Use of SCN features: Yes

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

Actual Values

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

Confusion Matrix In normant of Actual Value

Classification Report Matrix max available learning objects per class

precision recall f1-score

Mortanty W 1													Confus	sion M	Matrix	– In p	percent	of Actual	. Value					ma	x available	learning o	objects per o	class
Published Publ																1										recall	f1-score	
Campine into 1	Acartia spp.	69%	<	<1% <	<1% 1	7%	5%	2% <	<1%	<	.1% <1	1% <1%	<1% <1	<15	8 < 1% <	<1% 29	½ <1%	<1%	<1% <1% <19	% <	1% <	1%	<1%	(n=18062-train=111319)	0.97	0.69	0.81	
Plate Plat	Bivalvia (larvae)	g	93%	1% <	<1% <	<1%	<1%	<1% <	<1% 3	3%	<1	1% <1%	<1%		<1%	<1	1% <1%		<1% <19	%				Bivalvia (larvae) (n=7955-train=3764	0.97	0.93	0.95	
Control Property of Part P	Copepoda (nauplii)		1% 9)4%	1% <	<1%	<1%	<1%	<	(1%	<1	1% <1%			1%		1%		<1% <19	%				Copepoda (nauplii	0.76	0.94	0.84	
Manual Paris	Podon/Pleopsis spp.	<1%	4% 1	14%	68% <	<1%	<1%	<1%	<1% 8	8% <	1% 29	% <1%				19	% <1%		<19	%			<1%	Podon/Pleopsis spp	0.82	0.68	0.74	
Part	Oithona spp.	4%	<	<1% <	<1% 8	80%	4%	4%			<1	1% <1%	19	6	2%	19	% 2%		1% <19	%				Oithona spp	. 0.26		_	
Personal manuscript of the content o	Calanoida (ci-ciii)	4%	2	4%	4% 1	6%	32%	12%	<	(1%	29	% <1%	19	8	3%	13	3% 6%		1% <19	%	<	1%		(n=2572-train=5881)) 0.50			
Mary control of the	Pseudodiaptomus spp.	8%	2	2% <	<1% 1	9%	6%	54%	<	(1%	<1	1% <1%	<1	1%	<1%	39	% 5%				<	1%	<1%	(n=1348-train=5557)	0.27			
Part	Hydrozoa (medusa)	3%	3% <	<1%	7% <	<1% <	<1%	6	68% 5	5% <	(1% <1	1% <1%			<1% <	<1% 89	% <1%	<1%	1%		<1%			(n=1059-train=2113)) 0.13	0.54	0.48	
Ministry	Gastropoda (larvae/Limacina)	<1% 1	13%	9% 1	1% <	<1% <	<1%		1% 6	3%	<1	1% <1%				<1	1% <1%							(n=671-train=4052)) 0.00	0.68	0.77	
Physical playage playage 14 24 24 24 24 24 24 24	Temora spp.	9%		3% <	<1%	5%	7%	17%		2	9%	2%		1%	<1%	11	1% 5%	7%			2	2%	<1%			0.63	0.50	
Additional floward of the properties of the prop	Bryozoa (larvae)	<	<1% 2	26% 2	26% <	<1% <	<1%		8	3% <	136	3% 1%					<1%		<1%					Temora spp	. 0.51	0.29	0.37	
Actification (private) 2	Polychaeta (larvae)	<1%	2	24%	7% <	<1% <	<1%	2%	<	(1% <	(1% <1	1% 38%			3%	69	% 15%		<1% <1% <1%	% <	1% <1%			Bryozoa (larvae)	0.40	0.36	0.38	
Harpestowies soluminis (% 1/4) 1/4	Ascidiacea (larvae)	2%				3%	<	<1%				2%	91%						<1% <1% 1%	ó				Polychaeta (larvae	0.64			
Centropics up 15	Harpacticoida- epibenthic	6%	(6%	4	10%	12%	12%		<	(1% 29	% <1%	12	2%	2%	29	% <1%	<1%	3%					(n=237-train=1577))			
Echinodemus (Lense 1	Centropages spp.	64%			1	6%	7%			5	5%			9%										(n=194-train=861)	0.99			
Obela sp. (refunds 5,			8	8% 1	1%			3%								22	2% 32%							(n=108-train=555)) 0.12	0.12	0.12	
Examination Composite (larener) Compos	` ,					9%			5%										5%							0.09	0.07	
Cut pedia (larary 1									6%							75	5% 12%							Echinodermata (larvae) (n=37-train=3043)	0.03	0.24	0.06	
Production of the production			4	14%						5%					6%		44%									0.19	0.27	
Present Calanta Sap. 20	·				8	8%													23% 69%	%				Evadne spp	. 0.01	0.75	0.03	
