Use of SCN features: No Max learning objects: Maximum objects/class Strategy N° 5

Actual Values

NL 2021 Selected Samples prediction using all regions training set, Learning with all classes present in the selected samples, no extra training categories, No Calanoida (civ-vi), Cyclopoida, Zooplankton classes in learning set

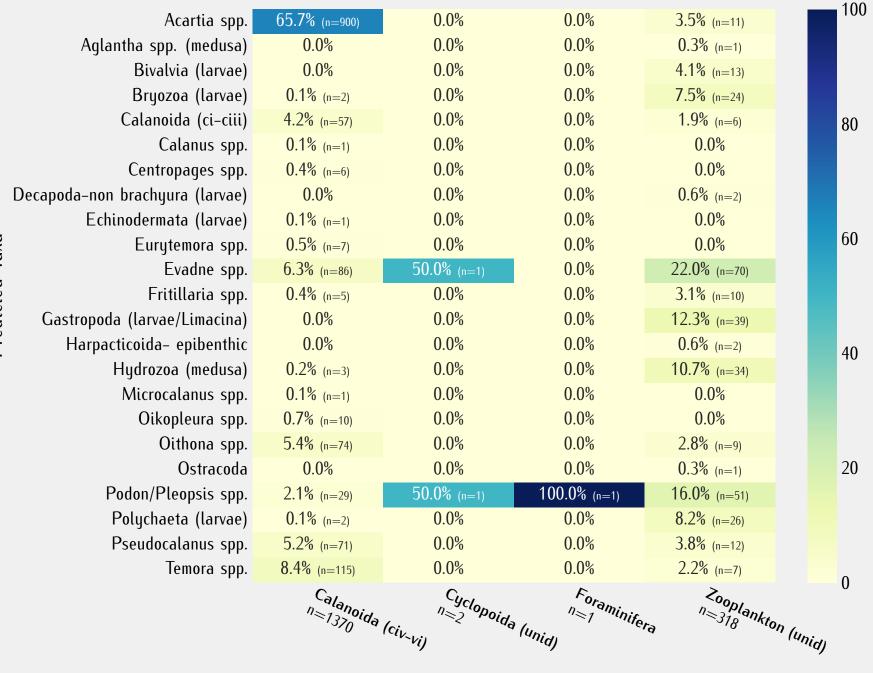
33										Co	nfusio	on M	atrix	– In _I	perce	nt of	Actu	al Va	lue							
Acartia spp.	95%	<1%	2%	<1%	<1%		<1%	<1%	<1%	<1%						<1%	<1%				<1%					
Evadne spp.	<1%	89%	<1%		<1%	<1%	4%	<1%			<1%	2%	4%	<1%	<1%				<1%						<1%	
Temora spp.	35%	2%	50%	4%	<1%	<1%	<1%	4%		2%			<1%						<1%		<1%					
Pseudocalanus spp.	46%		9%	39%				2%		2%										<1%	<1%				<1%	
Oithona spp.	26%	<1%	<1%		69%			1%	<1%		<1%					1%										
Bryozoa (larvae)		25%	<1%		1%	56%	2%	2%			2%		9%	<1%		<1%			<1%							
Podon/Pleopsis spp.	8%	13%	26%	<1%		<1%	34%	1%	<1%	<1%			<1%						10%						5%	
Calanoida (ci-ciii)	31%	12%	16%	4%	4%		14%	14%		2%							<1%		2%	<1%					<1%	
Oikopleura spp.	2%		3%	2%	<1%				77%		<1%					8%		2%							6%	
Centropages spp.	19%		5%	1%						68%										1%				5%	1%	
Echinodermata (larvae)	12%				8%		2%		6%		16%		4%			48%			2%						2%	
Gastropoda (larvae/Limacina)		2%					6%					62%	4%		13%				13%							
Hydrozoa (medusa)		2%				6%	4%	2%			4%		47%			15%			6%	2%		6%			4%	
Harpacticoida- epibenthic	77%	2%	4%		2%			4%						6%							4%					
Bivalvia (larvae)						7%	7%					7%	5%		70%				5%							
Fritillaria spp.	9%				6%				29%							56%										
Microcalanus spp.	23%	10%	10%	6%			23%	16%									10%		3%							
Chaetognatha									32%									61%	4%	4%						
Polychaeta (larvae)	5%	10%	5%	5%			5%					5%		5%					55%						5%	
Calanus spp.				7%						7%										79%					7%	
Eurytemora spp.			10%	20%																	10%					
Aglantha spp. (medusa)									11%				22%									56%	11%			
Oncaeidae spp.																										
Sarsia spp. (medusa)													50%			25%							25%			
Ostracoda						100%																		F01		
Tortanus spp.																								50%		
Monstrillidae	100%																			100%						
Decapoda–non brachyura (larvae)	4-	♦	<i>></i>	<i>∧</i>	O.·	S.	A	C	O.	C	^	C	4	4	<i>S</i> .	<u>^</u>	11.	C_{ℓ}	D ₂	100%	♦	40 O	5. (2	40	
	Carl	\$\langle \chi_0 \langle \chi_0 \lang	Icho, Spp.	PSelle Pp.	Oitho Oitho	Bryo.	Podol larva	n Pleopsis	Oikopo	Chtra Spp.	Chin Dages St.	Castro Odermata	Sporta (lande)	Pool medin	Toticoida (USA)	Pitille Chinage	Microsopp.	Chaen St.	Olyc _i Ogn _{atha} Do	Calanti haeta (lan	Spp.	Aglantha Spp.	Sarsia Sp.	Stracoda (Medusa)	Monstrillidge	Poda Pon
														10	cina)	'Ul	ic						y			
													Pre	edicte	d Val	ues										

