Use of SCN features: Yes

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

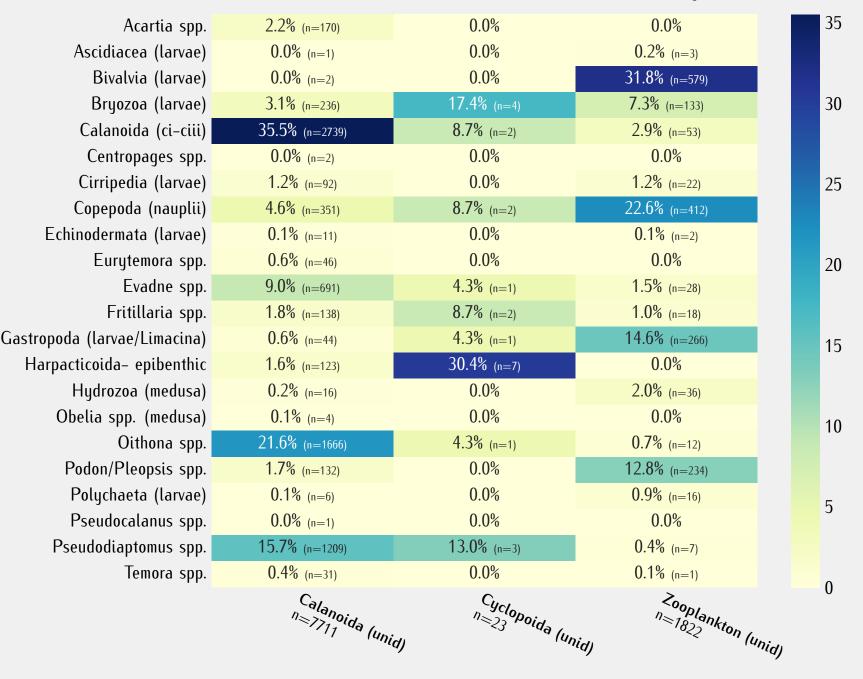
Max learning objects: 5000 objects/class Strategy N° 1

