



Image Analysis and Computer Vision Laboratory

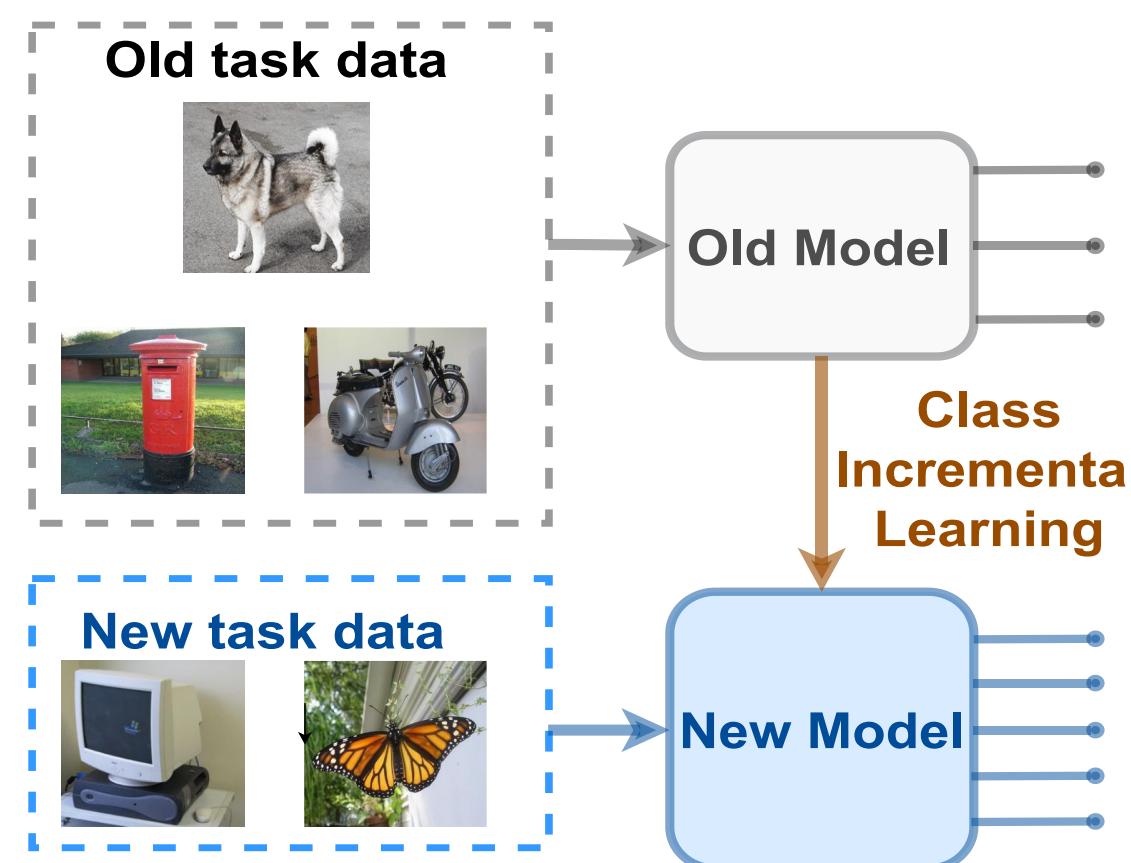
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Department of Electrical Engineering
Indian Institute of Science, Bangalore

Class-Incremental Learning

Goal: Learn to recognize new classes as they arrive



About us...

