Use of SCN features: Yes

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

Actual Values

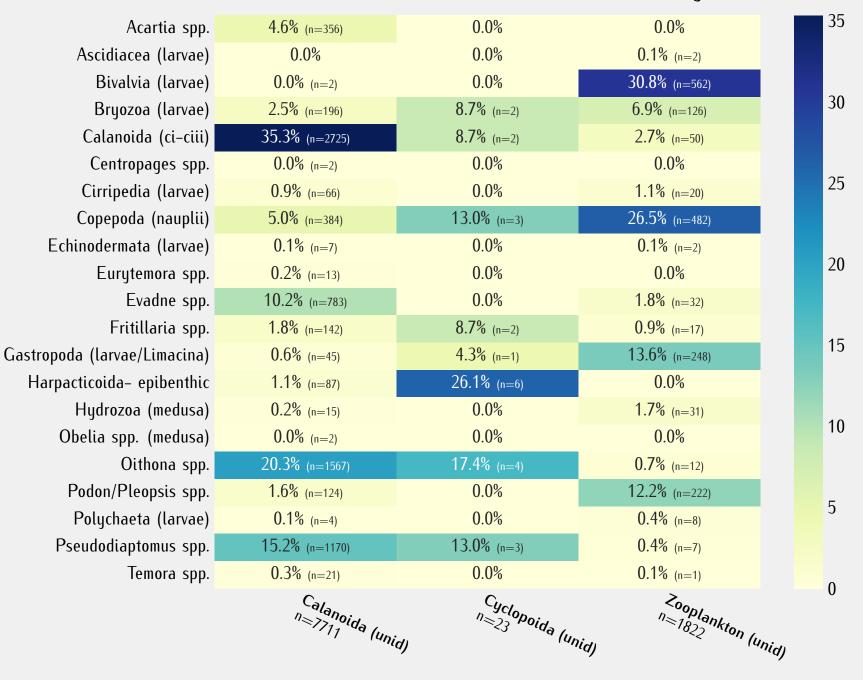
Gulf Selected Samples prediction using Gulf training set, Learning with all classes present in the selected samples, with extra training categories, No Calanoida, Cyclopoida, Zooplankton classes in learning set

