Use of SCN features: No

Max learning objects: 20000 objects/class Strategy N° 2

Actual Values

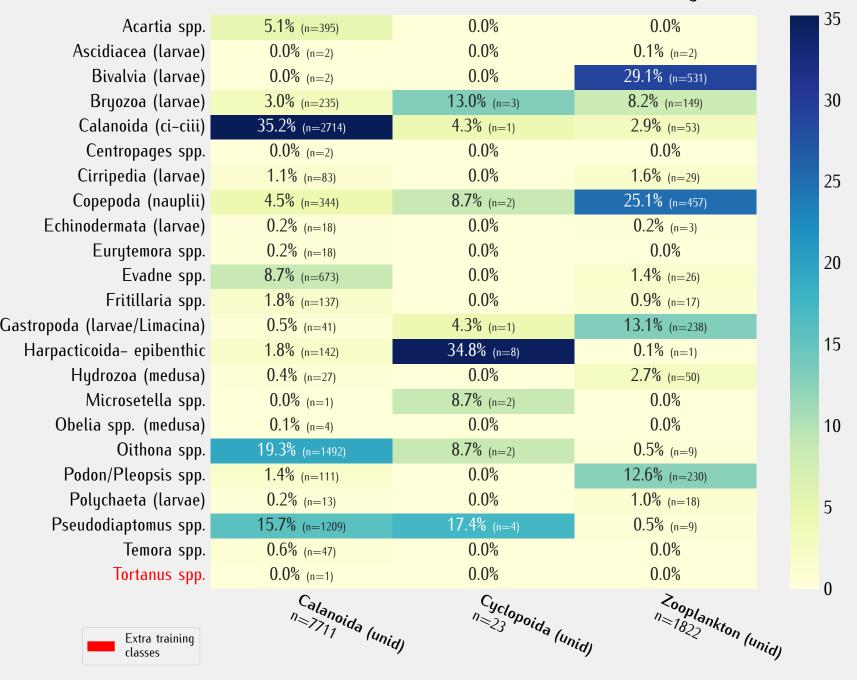
Gulf Selected Samples prediction using Gulf training set, Learning with all classes present in the selected samples, with extra training categories, No Calanoida, Cyclopoida, Zooplankton classes in learning set

