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Repositório com códigos implementados: https://github.com/DougFelipe/ML_classification_cats_dogs

Raças do dataset: Bengal e Sphynx(Gatos) e Saint Bernard e Leonberger(Cachorros)

Resultados

IBK (k-NN)											
Base	Treinamento/t	1k	2k	3k	4k	5k	6k	7k	8k	9k	10k
Metodologia		Acc	Acc	Acc	Acc	Acc	Acc	Acc	Acc	Acc	Acc
HOG	10-fold CV	0.650	0.644	0.646	0.680	0.669	0.666	0.684	0.676	0.670	0.686
	70/30	0.629	0.646	0.613	0.667	0.654	0.625	0.629	0.654	0.625	0.662
	80/20	0.656	0.637	0.669	0.675	0.681	0.662	0.662	0.675	0.688	0.706
	90/ 10	0.637	0.625	0.662	0.688	0.700	0.662	0.637	0.637	0.637	0.750
HOG (20x20) 900 Att	10-fold CV	0.686	0.684	0.695	0.704	0.699	0.713	0.716	0.711	0.704	0.712
	70/30	0.600	0.692	0.650	0.671	0.675	0.692	0.662	0.675	0.637	0.662
	80/20	0.625	0.719	0.681	0.681	0.662	0.706	0.713	0.731	0.688	0.706
	90/ 10	0.625	0.713	0.688	0.750	0.700	0.725	0.700	0.738	0.675	0.738
PCA HOO (16x16)	10-fold CV	0.576	0.594	0.556	0.569	0.575	0.593	0.569	0.585	0.566	0.581
	70/30	0.529	0.571	0.483	0.554	0.542	0.567	0.542	0.554	0.521	0.546
	80/20	0.594	0.556	0.519	0.494	0.544	0.562	0.531	0.581	0.544	0.575
	90/ 10	0.525	0.500	0.450	0.438	0.463	0.425	0.475	0.500	0.487	0.500
VGG 16 (pooling max)	10-fold CV	0.551	0.577	0.569	0.589	0.579	0.584	0.586	0.601	0.605	0.601
	70/30	0.588	0.583	0.571	0.600	0.562	0.596	0.575	0.600	0.567	0.583
	80/20	0.581	0.537	0.562	0.588	0.556	0.606	0.600	0.613	0.588	0.569
	90/10	0.600	0.512	0.512	0.537	0.487	0.550	0.562	0.550	0.512	0.525
VGG 16 (pooling avg)	10-fold CV	0.581	0.593	0.584	0.595	0.567	0.599	0.581	0.596	0.596	0.596
	70/30	0.475	0.575	0.562	0.592	0.567	0.604	0.575	0.583	0.600	0.608
	80/20	0.512	0.544	0.581	0.619	0.581	0.613	0.594	0.631	0.594	0.606
	90/ 10	0.550	0.550	0.537	0.537	0.537	0.588	0.550	0.575	0.600	0.575
Média =>		0.589	0.603	0.590	0.611	0.600	0.617	0.607	0.623	0.605	0.624
Desv. Pad. =>		0.0534	0.0648	0.0711	0.0780	0.0734	0.0693	0.0659	0.0633	0.0615	0.0730