	Classif	ication R	Report N	1atrix
max	20000	learning	objects	per class

precision recall f1-score

	Confusion Matrix - In percent of Actual Value									max 20000 learning objects per class													
																			Α	precision	recall	f1-score	
Acartia spp.								<1% <1	% <1% <1% 1% <1	1% 4% <1%	ó	<1	1% <1%		<1%		1%		Acartia spp. (n=18062-train=20000)	0.33	0.57	0.72	
Bivalvia (larvae)		1% <						<1%	<1%	<1% <1%			<1%						Bivalvia (larvae) (n=7955-train=3574)	0.97	0.93	0.95	
Copepoda (nauplii)) 19	94% <	(1% <1	% <1%	<1%	<1	%	<1% <1	% <1%	<1% <1%	ó		<1%						Copepoda (nauplii) (n=2753-train=10297)	0.77	0.94	0.85	
Podon/Pleopsis spp.	. <1% 39	% 14% 65	5% <1	% <1%	<1%	1% 109	<1%	2% <1	% <1%	2% 1%		<1	1% <1%		<1%		<1%		Podon/Pleopsis spp. (n=2715-train=3541)	0.97	0.65	0.74	
Oithona spp.	. 1%	<1% <	(1% 825	% 7%	4%			<1% <1	% 2% <1%	2% <1%	ó		1%						Oithona spp.	0.20	0.82	0.43	
Calanoida (ci-ciii)	1%	4% 2	2% 179	% 41%	13%	<1% <1	%	3%	3%	14% <1%	ó		1%						(n=2572-train=4428) Calanoida (ci-ciii)	0.20	0.41	0.35	
Pseudodiaptomus spp.	. 3%	2% <	(1% 21)	% 12%	54%	<1	% <1%	<1%	2% <1%	4% <1%	ó						<1%		(n=1348-train=1531) Pseudodiaptomus spp.				
Hydrozoa (medusa)) 2% 29	% <1% 5	5% 2%	б		72% 7 %	<1%	<1%	<1% <1% 19	6 7% <1%	ó		<1%						(n=1059-train=2113)	0.55	0.54	0.42	
Gastropoda (larvae/Limacina)) <1% 13	9% 10	0% <1	% <1%	i	1% 649	<1%	<1%		1% <1%	ó								Hydrozoa (medusa) (n=671-train=3730)	0.01	0.72	0.77	
Temora spp.	. 7%	2% <	(1% 5%	8%	16%	<1	% 33%	1%	<1% 7%	15% <1%	ó						3%		Gastropoda (larvae/Limacina) (n=629-train=2871)		0.64	0.47	
Bryozoa (larvae)) <1	1% 27% 18	8% <1	% <1%	<1%	109	<1%	40% <1	%	1%			<1%						Temora spp. (n=308-train=2199)	0.30	0.33	0.32	
Polychaeta (larvae)) <1%	22% 5	5% <1	% 5%	3%	2%		<1% 449	%	11% 2%		19	% 2%		<1% <1%				Bryozoa (larvae) (n=247-train=973)	0.37	0.40	0.39	
Ascidiacea (larvae)	1%		4%	ó	1%				93%				<1%		<1%				Polychaeta (larvae) (n=237-train=464)		0.44	0.58	
Harpacticoida- epibenthic	2 4%	4%	369	% 15%	11%		2%	<1%	18%	3% <1%	6		5%				2%		Ascidiacea (larvae)	0.06	0.93	0.95	
Centropages spp.	. 41%		325	%			11%		14%								2%		(n=194-train=805) Harpacticoida- epibenthic				
Echinodermata (larvae))	11% 8	3%	32%			3%		3%	41%			3%						(n=108-train=372) Centropages spp.	0.10	0.18	0.13	
Obelia spp. (medusa)) 5%	5	5% 199	% 5%		5%			29	9% 33%									(n=44-train=3461)	0.02	0.14	0.03	
Evadne spp.						6%	6%			81% 6%									Echinodermata (larvae) (n=37-train=118)		0.03	0.04	
Cirripedia (larvae))	50%		6%		6%				38%	5								Obelia spp. (medusa) (n=21-train=952)	0.27	0.29	0.28	
Chaetognatha	a 15%		8%	ó					15%		8%		23%	8%	23%				Evadne spp. (n=16-train=7238)	0.01	0.81	0.02	
Pseudocalanus spp.	. 71%						29%												Cirripedia (larvae) (n=16-train=716)	0.06	0.38	0.10	
Cnidaria (larvae))	29% 14	4%	29%						14%	5	14%							Chaetognatha	1.00	0.08	0.14	
Decapoda-non brachyura (larvae))											50	1%				50%	б	(n=13-train=18) Pseudocalanus spp.	0.00	0.00	0.00	
Fritillaria spp.			335	%									67%						(n=7-train=228) Cnidaria (larvae)				
Oikopleura spp.													100%						(n=7-train=20) Decapoda-non brachyura (larvae)	1.00	0.14	0.25	
Monstrillidae	9								50%						50%				(n=4-train=197)	0.10	0.50	0.27	
Decapoda-brachyura (zoeae))																1009	%	Fritillaria spp. (n=3-train=2701)	0.01	0.67	0.02	
Osteichthyes (larvae))																1009	%	Oikopleura spp. (n=2-train=37)	0.00	0.00	0.00	
Ostracoda						100	%												Monstrillidae (n=2-train=27)		0.50	0.67	
Paracalanus spp.																	100%		Decapoda-brachyura (zoeae) (n=1-train=277)	0.00	0.00	0.00	
Microsetella spp.			100)%															Osteichthyes (larvae) (n=1-train=43)	0.00	0.00	0.00	
Eurytemora spp.							100%												Ostracoda	0.00	0.00	0.00	
,		Cir. Con	Son O); G1	DS.	Hy Go	i len	Br. Po	y So. Ha Con Con Co	Bo Cha Cir	Ch.	PSp Chi. C	o Stir	Oiz	Mo De Ox Ox	Par 1/	Sur Cor Cor	s. Por	(n=1-train=1) Paracalanus spp.		0.00	0.00	
	Acarria S.	Pialvia Copepool	Onpl	ithona Spp.	noida	Hydroxog (Tropod	Styozoo (I) Spp. Trac/linacia	Mychaeta (larvae) Phibenthic	Obelia Sp. Cirri, Sp. Sp. (medusa)	Thedia land	Pselidocalanis Sp.	apoda ill	laria Op	Monstrillidae Osteichthyes (Strid (lande)	Paracalany	Spp. Spp. Spp.	hidocera spp.	(n=1-train=82) Microsetella spp.	0.00			
	.,	i drago	(naupli)			Cili, Ptomus	medys (le		Than Manda en Sp.	Mata Carvage	(lan	The dry Sp	ande no	10 br	Spp. de brachu.	dr.	Spp. Spp. Spp.	6 200 xx	? (n=1-train=4)	0.00	0.00	0.00	
			Y	1 70.		ý	00 a)	Clima	. " " " " " " " " " " " " " " " " " " "	Than Use	シ	<i>~</i> ,	ý.	a chy	Tura (JOB OR			Eurytemora spp. (n=1-train=1730)	0.00	0.00	0.00	
								CI,	<i>(</i> 20)						(lando)	de			Calanus spp. (n=0-train=109)		-	_	
															9			Extra training	Labidocera spp. (n=0-train=493)	-	-	-	
									Pred	dicted Valu	es							classes	Tortanus spp. (n=0-train=111)		-	_	
																			macro avg (corr)		0.38	0.31	
																			weighted avg		0.68	0.72	
																			weighted dvg	3.51	0.00		

Predictions of discarded taxa from training



Predicted Taxa

Actual discarded Taxa

Relative Abundance of Top Taxonomic Instances per Sample

