Use of SCN features: Yes

Max learning objects: 200 objects/class Strategy N° 7

Actual Values

PA Selected Samples prediction using all regions training set, Learning with selected samples classes with no low global training instances, no extra training categories, No Calanoida (civ-vi), Cyclopoida, Zooplankton classes in learning set

Confusion Matrix – In percent of Actual Value

Classifica max 200 lear		
precision	recall	f1-score

										Confu	sion Λ	/latrix	– In	percer	nt of A	Actual	Value	•									1117	ldX
Cirripedia (larvae)	52%	<1%	<1%	11%	<1%	12%	<1%	<1%	2%	2%	<1%	<1%	2%	<1%	3%	1%	4%	<1%	<1%	4%		3%	<1%		<1%	2%	Cirripedia (larvae)	
Acartia spp.		16%	<1%		<1%			<1%				<1%		2%		<1%				3%	<1%	15%	8%				(n=3231-train=200) Acartia spp.	
Oikopleura spp.			61%	<1%	19%	2%	<1%	<1%	1%	<1%		<1%	<1%	<1%	2%	3%		<1%	<1%	<1%	1%	2%	<1%		<1%	1%	(n=2290-train=200)	
Podon/Pleopsis spp.			<1%	24%		26%	<1%	<1%	15%	2%		5%	2%	<1%	<1%	<1%	1%	2%	<1%	<1%		1%	<1%		<1%	5%	Oikopleura spp. (n=1773-train=200)	
Fritillaria spp.		2%	26%		44%	1%	4%	<1%	<1%			<1%	2%		5%	<1%				<1%	1%	12%			<1%	<1%	Podon/Pleopsis spp. (n=607-train=200)	
Evadne spp.	4%		<1%	5%		44%	<1%	<1%	8%	1%	<1%	<1%	15%		1%	<1%		8%				<1%			<1%	8%	Fritillaria spp. (n=475-train=200)	
Corycaeidae	<1%	6%	1%	2%		<1%	67%		9%			2%		1%		<1%			<1%	2%	<1%	2%	5%			<1%	Evadne spp. (n=358-train=200)	
Calanoida (ci-ciii)	11%	3%		8%		22%	11%	1%	9%			7%			9%							12%			2%	5%	Corycaeidae	
Paracalanus spp.		2%	<1%				<1%		56%			<1%		1%				1%		3%			34%				(n=335-train=200) Calanoida (ci-ciii)	
Gastropoda (larvae/Limacina)	2%			19%		12%			4%	49%	2%	2%	2%					<1%				3%			2%	2%	(n=150-train=200) Paracalanus spp.	
Bivalvia (larvae)				5%		1%				7%	73%		10%												1%	2%	(n=141-train=200)	
Polychaeta (larvae)	11%	5%		11%		15%	3%		8%	2%		12%			2%		3%	6%	5%			2%	15%		2%		Gastropoda (larvae/Limacina) (n=126-train=200)	
Hydrozoa (medusa)									4%				27%	2%		15%		49%	2%				2%				Bivalvia (larvae) (n=96-train=200)	
Centropages spp.		10%	2%				2%		4%					30%		2%			10%	18%			18%	4%			Polychaeta (larvae) (n=65-train=200)	
Echinodermata (larvae)				2%	2%	7%							71%			2%		7%	5%							2%	Hydrozoa (medusa) (n=55-train=200)	
Calycophorae (nectophore)					3%									5%		68%		5%	14%				5%				Centropages spp.	
Decapoda-brachyura (zoeae)		6%							3%					9%		3%	62%	3%	3%	6%			3%				(n=50-train=200) Echinodermata (larvae)	
Ctenophora (larvae)	3%			3%		3%							32%			3%		45%								10%	(n=42-train=200) Calycophorae (nectophore)	
Decapoda-non brachyura (larvae)						4%	4%							4%				8%	69%					12%			(n=37-train=200)	
Tortanus spp.														21%		12%			8%	54%		4%					Decapoda-brachyura (zoeae) (n=32-train=200)	
Ascidiacea (larvae)			26%		9%																65%						Ctenophora (larvae) (n=31-train=42)	
Oithona spp.		29%	6%		6%		6%												6%	6%	6%	35%					Decapoda-non brachyura (larvae) (n=26-train=200)	
Pseudocalanus spp.														470					14%				86%				Tortanus spp.	
Calanus spp.				250										17%					67%				17%		Γ004		(n=24-train=200) Ascidiacea (larvae)	
Copepoda (nauplii)	25%			25%								100%													50%		(n=23-train=200) Oithona spp.	
Bryozoa (larvae)	Ç _i	40.	O _i ,	Ø.	\$ ti	Ĉ.	G.	G,	<i>⊗</i>	Ç _o	S _i		\ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	G.	€ _C	G,	0	Ç.	0	To.	As-	O;	\(\sigma_{\infty}^{2} \)	G,	G.	S _r	(n=17-train=200)	
	Tipe	Acartic	. 1001 Do	Podon, leura SPP.	Pleon	in Eladno	Spp	Reidae Calant	Parace Oicil	Castro,	Doda Alvi	id (lap	Sacra (Centrol Too (medis	Chine Spp.	Oderno de la constitución	Dohor Cap	oda b.	Thora Cape	Oda n.	ys Spr	Oithold Red (land)	Spp.	Calanus Calanus	is Depo	Bryozod (nauplii)	Pseudocalanus spp. (n=7-train=200) Calanus spp. (n=6-train=200)	
		'ANDE	シ	1/2	Pleapsis !	~\n'' \n''	·	Ç	City		Birahla Nord	10/1:	Hydro Caro	le) ledus	(d) (d)	Colyco, Colyco	and (ne	Ctops	Decape Thora land land	101 bi	P. P.	(ANA)	Seudl Spp.	1115	~. }	Plin	Calanus spp. $(n=6-train=200)$	
												Macine	"				9	nore	(TORDE	V	SUFA (la	12					Copepoda (nauplii) (n=4-train=200)	
																						*e)					Bryozoa (larvae) (n=1-train=200)	
												Pı	redicte	d Valu	ies												macro 200	