Classi	fication R	eport M	latrix
max 20000	learning	objects	per class

precision recall f1-score

Confusion Matrix – In percent of Actual Value											m	ects per cla	SS														
												•												precision	recall	f1-score	
Acartia spp.	57%	<1% <	(1%) 24%	6 5%	4%	<1% <1%	6 2% <1	% <1%	<1%	1% 2% <1%	<1%	3% <1%	<	(1%	<1% <	1%	<1%		<1%	2%	<1% <1% <	<1%	Acartia spp (n=18062-train=20000)	0.99	0.57	0.73	
Bivalvia (larvae)	93	3% 1% <	<1% <19	% <1%	<1%	<1% 4%	<1	% <1%	<1%		<	<1% <1%			<	1%							Bivalvia (larvae) (n=7955-train=3574)		0.93	0.95	
Copepoda (nauplii)	1	% 94% 1	1% <19	% 1%	<1%	<1%	<1	% <1%		<1%	<	<1% <1%			<	1%							Copepoda (nauplii) (n=2753-train=10297)		0.94	0.86	
Podon/Pleopsis spp.	<1% 3	% 13% 6	6% <19	% <1%	<1%	2% 8%	<1% 3%	<1%	<	1% <1%		2% 1%			<1% <	1%				<1%			Podon/Pleopsis spp	0.87	0.66	0.75	
Oithona spp.	1%	<1% <	(1% 82%	7%	4%		<1% <1	%	<1% 2	2% <1%		1% <1%			15	%							(n=2715-train=3541) Oithona spp	0.20	0.82	0.44	
Calanoida (ci-ciii)	1%	4% 2	2% 16%	41%	13%	<1% <1%	6 3%	ó	4	<1%		13% 2%			<	1%							(n=2572-train=4428) Calanoida (ci-ciii)	0.21	0.41	0.35	
Pseudodiaptomus spp.	3%	2%	18%	6 11%	58%	<1%	<1% <1%	%	2	2%		3% <1%								<1%			(n=1348-train=1531) Pseudodiaptomus spp				1.0
Hydrozoa (medusa)	2% 2	% 6	6% 1%		<1%	72% 7%	<1% <1	%		<1% <1%	2%	6% <1%			<	1%				<1%			(n=1059-train=2113) Hydrozoa (medusa)	0.55	0.58	0.44	
Gastropoda (larvae/Limacina)	<1% 13	3% 8% 1	0% <19	% <1%	ó	2% 66%	<1	%			<	<1% <1%											(n=671-train=3730)	0.70	0.72	0.74	
Temora spp.	5%	2% <	1% 5%	8%	16%	<1%	35% 2%	ó	<	1% 7% <1%		14% <1%	<	(1% < 1%			<1%		<1%	3%	<1%		Gastropoda (larvae/Limacina) (n=629-train=2871)	0.59	0.66	0.49	
Bryozoa (larvae)	<	1% 23% 1	5% <19	% <1%	á	9%	<1% 50	% <1%				<1%			<	1%							Temora spp (n=308-train=2199)	0.24	0.35	0.29	
Polychaeta (larvae)	<1%	19% 5	5% <19	% 5%	3%	2%	<1	% 45%			<1%	11% 2%			<1% 25	%	<1% <	1%					Bryozoa (larvae) (n=247-train=973)	0.36	0.50	0.42	0.0
Ascidiacea (larvae)	1%		3%		1%				92%						15	%	2	%					Polychaeta (larvae) (n=237-train=464)	0.02	0.45	0.58	0.8
Harpacticoida- epibenthic	4%	4%	35%	6 14%	9%		3% 2%	ó	2	1%		2%			<1% 59	%				<1%			Ascidiacea (larvae)	0.04	0.92	0.93	
Centropages spp.	39%		32%	б	2%		9%			14%										5%			(n=194-train=805) Harpacticoida- epibenthic	0.00	0.21	0.12	
Echinodermata (larvae)		11% 8	3%	30%						5%		30% 8%			35	%						3%	(n=108-train=372) Centropages spp		0.14	0.03	
Obelia spp. (medusa)	5%		14%	б		10%			5	5%	33%	33%											(n=44-train=3461) Echinodermata (larvae)	0.02			
Evadne spp.					6%	6%						81% 6%											(n=37-train=118) Obelia spp. (medusa)	0.09	0.05	0.07	0.6
Cirripedia (larvae)		50%		6%		6%				6%		31%											(n=21-train=952)	0.10	0.33	0.22	
Chaetognatha	8%		8%						23%				15%		23	8%	15	5%					Evadne spp (n=16-train=7238)	0.01	0.81	0.03	
Pseudocalanus spp.	43%				14%		29%			14%													Cirripedia (larvae) (n=16-train=716)		0.31	0.07	
Cnidaria (larvae)		29%		43%		14%	í							14%									Chaetognatha (n=13-train=18)	1.00	0.15	0.27	
Decapoda-non brachyura (larvae)															50%		25	5%			25%		Pseudocalanus spp (n=7-train=228)	0.00	0.00	0.00	
Fritillaria spp.															100	0%							Cnidaria (larvae) (n=7-train=20)	0.50	0.14	0.22	0.4
Oikopleura spp.															10	0%							Decapoda-non brachyura (larvae)	0.20	0.50	0.29	
Monstrillidae										50%							50%						(n=4-train=197) Fritillaria spp	0.02	1.00	0.03	
Decapoda-brachyura (zoeae)																					100%		(n=3-train=2701) Oikopleura spp	0.00	0.00	0.00	
Osteichthyes (larvae)																	10	0%					(n=2-train=37) Monstrillida e	0.00			
Ostracoda						1009	6																(n=2-train=27) Decapoda-brachyura (zoeae)	1.00	0.50	0.67	0.2
Paracalanus spp.																				100%			(n=1-train=277)	0.00	0.00	0.00	
Microsetella spp.			100	%																			Osteichthyes (larvae) (n=1-train=43)	0.11	1.00	0.20	
Eurytemora spp.							100%																Ostracoda (n=1-train=1)	0.00	0.00	0.00	
	Acartia S	Rivalvia Copepode Dp. (larvae)	Podon Oil	thong Sp.	, Psec	Aldodiaptomus St.	Stron Bi	yozog (la)	Ascidiace land	Jarpacticolda epibe	Obelia Odernaz	Sp. Sp.	Chaetogh Cedia (larvae	Schooland		ritilla Oik	Nonstrillidge	Stoich Strate	Dataca,	Microsetella Phys Sp. St.	Calanus Spp.	Tortan	Paracalanus spp (n=1-train=82)	0.00	0.00	0.00	
	ž	Do delana	a may be	205. 50/2	2 10/0	Ciapion (Men (la	5 d (19)	De la	de Mar dicolda Dages	dermate.	SPD. (1)	Via GA	Datha Calant	Octobodo Mariae)	non	The Spr de	brackes !		anus ctellas	Alanus Spp.	Portanus Spp.	Microsetella spp (n=1-train=4)	0.00	0.00	0.00	
		*%	Podon/Pleo	1 2/2	•	Idodiaptonus St.	Op Oral	°(/;	'ey 'n	Parpacticolda Chilingles See Pibel		Evadno Cirrip SPP. (Medusa) (larvae)) Oc	9	5/10. OC)	brac,	ru.	Steichthyes ((anae)	2/2, 2	% %.	<i>, ,</i> ,	Eurytemora spp (n=1-train=1730)	0.00	0.00	0.00	0.0
							Temora Sp. (Medusa)	Macina	<i>'</i>		thic	9					Nonstrillidae Myura (lanae)	/-	TORDRI				Calanus spp		_	_	
								١									, Ash					Extra	(n=0-train=109) Labidocera spp		_	_	
										Р	redict	ed Value	es.									training classes	(n=0-train=493) Tortanus spp				
																							(n=0-train=111)	_	0.42	0.22	
																							macro avg (corr)		0.43	0.32	
																							weighted avg	0.84	0.69	0.73	

Predictions of discarded taxa from training



Predicted Taxa

Actual discarded Taxa

Relative Abundance of Top Taxonomic Instances per Sample

