Use of SCN features: No Max learning objects: Maximum objects/class Strategy N° 1

Actual Values

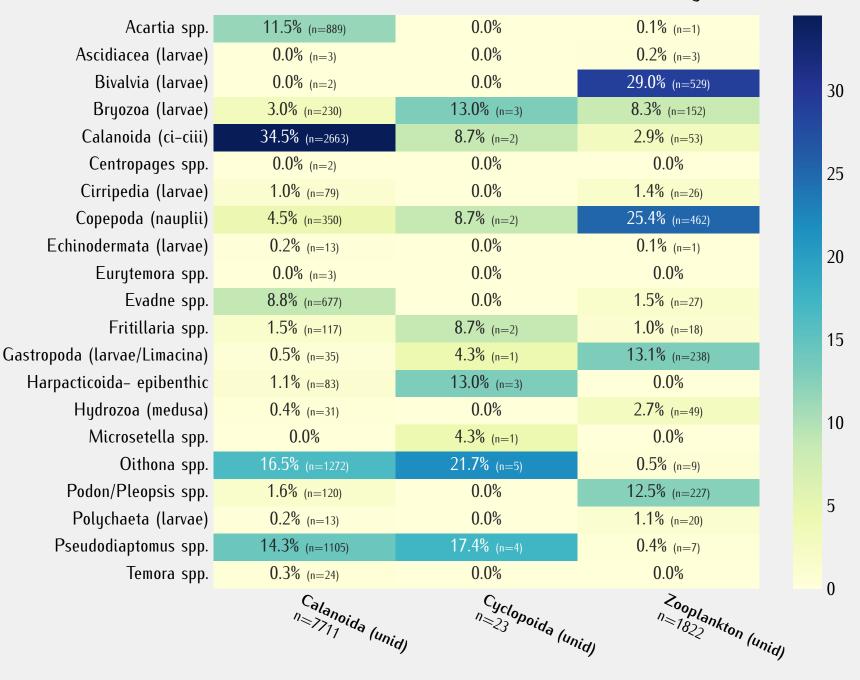
Gulf Selected Samples prediction using Gulf training set, Learning with all classes present in the selected samples, no extra training categories, No Calanoida, Cyclopoida, Zooplankton classes in learning set

