Train data

dolphin

+aquatic
+long beak
+mamal

hamster

+quadruped
+terrestrial
+rodents

panda

+black color
+white color
+short tail

elephant

+huge body
+large ears
+long nose

bobcat

+brown color
+pointed ears
+short tail

rabbit

+white color
+mamal
+short tail

Online Incremental Learn

Test data



...

...



Session-1

Session-2

Session-T

new unseen attributes

test samples of previous encountered class

test samples of new unseen class