(n=3231-train=200)	0.92	0.52	0.66	
Acartia spp. (n=2290-train=200)	0.82	0.16	0.27	
Oikopleura spp. (n=1773-train=200)	0.87	0.61	0.72	
Podon/Pleopsis spp. (n=607-train=200)	0.24	0.24	0.24	
Fritillaria spp. (n=475-train=200)	0.38	0.44	0.41	
Evadne spp. (n=358-train=200)	0.19	0.44	0.27	
Corycaeidae (n=335-train=200)	0.27	0.67	0.38	
Calanoida (ci-ciii) (n=150-train=200)	0.12	0.01	0.02	
Paracalanus spp. (n=141-train=200)	0.08	0.56	0.14	
Gastropoda (larvae/Limacina) (n=126-train=200)	0.38	0.49	0.43	
Bivalvia (larvae) (n=96-train=200)	0.89	0.73	0.80	
Polychaeta (larvae) (n=65-train=200)	0.09	0.12	0.11	
Hydrozoa (medusa) (n=55-train=200)	0.08	0.27	0.12	
Centropages spp. (n=50-train=200)	0.19	0.30	0.23	
Echinodermata (larvae) (n=42-train=200)	0.00	0.00	0.00	
Calycophorae (nectophore) (n=37-train=200)	0.16	0.68	0.26	
Decapoda-brachyura (zoeae) (n=32-train=200)	0.12	0.62	0.21	
Ctenophora (larvae) (n=31-train=42)	0.12	0.45	0.19	
apoda-non brachyura (larvae) (n=26-train=200)	0.33	0.69	0.44	
Tortanus spp. (n=24-train=200)	0.05	0.54	0.09	
Ascidiacea (larvae) (n=23-train=200)	0.34	0.65	0.45	
Oithona spp. (n=17-train=200)	0.01	0.35	0.02	
Pseudocalanus spp. (n=7-train=200)	0.02	0.86	0.04	
Calanus spp. (n=6-train=200)	0.00	0.00	0.00	
Copepoda (nauplii) (n=4-train=200)	0.04	0.50	0.08	
Bryozoa (larvae) (n=1-train=200)	0.00	0.00	0.00	
macro avg	0.26	0.42	0.25	
weighted avg	0.71	0.42	0.48	
	precision	recall	f1-score	

Actual discarded Taxa

Predictions of discarded taxa from training