Classification Report Matrix

max	available learning objects per c								
	precision	recall	f1-score						
Acartia spp. (n=2490-train=111319)	0.66	0.95	0.78						
Evadne spp. (n=1931-train=11064)	0.91	0.89	0.90						
Temora spp. (n=1416-train=7347)	0.74	0.50	0.60						
Pseudocalanus spp. (n=1044-train=4845)	0.81	0.39	0.53						
Oithona spp. (n=345-train=5881)	0.85	0.69	0.76						
Bryozoa (larvae) (n=248-train=1142)	0.89	0.56	0.69						
Podon/Pleopsis spp. (n=230-train=7347)	0.39	0.34	0.36						
Calanoida (ci-ciii) (n=130-train=5557)	0.15	0.14	0.15						
Oikopleura spp. (n=115-train=5305)	0.77	0.77	0.77						
Centropages spp. (n=88-train=3620)	0.46	0.68	0.55						
Echinodermata (larvae) (n=50-train=3043)	0.40	0.16	0.23						
Gastropoda (larvae/Limacina) (n=47-train=3272)	0.45	0.62	0.52						
Hydrozoa (medusa) (n=47-train=4052)	0.17	0.47	0.25						
Harpacticoida- epibenthic (n=47-train=555)	0.50	0.06	0.11						
Bivalvia (larvae) (n=44-train=3764)	0.79	0.70	0.75						
Fritillaria spp. (n=34-train=6992)	0.26	0.56	0.36						
Microcalanus spp. (n=31-train=80)	0.50	0.10	0.16						
Chaetognatha (n=28-train=89)	0.89	0.61	0.72						
Polychaeta (larvae) (n=20-train=1577)	0.20	0.55	0.30						
Calanus spp. (n=14-train=359)	0.61	0.79	0.69						
Eurytemora spp. (n=10-train=1818)	0.04	0.10	0.06						
Aglantha spp. (medusa) (n=9-train=22)	0.62	0.56	0.59						
Oncaeidae spp. (n=6-train=18)	0.00	0.00	0.00						
Sarsia spp. (medusa) (n=4-train=4)	0.50	0.25	0.33						
Ostracoda (n=2-train=25)	0.00	0.00	0.00						
Tortanus spp. (n=2-train=203)	0.20	0.50	0.29						
Monstrillidae (n=1-train=27)	0.00	0.00	0.00						
ecapoda-non brachyura (larvae) (n=1-train=423)	0.00	0.00	0.00						
macro avg	0.46	0.43	0.41						
weighted avg	0.74	0.71	0.70						

precision recall f1-score

Predictions of discarded taxa from training



Actual discarded Taxa

