Use of SCN features: Yes

Actual Values

Max learning objects: 5000 objects/class Strategy N° 6

NL 2020 Selected Samples prediction using all regions training set, Learning with all classes present in the selected samples, with extra regional training categories, No Anthoathecata, Calanoida, Copepoda, Zooplankton classes in learning set

ma	Classification Report Matrix max 5000 learning objects per class											
	precision	recall	f1-score									
Temora spp. (n=18103-train=5000)	0.74	0.57	0.64									
Acartia spp. (n=13302-train=5000)	0.77	0.52	0.62									
Evadne spp. (n=5228-train=5000)	0.87	0.82	0.84									
Pseudocalanus spp. (n=3053-train=4845)	0.24	0.44	0.31									
Centropages spp. (n=330-train=3620)	0.19	0.88	0.31									
Podon/Pleopsis spp. (n=253-train=5000)	0.06	0.08	0.07		1.0							
Eurytemora spp. (n=178-train=1818)	0.05	0.58	0.09		1.0							
Gastropoda (larvae/Limacina) (n=112-train=3272)	0.46	0.61	0.53									
Oithona spp. (n=98-train=5000)	0.16	0.87	0.27									
Bivalvia (larvae) (n=92-train=3764)	0.90	0.89	0.90									
Oikopleura spp. (n=70-train=5000)	0.71	0.80	0.75		8.0							
Hydrozoa (medusa) (n=64-train=4052)	0.09	0.27	0.13									
Harpacticoida- epibenthic (n=50-train=555)	0.11	0.22	0.15									
Calanus spp. (n=25-train=359)	0.46	0.68	0.55									
Chaetognatha (n=15-train=89)	0.81	0.87	0.84									
Chiridius spp. (n=14-train=1)	0.00	0.00	0.00		0.6							
Aglantha spp. (medusa) (n=10-train=22)	0.56	0.50	0.53									
Fritillaria spp. (n=7-train=5000)	0.07	0.57	0.12									
Echinodermata (larvae) (n=5-train=3043)	0.00	0.00	0.00									
Metridia spp. (n=2-train=16)	0.00	0.00	0.00		0.4							
Decapoda-non brachyura (larvae) (n=2-train=423)	0.04	1.00	0.07									
Cnidaria (larvae) (n=2-train=25)	0.00	0.00	0.00									
Obelia spp. (medusa) (n=1-train=1003)	0.01	1.00	0.02									
Polychaeta (larvae) (n=1-train=1577)	0.00	0.00	0.00									
Amphipoda (n=1-train=27)	0.00	0.00	0.00		0.2							
Tomopteris spp. (n=1-train=1)	0.00	0.00	0.00									
Bryozoa (larvae) (n=0-train=1142)	-	-	-									
Calanoida (ci-ciii) (n=0-train=5000)	-	-	-									
Cirripedia (larvae) (n=0-train=5000)	-	_	-									
Copepoda (nauplii) (n=0-train=5000)	_	_	_		0.0							
Microcalanus spp. (n=0-train=80)	_	_	_									
Euphausiacea (larvae) (n=0-train=87)	_	_	-									
Euphausiacea (nauplii) (n=0-train=145)	-	-	-									
macro avg (corr)	0.28	0.47	0.30									
wolahtad ava	0.71	0.58	0.62									