Carlotaria (larvae)	J									1	4%							29%						Cirripedia (larvae) 0.01	0.44	0.03	
Decapoda-man brachqura (larves) Company			2	29% 2	29%		14%										29%							Chaetognatha)			
Fittillatia spp.	· · ·																		100%					Pseudocalanus spp	. 0.03			
Okapleura spp. Okap	•																			%				(n=7-train=4845)) 0.03			
Company Comp																								(n=7-train=25)) 0.00	0.00	0.00	
Decapoda-brachyura (zoeae) Osterinthyes (larvaer) Osterinthyes (larv														509	8				50%					(n=4-train=423)) 0.57	1.00	0.73	
Osterchtluges (larvae)														301					300				100%	Fritillaria spp (n=3-train=6992)	0.02	0.67	0.03	
Ostracodu																			100)%			1000	Oikopleura spp	. 0.00	0.00	0.00	
Paracalanus spp. 1005 Microsetella spp. Eurytemora spp. 1005 Eurytemora spp. 1005 Perdicted Values Decapoda-brackyura (zoeae) (n=1-train=25) 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	5 , , ,								10	00%									1002					Monstrillidae	0.00	0.00	0.00	
Microsetella spp. Eurytemora spp. 100									10	JU ² 0														Decapoda-brachyura (zoeae)) 0.00			
Eurytemora spp. Eurytemora spp. Contracted to the property of the property																	100%							Osteichthyes (larvae))			
Calculate Sp. Calculate Sp	•																100%	100%						(n=1-train=45)	0.00			
Predicted Values training classes Tortanus spp. (n=0-train=203) macro avg (corr) 0.30 0.37 0.30			A		<i>∧</i>	0		\triangleright	<i>L</i> , <i>i</i>	\sim	<i>></i>	Δ ¢	1		^	0. 4). 1.		\	\(\tag{ } \)	(n=1-train=25)) 0.00			
Predicted Values training classes Tortanus spp. (n=0-train=203) macro avg (corr) 0.30 0.37 0.30		Cartia	ivalvio	Opepo	odon	ithon,	dano	Selido	14dros	'ds trop	c mora	Tyozo Olyc	ha Cidia	PACY.	Thop Chino	Jolia .	adno irripe	naeton Seudo.	nidaria ecapor ritillari	Kople, Jonstri	ecapor Steicher, aco.	aracal Mich	rosex danus abidoc anus	(n=1-train=1619)) 0.00	0.00	0.00	
Predicted Values training classes Tortanus spp. (n=0-train=203) macro avg (corr) 0.30 0.37 0.30		,	1/2	(larvar	A May.	Copsi		10/01/	Aptom.	med.	10 /b	is Clan	To lar	/lan	ida des s	Crmata	O SPD.	lan Matha	Vanus Clara non	500 SOD	idae de brace (1	a drus	Sola Sola Sola Sola Sola Sola Sola Sola	Microsetella spp (n=1-train=4)	0.00	0.00	0.00	
Predicted Values training classes Tortanus spp. (n=0-train=203) macro avg (corr) 0.30 0.37 0.30				9	, 10	(ii)	500	΄,	(i) (h	500	la) Ja	Clin	y Vac	2 PS	Piben		mae, collisal	30)	Spp. (c) brai	Chy,	Mylita (raej		Eurytemora spp	0.00	0.00	0.00	
Predicted Values training classes (n=0-train=493) Tortanus spp. (n=0-train=203)												"Acina,	,			ric	9			"Ta (lan	10	a _o		Calanus spp	•	_	_	
Predicted Values Tortanus spp. (n=0-train=203) macro avg (corr) 0.30 0.37 0.30																				de	/			Labidocera spp	•	_	_	
(n=0-train=203) macro avg (corr) 0.30 0.37 0.30															Pr	edicted	d Values	S					traini	ng (n=0-train=493) es Tortanus spp	•			
																								(n=0-train=203))	-		
weighted avg 0.84 0.74 0.77																												
																								weighted avg	0.84			