We work on a variety of exciting Computer Vision problems like

- Class-Incremental Learning
- Domain Generalization
- Test-Time Adaptation
- Novelty Detection
- Multimodal Learning

Domain Adaptation

Goal: Adapt model to unseen domain shifts on the fly

Test Time Adaptation (TTA)

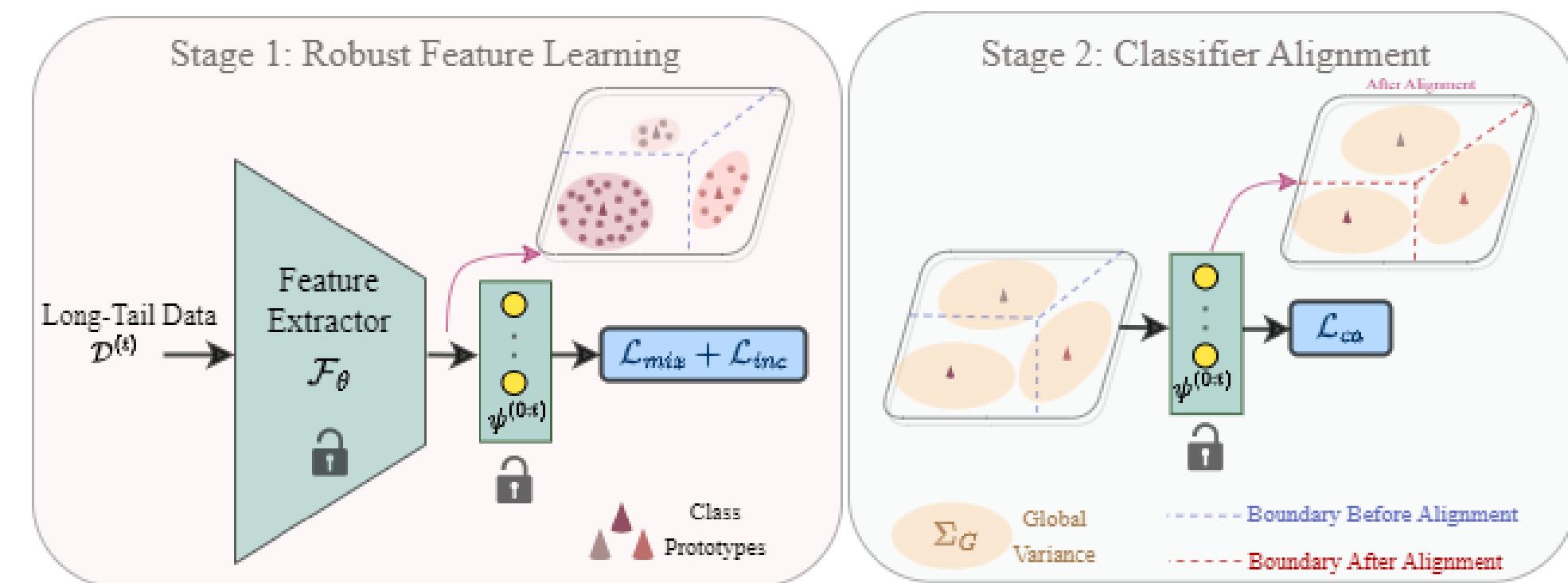


Continuous Test Time Adaptation (CTTA)