		Classific	ation Re	port Ma	trix	
ma	ax a	available	learning	objects	per	class

precision recall f1-score

Confusion Matrix – In percent of Actual Value												m	max available learning objects per class																			
																												pre	ecision	recall	f1-score	
Acartia spp.	75%	<1%	<1%	14%	4%	2%	<1%	<1%	<1%	<1%		<1%	<1%	<1%	<1%	<1%	3%	<1%	ó		<1% <1	%	<1%			<1%	Acartia sp (n=18062-train=10146	p. 1)	0.97	0.75	0.84	
Bivalvia (larvae)	<1% 929	% 1%	<1%	<1%	6 <1%	% <1%	<1%	4%		<1%	<1%	<1%					<19	6 <1%	б		<1	%					Bivalvia (larva (n=7955-train=357	e)	0.97	0.92	0.95	
Copepoda (nauplii)		94%						<1%		<1%					<1%			6 <1%			<1	%					Copepoda (naupli	ii)	0.79	0.94	0.86	
Podon/Pleopsis spp.				_				9%						<1%				1%			<1%		<1%			<1%	(n=2753-train=1029 Podon/Pleopsis sp	p.	0.87	0.66	0.75	
Oithona spp.						4%				<1%		<1%			<1%			<1%			1%				<1%	Ś	(n=2715-train=354 Oithona sp	H)	_			
Calanoida (ci-ciii)						_	<1%			4%			2%		<1%			1%			<1	%					(n=2572-train=442	28)	0.40	0.80	0.54	
Pseudodiaptomus spp.						55%			<1%				<1%			_		<1%								<1%	Calanoida (ci-cii (n=1348-train=153		0.32	0.41	0.36	1.0
Hydrozoa (medusa)				1%			6 72%	_								1%		<1%			<1	%					Pseudodiaptomus sp (n=1059-train=211		0.43	0.55	0.48	
Gastropoda (larvae/Limacina)								66%		<1%			.40.	40.				6 <1%					.40			.40.	Hydrozoa (medus (n=671-train=373	a)	0.78	0.72	0.75	
Temora spp.						16%			25%		-10		<1%	4%			13%	1%			-11	0.	<1%			<1%	Gastropoda (larvae/Limacina	a)	0.39	0.66	0.49	
Bryozoa (larvae)								9% 2%			<1% 45%				-10	-10	110	<1%			<19: 20:		z 10z	-10			(n=629-train=287 Temora sp	p. (0.52	0.25	0.33	
Polychaeta (larvae) Ascidiacea (larvae)		19%	3%	3%		3% 1%		2/0		1%	43%	በ1 <i>የ</i>			< 1%	< 1%	117	5 2%			<1% 2% <1!		<1% <	2%			(n=308-train=219	19)				0.8
Harpacticoida- epibenthic		5%		36%		6 10%			20/	2%		91%	16%				2%				<1% 5%			2′0			Bryozoa (larva (n=247-train=97		0.34	0.49	0.40	
Centropages spp.		J/0		18%		0 10/0)		۷/0	۷′0			10/0	11%			∠′0				\ 170 \ J70						Polychaeta (larva (n=237-train=46	e) 4)	0.80	0.45	0.57	
Echinodermata (larvae)		11%	8%			6 3%								1170	5%		30%	11%	3		3%	3					Ascidiacea (larva (n=194-train=80	e) 5)	0.97	0.91	0.94	
Obelia spp. (medusa)		110		14%			10%						5%		3 0	33%					3 0						Harpacticoida- epibenth (n=108-train=37	ic (2)	0.12	0.16	0.13	
Evadne spp.								6%									81%										Centropages sp	p.	0.05	0.11	0.07	0.6
Cirripedia (larvae)		50%	j		6%			6%										38%									(n=44-train=346 Echinodermata (larva	e) (0.13	0.05	0.08	0.6
Chaetognatha	15%											15%							15%		319	%		23%			(n=37-train=11 Obelia spp. (medus a	8)				
Pseudocalanus spp.	86%													14%													(n=21-train=95	52)	0.39	0.33	0.36	
Cnidaria (larvae)		29%	j		29%	б		14%										14%	6	14%							Evadne sp (n=16-train=723	88)	0.01	0.81	0.03	
Decapoda-non brachyura (larvae)																					75%			25%			Cirripedia (larva (n=16-train=71	e) 6)	0.05	0.38	0.10	
Fritillaria spp.																					100	%					Chaetognath (n=13-train=1	1 a 8)	1.00	0.15	0.27	0.4
Oikopleura spp.																					100	%					Pseudocalanus sp (n=7-train=22	p.	0.00	0.00	0.00	
Monstrillidae	100%																										Cnidaria (larva	e)	1.00	0.14	0.25	
Decapoda-brachyura (zoeae)																							100%				(n=7-train=2 Decapoda-non brachyura (larva	(0)				
Osteichthyes (larvae)																					100%						(n=4-train=19	(7)	0.25	0.75	0.38	
Ostracoda								100%																			Fritillaria sp (n=3-train=270		0.02	1.00	0.05	0.2
Paracalanus spp.																										100%	Oikopleura sp (n=2-train=3	p. 7)	0.00	0.00	0.00	
Microsetella spp.				100%	6																						Monstrillida (n=2-train=2		0.00	0.00	0.00	
Eurytemora spp.																	•										Decapoda-brachyura (zoea	e) ,	0.14	1.00	0.25	
	Acarria Sp.	is land land	Podd (ne	Oith Oith Please	hona Sp.	anoi:	Pydodiapro	To Cash	Temor Temor	Bryon	Polyche Manage	Scidi	Nath.	Centroldo (Noe)	op Chil	Tor Obel		dne Ciri	Thedia (lange	Pseudocalanus Anatha danus	, Decapoda, lande, land	Tillar Oikopla	Monstrillidge	Osteichthyes (le	Paracalanus	Curytemor	Osteichthyes (larva	e) (0.00	0.00	0.00	
	5/2	i (lan	Vap (ne	AU, COD	25/5 50/0		Ci Ciapto	on me	~0(1) (1)		(lando	Cta (la)	(e) (l)	Coids	Adas !	o ermale		(mc Spp.	Ma Man	natha danus	S (larva)	70n , 50n .	To Widde	de brack	da anus	Sp. Sp.	(n=1-train=4 Ostracoc	13) da				
			9	Mii	500		Audodiapio (i. ciii)	15 M.	Tenol (lo	· Vac/lin			de	Centle Centle	Diben	Obele Todermale	(lan	Cirl. (medusa)			Decapoda, Sapp.	Orachy		Osteichthyes (le	Tracy	N. ~%.	(n=1-train= Paracalanus sp	:1) '	0.00	0.00	0.00	0.0
										16	cinal				·	Vic						10	(lana	' \ 0	lede)		(n=1-train=8	32)	0.00	0.00	0.00	
																							40)				Microsetella sp (n=1-train=	:4)	0.00	0.00	0.00	
Predicted Values											Eurytemora sp (n=1-train=173	p. (0)	0.00	0.00	0.00																	
																											macro av		0.37	0.42	0.32	
																											weighted av	q	0.85	0.76	0.79	
																															[4]	

Predictions of discarded taxa from training



Predicted Taxa

Actual discarded Taxa

Relative Abundance of Top Taxonomic Instances per Sample