Classification Report Matrix max 5000 learning objects per class

precision recall f1-score

	Confusion Matrix – In percent of Actual Value															m	ax 5000 le	arning obje	cts per cli	lass																
																																precision	recall	f1-score	_	
Acartia spp.	. 40%	6 <1 ⁹	% <1	% <1%	32%	5%	5%	<1%	<1%	2%	<1%		<1%	<1%	2%	<1%	<1%	3%	<1%	<	<1%	<1%	<1%		<15	%	<1%	9%		(n=	Acartia spp. = 18062-train=5000)	0.99	0.40	0.57		
Bivalvia (larvae))	93%	<1	% <1%	<1%	<1%	<1%	<1%	4%		<1%	<1%	<1%					<1%	<1%				<1%							(n	Bivalvia (larvae) =7955-train=3574)	0.97	0.93	0.95		
Copepoda (nauplii)		2%	929	1%	<1%	6 1%	<1%	ó	<1%		<1%	<1%				<1%		<1%	1%				<1%							C	opepoda (nauplii)	0.70	0.92	0.85		
Podon/Pleopsis spp.					_			1%	9%								<1%					<1%	<1%		<19	%		<15	%	Poo	=2753-train=5000) don/Pleopsis spp.	0.07	0.66	0.75		
Oithona spp.				% <1%							<1%			2%		<1%			<1%				1%						_	(n	=2715-train=3541) Oithona spp.					
Calanoida (ci-ciii)							-	<1%				<1%		3%		<1%		12%					1%						_	,	=2572-train=4428)	0.25	0.82	0.38		
Pseudodiaptomus spp.				6 <1%				_			<1%			2%					<1%				<1%					2%		(n	Calanoida (ci-ciii) =1348-train=1531)	0.30	0.41	0.35		1.0
Hydrozoa (medusa)								73%							<1%				<1%				<1%					<1	6		dodiaptomus spp. =1059-train=2113)	0.31	0.54	0.39		
Gastropoda (larvae/Limacina)								6 1%						-10.	004				<1%		.40.						-40.	CO		H	ydrozoa (medusa) n=671-train=3730)	0.85	0.73	0.79		
Temora spp.				6 <1%							2%	40		<1%	8%				<1%	<	<1%		4.0				<1%	6%		Gastropoda	(larvae/Limacina)	0.38	0.65	0.48		
Bryozoa (larvae)				% 18%							43%		•	<1%				<1%				40.	<1%		-41	0, ,40,					n=629-train=2871) Temora spp.		0.33	0.23		
Polychaeta (larvae)			19	% 5%					2%		<1%		0204				<1%	10%	3%			1%	2%		< 13	% <1%				(n=308-train=2199) Bryozoa (larvae)	0.10				0.8
Ascidiacea (larvae)			40	,	4%		1%			40,	204		93%	100,				204					<1%			<1%		204			(n=247-train=973)		0.43	0.37		
Harpacticoida- epibenthic			4%	Ó	39% - 26%	14%	11%			9%	2%			19%	18%			2%					3%					3% 7%		Po	olychaeta (larvae) (n=237-train=464)	0.79	0.45	0.57		
Centropages spp. Echinodermata (larvae)		0	50	6 8%	30%	27%	20⁄			3%		5%				5%		30%	8%				3%					/ ′0			scidiacea (larvae) (n=194-train=805)		0.93	0.94		
Obelia spp. (medusa)			J/(14%			10%		3/0		J/0						29%	0/0				3/0					5%		Harpacti	coida- epibenthic (n=108-train=372)	0.08	0.19	0.12		
Evadne spp.				3/0	1 170	3/0		6%										81%	6%									370			Centropages spp.	0.02	0.18	0.04		
Cirripedia (larvae)			509	%		6%			6%										38%										_		(n=44-train=3461) odermata (larvae)	0.12	0.05	0.08		0.6
Chaetognatha					8%								23%							8%			23%			31%			_	Ohe	(n=37-train=118) lia spp. (medusa)					
Pseudocalanus spp.							14%			57%																				Obc	(n=21-train=952)	0.18	0.33	0.24		
Cnidaria (larvae)			299	% 14%	j	29%													14%		14	4%									Evadne spp. (n=16-train=5000)	0.01	0.81	0.02		
Decapoda-non brachyura (larvae)																						100%	ó							(Cirripedia (larvae) (n=16-train=716)	0.05	0.38	0.08		
Fritillaria spp.																							100%								Chaetognatha (n=13-train=18)	1.00	0.08	0.14		0.4
Oikopleura spp.																							100%							Ps	eudocalanus spp.		0.00	0.00		
Monstrillidae	, ,														50%									509	%						(n=7-train=228) Cnidaria (larvae)	1.00	0.14	0.25		
Decapoda-brachyura (zoeae)																						100%	б							Decapoda-non h	(n=7-train=20) prachyura (larvae)					
Osteichthyes (larvae)																										100%				Decapoda non s	(n=4-train=197)		1.00	0.44		
Ostracoda	1								100%																						Fritillaria spp. (n=3-train=2701)	0.01	1.00	0.03		0.2
Paracalanus spp.																												100	%		Oikopleura spp. (n=2-train=37)	0.00	0.00	0.00		
Microsetella spp.					100%	б																									Monstrillidae (n=2-train=27)		0.50	0.67		
Eurytemora spp.										100%																					orachyura (zoeae)	0.00	0.00	0.00		
	4C	Prio Sp.	ah. C	Depote (Inde)	On Plean Plean	yor Cale	no See	Aldodiapton	Cash	, Temo	Ora Spp.	Polycho (lange)	Ascidi.	Harpa	Centrol Sicoida (See)	China	Obelia dermata	Eradi.	Cirriped Tedusa)	Charle	PSeller C	nidaria (lar. Spp.	Poda non	Oikopleura	Tons De	acap Osteics	Ostrar Paral	Microsetell	Tytemora Spp.	Ost	(n=1-train=277) eichthyes (larvae)	0.12	1.00	0.22		
		200	10/16	Depode (I		hona Sop.	Olda (c	Audodiapton	TOO (Me	Doda	Bryozo	d (lare	Ascidial Peta (lan	(6) (1)	Ticoida	Pages S	dermak	500	. 200 . C	Tia lar	PSCUODOCAL	nidaria (lar.	Toda Mon	Spp Cura	Jonstrillido	Toda Dra	syes (Microsetelle	" Mora Sp		(n=1-train=43) Ostracoda					
				(e)	Plij	10 N		Cii)		ausa)	andoli.	90)		vae, 1	de l'	Diber	, °,	(laryan	(edusa)	, Ade	シ	5/10		Tach,	.S	Chy	larvae)	2/0	300 M		(n=1-train=1)	0.00	0.00	0.00		0.0
									, ,		Bryozo Sp. Sange Lim	Cina				17/	ic C	.8)					Poda non b	SUTA (la	Pr	acapoda brachyl	(toppe)				Paracalanus spp. (n=1-train=82)	0.00	0.00	0.00		
																									del						Microsetella spp. (n=1-train=4)	0.00	0.00	0.00		
															Prec	licted	l Valı	ıes													Eurytemora spp. (n=1-train=1730)	0.00	0.00	0.00		
																															macro avq	0.37	0.43	0.31		
																															weighted avg		0.61	0.65		
																															3					

Predictions of discarded taxa from training



Predicted Taxa

Actual discarded Taxa

Relative Abundance of Top Taxonomic Instances per Sample