Predictions of discarded taxa from training

Acartia spp.	9.0% (n=696)	0.0%	0.0%	30
Ascidiacea (larvae)	0.0%	0.0%	0.1% (n=2)	30
Bivalvia (larvae)	0.0% (n=2)	0.0%	31.1% (n=566)	
Bryozoa (larvae)	1.8% (n=141)	13.0% (n=3)	4.7% (n=86)	
Calanoida (ci-ciii)	27.0% (n=2079)	0.0%	1.2% (n=22)	25
Cirripedia (larvae)	5.2% (n=399)	4.3% (n=1)	1.9% (n=34)	
Copepoda (nauplii)	5.6% (n=429)	17.4% (n=4)	25.9% (n=472)	
Echinodermata (larvae)	4.0% (n=305)	4.3% (n=1)	0.9% (n=17)	
Eurytemora spp.	0.0%~(n=1)	0.0%	0.0%	20
Evadne spp.	8.8% (n=681)	4.3% (n=1)	1.4% (n=26)	
Fritillaria spp.	0.9% (n=71)	4.3% (n=1)	0.4% (n=8)	
Gastropoda (larvae/Limacina)	0.6% (n=43)	0.0%	12.8% (n=234)	15
Harpacticoida- epibenthic	0.9% (n=67)	17.4% (n=4)	0.0%	15
Hydrozoa (medusa)	0.1% (n=5)	0.0%	1.5% (n=27)	
Obelia spp. (medusa)	0.0% (n=1)	0.0%	0.0%	
Oikopleura spp.	0.3% (n=22)	0.0%	0.3% (n=6)	10
Oithona spp.	16.8% (n=1293)	4.3% (n=1)	0.4% (n=8)	
Paracalanus spp.	0.2% (n=19)	0.0%	0.0%	
Podon/Pleopsis spp.	3.2% (n=244)	4.3% (n=1)	15.8% (n=287)	
Polychaeta (larvae)	0.7% (n=53)	4.3% (n=1)	0.9% (n=17)	5
Pseudocalanus spp.	0.1% (n=4)	0.0%	0.0%	
Pseudodiaptomus spp.	14.9% (n=1149)	21.7% (n=5)	0.5% (n=9)	
Temora spp.	0.1% (n=7)	0.0%	0.1% (n=1)	0
	Calanoida (uni	Cyclopoida (u	Zooplankton (un)	id)
	Ascidiacea (larvae) Bivalvia (larvae) Bryozoa (larvae) Calanoida (ci-ciii) Cirripedia (larvae) Copepoda (nauplii) Echinodermata (larvae) Eurytemora spp. Evadne spp. Fritillaria spp. Fritillaria spp. Gastropoda (larvae/Limacina) Harpacticoida- epibenthic Hydrozoa (medusa) Obelia spp. (medusa) Oikopleura spp. Oithona spp. Paracalanus spp. Podon/Pleopsis spp. Polychaeta (larvae) Pseudocalanus spp. Pseudocalanus spp.	Ascidiacea (larvae) Bivalvia (larvae) Bryozoa (larvae) Calanoida (ci-ciii) Cirripedia (larvae) Copepoda (nauplii) Echinodermata (larvae) Evadne spp. Fritillaria spp. Castropoda (larvae/Limacina) Harpacticoida- epibenthic Hydrozoa (medusa) Obelia spp. (medusa) Obelia spp. (medusa) Obelia spp. (medusa) Obelia spp. (medusa) Oithona spp. Paracalanus spp. Oo'thona spp. Podon/Pleopsis spp. Polychaeta (larvae) Pseudodiaptomus spp. Temora spp. O1.0% (n=1) O1.0% (n=1) O2% (n=19) O2% (n=19) O2% (n=19) O2% (n=19) O1% (n=53) O1% (n=53) O1% (n=53) O1% (n=4) O1% (n=5) O1% (n=19) O1% (n=19) O1% (n=10)	Ascidiacea (larvae) Bivalvia (larvae) Bivalvia (larvae) Bryozoa (larvae) Calanoida (ci-ciii) Cirripedia (larvae) Copepoda (nauplii) Echinodermata (larvae) Eurytemora spp. Castropoda (larvae/Limacina) Harpacticoida- epibenthic Hydrozoa (medusa) Obelia spp. (medusa) Obelia spp. (medusa) Oikopleura spp. Oikopleura spp	Ascidiacea (larvae) 0.0% 0.0% 0.1% (n-2) Bivalvia (larvae) 0.0% (n-2) 0.0% 31.1% (n-560) Bryozoa (larvae) 1.8% (n-141) 13.0% (n-3) 4.7% (n-86) Calanoida (ci-ciii) 27.0% (n-2079) 0.0% 1.2% (n-22) Cirripedia (larvae) 5.2% (n-399) 4.3% (n-1) 1.9% (n-34) Copepoda (nauplii) 5.6% (n-429) 17.4% (n-4) 25.9% (n-472) Echinodermata (larvae) 4.0% (n-305) 4.3% (n-1) 0.9% (n-17) Eurytemora spp. 0.0% (n-11) 0.0% 0.0% Evadne spp. 8.8% (n-681) 4.3% (n-1) 1.4% (n-26) Fritillaria spp. 0.9% (n-71) 4.3% (n-1) 0.4% (n-8) Gastropoda (larvae/Limacina) 0.6% (n-43) 0.0% 12.8% (n-234) Harpacticoida- epibenthic 0.9% (n-67) 17.4% (n-4) 0.0% Hydrozoa (medusa) 0.1% (n-5) 0.0% 1.5% (n-27) Obelia spp. (medusa) 0.0% (n-11) 0.0% 0.0% Oikopleura spp. 0.3% (n-22) 0.0% 0.3% (n-6) Oithona spp. 16.8% (n-1293) 4.3% (n-1) 0.4% (n-8) Paracalanus spp. 0.2% (n-19) 0.0% 0.0% Podon/Pleopsis spp. 3.2% (n-244) 4.3% (n-1) 15.8% (n-287) Polychaeta (larvae) 0.7% (n-53) 4.3% (n-1) 0.9% (n-17) Pseudocalanus spp. 0.1% (n-4) 0.0% 0.0% Pseudodiaptomus spp. 14.9% (n-1149) 21.7% (n-5) 0.5% (n-9) Temora spp. 0.1% (n-7) 0.0% 0.1% (n-1)

Actual discarded Taxa

Relative Abundance of Top Taxonomic Instances per Sample



