

Prompt Learning with One-Shot Setting based Feature Space Analysis in Vision-and-Language Models

Supplementary Material

6. Detailed Accuracies for Each Dataset on Base-to-New

Here, we show the detailed accuracies of all 10 dataset on Base-to-New. All experiments are run by three times with different seed, and the averaged result is shown.

Table 6: Average results over three runs (1shot).

(a) Average over 11 datasets				(b) ImageNet				(c) Caltech101			
	Base	New	H		Base	New	H		Base	New	H
CoOp	71.58	73.24	68.75	CoOp	65.87	54.67	59.75	CoOp	96.43	92.40	94.37
CoCoOp	73.24	73.61	73.39	CoCoOp	74.43	69.63	72.20	CoCoOp	97.23	94.20	95.69
Ours	74.62	74.62	74.55	Ours	73.77	68.13	70.84	Ours	96.95	93.50	95.19
(d) OxfordPets				(e) StanfordCars				(f) Flowers102			
	Base	New	H		Base	New	H		Base	New	H
CoOp	90.87	95.23	93.00	CoOp	58.53	64.13	61.20	CoOp	85.53	63.90	73.15
CoCoOp	93.77	97.40	95.55	CoCoOp	65.93	74.23	69.83	CoCoOp	74.40	76.37	75.37
Ours	93.53	97.50	95.48	Ours	66.43	74.80	70.30	Ours	76.43	74.97	75.69
(g) Food101				(h) FGVC Aircraft				(i) SUN397			
	Base	New	H		Base	New	H		Base	New	H
CoOp	85.17	88.83	86.96	CoOp	26.10	25.03	25.55	CoOp	67.60	60.77	64.00
CoCoOp	89.33	90.43	89.88	CoCoOp	22.00	24.10	23.00	CoCoOp	73.97	76.50	75.19
Ours	89.13	90.77	89.94	Ours	30.37	32.63	31.46	Ours	73.10	74.93	74.00
(j) EuroSAT				(k) UCF101							
	Base	New	H		Base	New	H				
CoOp	65.83	51.37	57.71	CoOp	74.07	69.73	71.83				
CoCoOp	65.63	61.63	63.57	CoCoOp	75.73	71.63	73.62				
Ours	71.97	66.45	69.10	Ours	74.53	72.53	73.52				