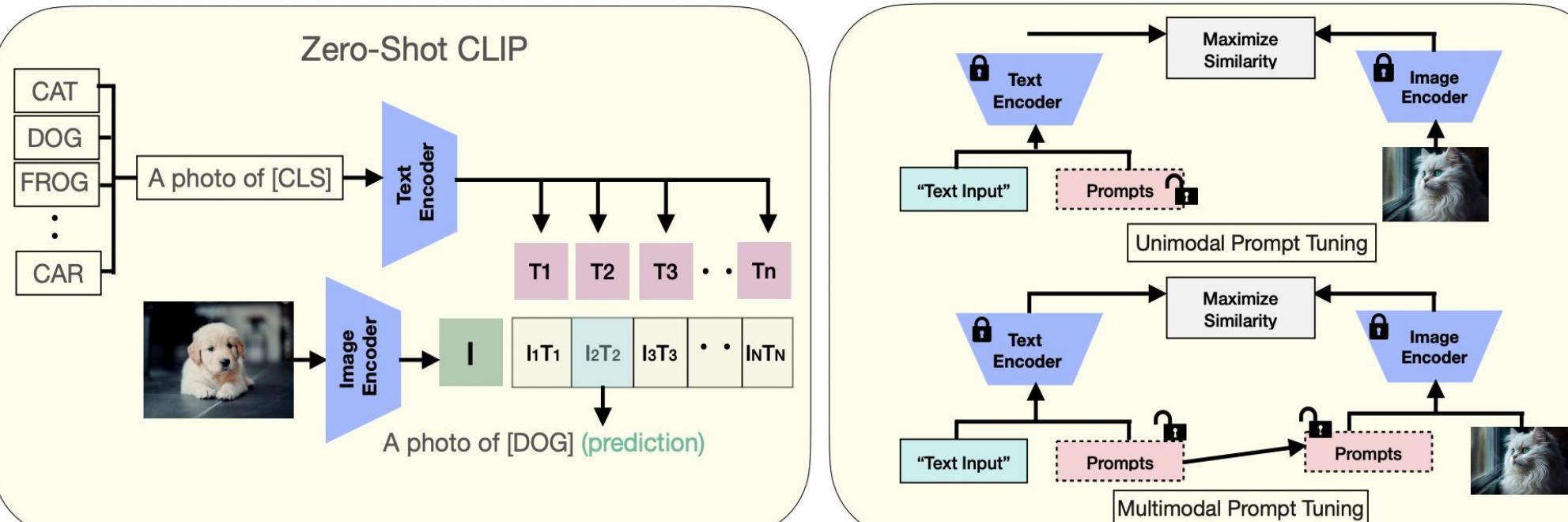
Long-Tail Class-Incremental Learning

Goal: Learning new classes from a long tailed distribution



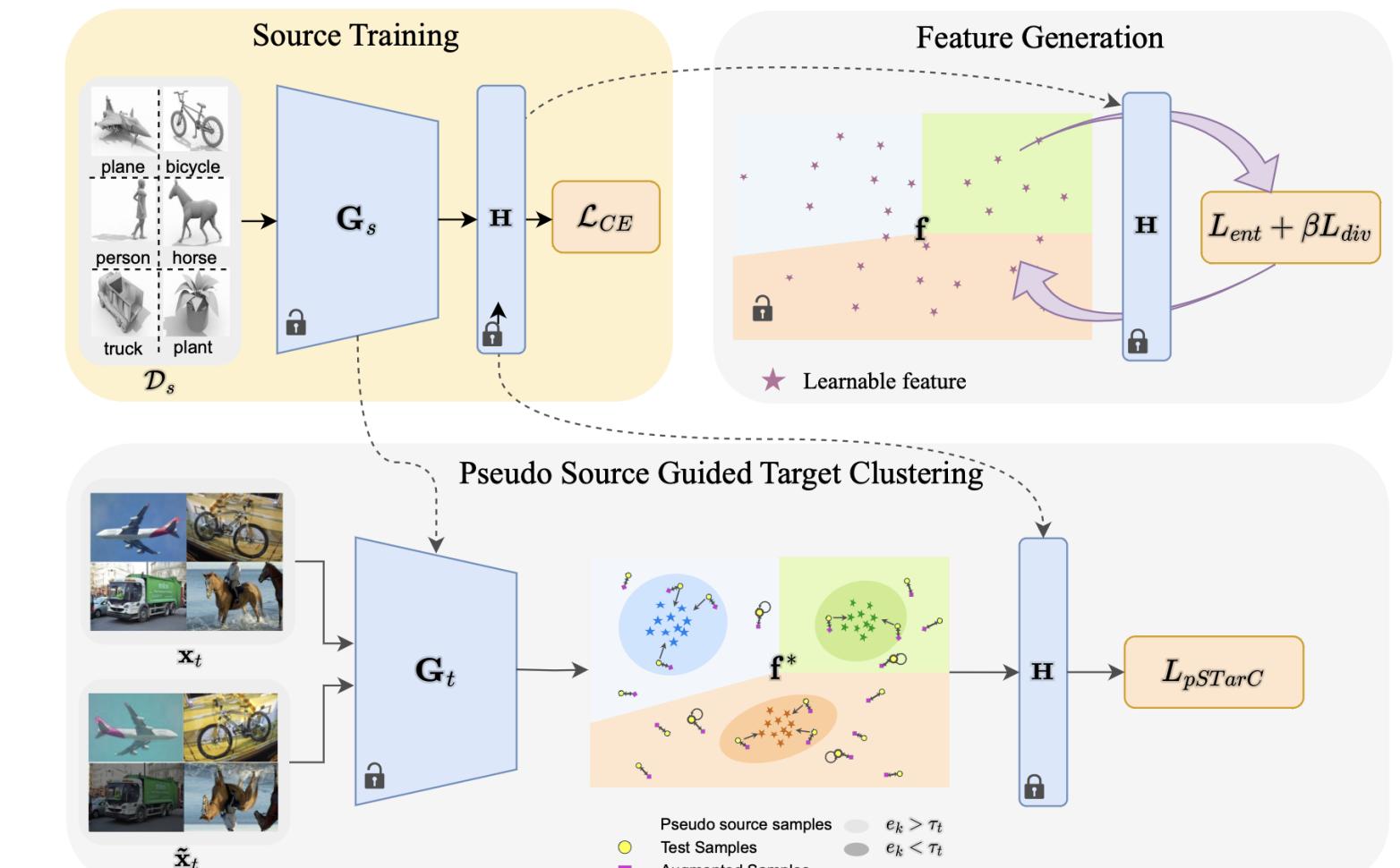
Multimodal Learning