weighted avg

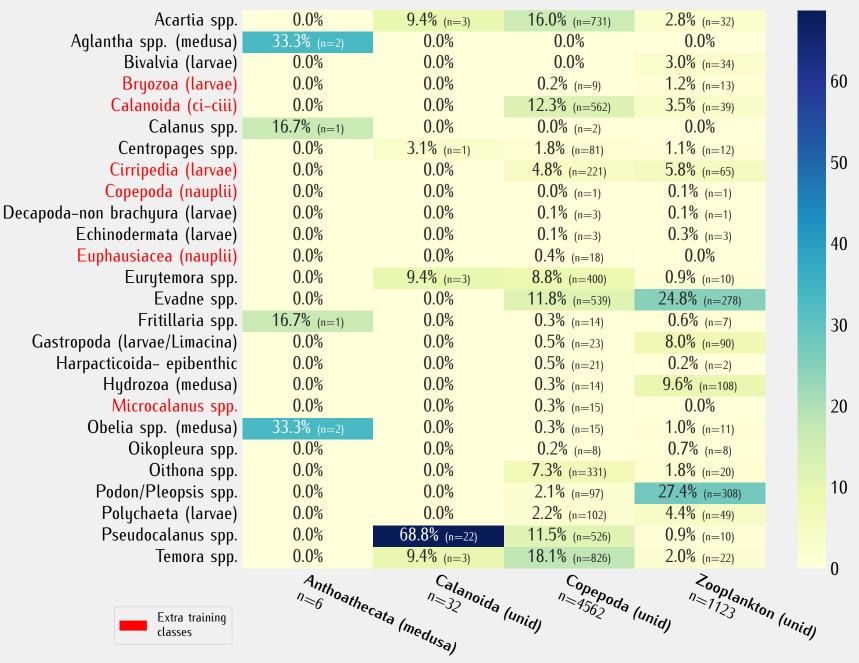
0.58

precision recall f1-score

0.62

ategy in 0																														
												Cor	nfusio	on M	latri	x – Ir	n per	cent	t of Ac	tual Val	ue									
Temora spp.	57%	9%	3%	16%	2%	<1%	6%	<1%	<1%			<1%	<1%					<1%		<1%	<1%	<1%	<	<1%	4%	1%	<1% <1%	ó	<1%	
Acartia spp.	20%	52%	<1%	10%	5%	<1%	5%		2%		<1%	<1%	<1%					<1%			<1%	<1%			2%	1%	<1º	<1%	<1%	
Evadne spp.	<1%	<1%	82%	<1%		5%	<1%	1%	<1%	<1%		3%	<1%						<1%		<1%	<1%	<	<1%	<1%	4%	<1%	ó		
Pseudocalanus spp.	27%	14%	<1%	44%	6%		6%		<1%				<1%	<1%						<1%	<1%	<1%			2%	<1%	<1%	б	<1%	
Centropages spp.	7%	3%		<1%	88%									<1%						<1%	<1%	ó				<1%				
Podon/Pleopsis spp.	29%	<1%	11%	4%		8%	2%					<1%								11%	3%	21%			3%	8%	<1%	ó		
Eurytemora spp.	6%	16%	3%	1%	<1%		58%		3%												<1%	ó			10%	2%				
Gastropoda (larvae/Limacina)			<1%	i i		21%		61%		7%		5%										4%			<1%					
Oithona spp.		6%					1%		87%									2%	1%						1%	2%				
Bivalvia (larvae)								9%		89%		2%																		
Oikopleura spp.	1%				1%						80%			3%	4%			6%		4%										
Hydrozoa (medusa)	3%		5%		2%							27%		6%			6%	2%		3%	42%	3%			2%					
Harpacticoida- epibenthic	8%	24%		34%	2%		8%						22%												2%					
Calanus spp.					4%									68%						28%										
Chaetognatha				7%							7%				87%															
Chiridius spp.	7%			43%										43%						7%										
Aglantha spp. (medusa)												10%		30%			50%				10%									
Fritillaria spp.		14%									14%							57%	14%											
Echinodermata (larvae)						20%					20%		20%					20%								20%				
Metridia spp.				50%										50%																
Decapoda–non brachyura (larvae)																				100%										
Cnidaria (larvae)	50%																								50%					
Obelia spp. (medusa)																					1009	ó								
Polychaeta (larvae)				100%																										
Amphipoda														100%																
Tomopteris spp.											100%		,					•												
	l'emo	Acar		Prospo.	idoca i	TODO OCO	Cury.	Temo Cast	TOPON	Biralla Spp.	Oitople (lange	Ley.	otos de la constante de la con	Ctic Olan	Charles of	Chirid	Aglan,	Pritile	drie Chinode	Netridia Capo	Chidaria 1		Anphipodo (ned. lang	Styote	Calan	Cirripe	Cope Pode	Tocale Cupi	Cuphaus	y.
		70.	70.	one Spp.	Tan	Podlo Is Spp.	500. 1000.	Castle Moral Sis Sp.	Op. Co	Bidhe Sp. Jarae/lim	(ANA)		Harpe Ob.	dusa	D).	Chirid Chiride The Chiride Chi	5/10	Sp	Chinode (medusa)	Metridia Spp.	Chidaria (la. non brach	rae,	Amphipodo (nedusa)	. 200	Calan Calano	Cirripe pida (ci.	Copepoda (lanae)	rocalanus (nauplii)	Suphaus Spp. (Le	iaced (nauplii)
						λ.		.20		lin	dein			J	'OR!	Phic			(IISA)	Vae)	*0/,	144 (1.						9		de Plij
											9)											· Q/	de,						Extr	
															F	Predic	ted V	/alue	S										trair class	ing ses

Predictions of discarded taxa from training



Predicted Taxa

Actual discarded Taxa

Relative Abundance of Top Taxonomic Instances per Sample Val Pred 1.0 -0.8 -Relative Abundance 0.4 0.2 -0.0

S25

Sample Short ID

S26

S27

S28

S29

S30

S21

S22

S23

S24

