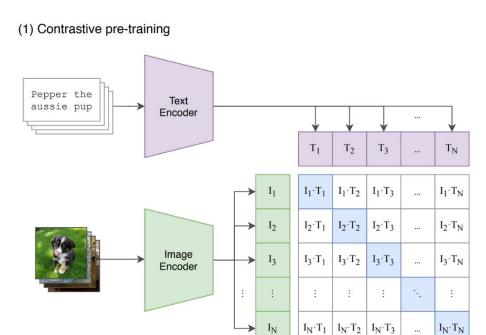
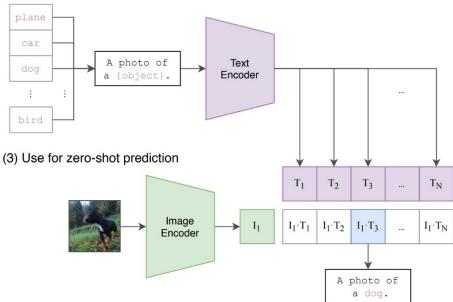
# OT3P: Optimal-Transport guided Test-Time Adaptation for Vision-Language Models

Yunbei Zhang, Janet Wang

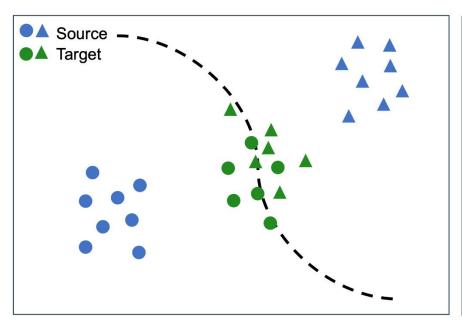
## Backgrounds

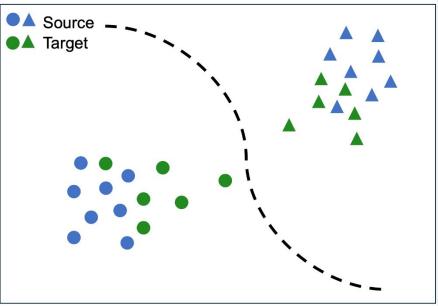


(2) Create dataset classifier from label text

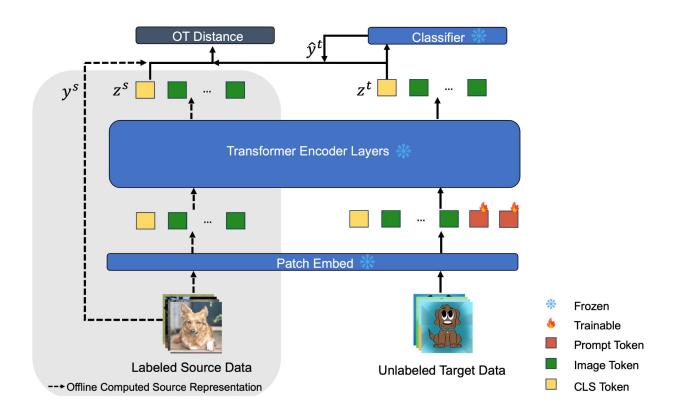


### Motivation





### Methods



# Results for Language Model

Our method improves the ERM performance	Model	Algorithm	SST	Yelp
Our mathed outperforms the SOTA		ERM	34.8	37.3
Our method outperforms the SOTA	BERT	Tent	41.2	43.5
		$OT^3P$	47.2	49.3
		ERM	35.1	36.3
	RoBERTa	Tent	46.7	41.5
		$OT^3P$	51.3	48.7
	-			

Algorithm	ImageNet V2	ImageNet Sketch	ImageNet A	ImageNet R	OOD Avg.
MaPLe	64.07	49.15	50.90	76.98	60.28
MaPLe+TPT	64.87	48.16	58.08	78.12	62.31
$\mathbf{O}\mathbf{T}^{3}\mathbf{P}$	65.29	50.23	59.37	79.33	63.55