Goal: Learning representations using image and text modalities



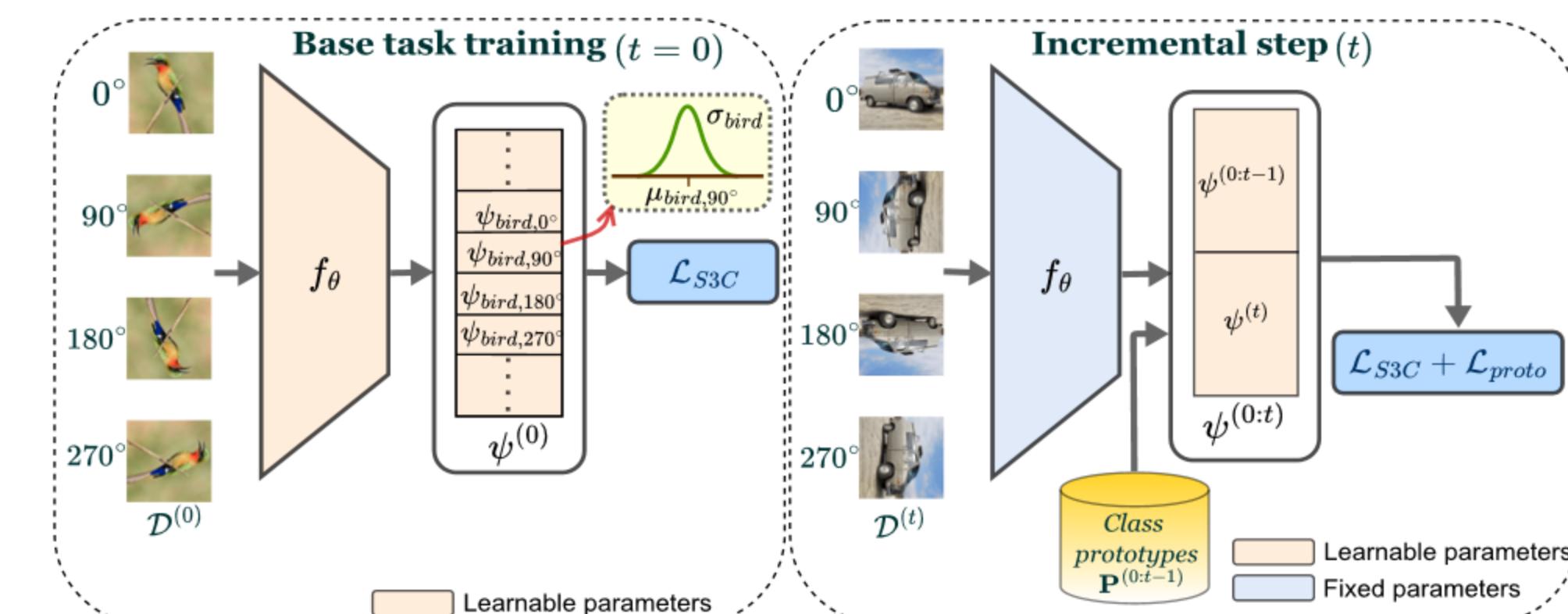
Test-Time Adaptation

Goal: Model adaptation using online test data



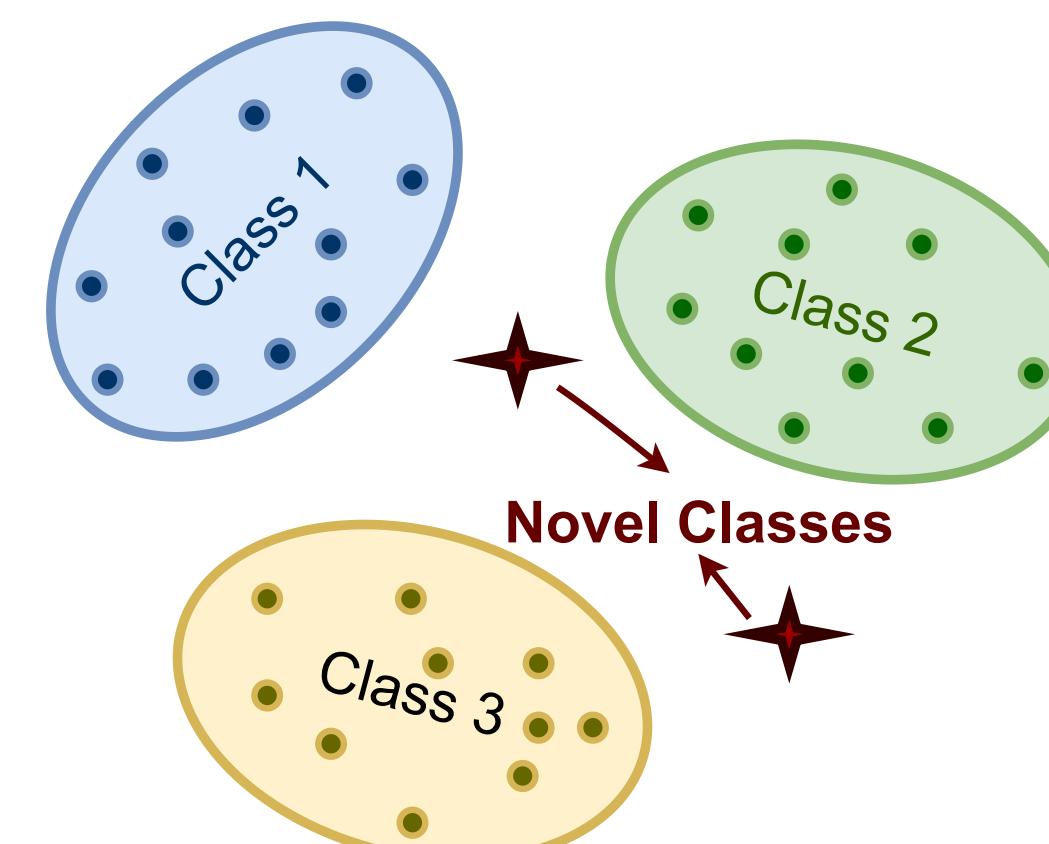
Few-Shot Class-Incremental Learning

Goal: Learning new classes with few number of samples



Novelty Detection

Goal: Identifying novel classes at test time



Zero-Shot Domain Generalization

Goal: Classify unseen classes from unseen domains

