Use of SCN features: No

Max learning objects: Maximum 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

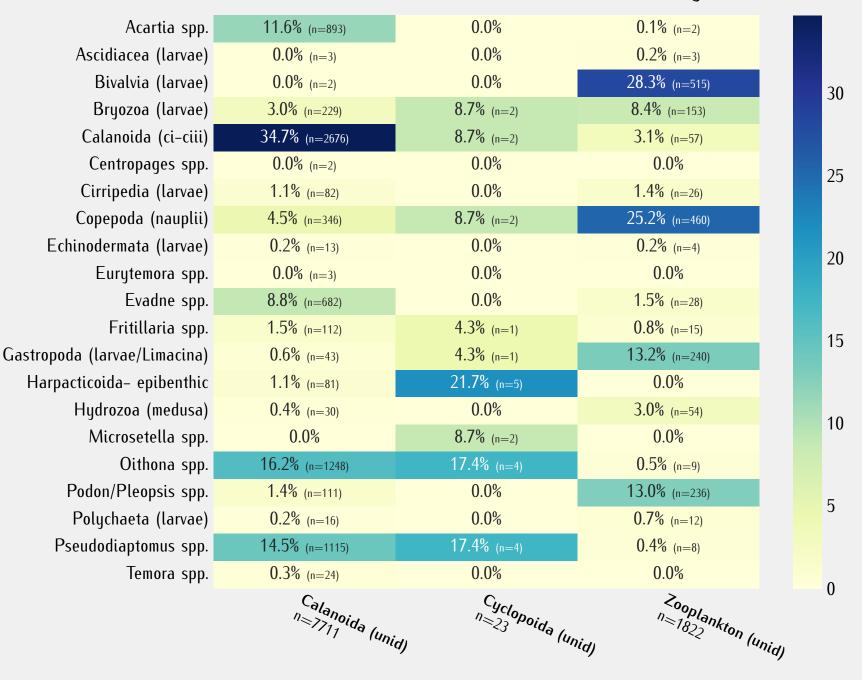
Confusion Matrix - In narcent of Actual Value

C	lassificatio	n Report M	latrix
max ava	ailable lear	nina obiect	s per class

precision recall f1-score

												Confusi	on Má	atrix – I	In perce	ent of	Actual V	'alue								max	available l	learning of	ojecis per c	idSS
																									Λ . : -		precision	recall	f1-score	
Acartia spp.										% <1%	<1%	<1% <1%	<1%	<1% <1%	3% <	1%		<1% <	<1%		<1%		<1%		Acartia (n=18062-train=10	1461)	0.97	0.74	0.84	
Bivalvia (larvae)								<1% 4%	ó	<1%		<1%			<1% <	1%		<	<1%						Bivalvia (la (n=7955-train=	r vae) 3574)	0.97	0.92	0.95	
Copepoda (nauplii)	1	1% 94	1% 1	% <	<1% <	<1% <	<1%	<1	%	<1%	<1%		<	<1%	<1% <	1%		<	<1%						Copepoda (na (n=2753-train=1	u plii) 0297)	0.79	0.94	0.86	
Podon/Pleopsis spp.	<1% 3							2% 8%	<u> </u>	% 3%	<1%		<1%		2% 19	%		<1%							Podon/Pleopsis (n=2715-train=	spp.	0.87	0.67	0.76	
Oithona spp.	5%	<	1% <	(1% 8	80%	6%	4%			<1%		1%	•	<1%	1% <	1%			1%						Oithona	spp.	0.40	0.80	0.54	
Calanoida (ci-ciii)	4%	3	% 1	1% 1	5% 4	41%	12% <	<1% <1	%	4%		2%	<	<1%	13% 19	%		<	<1%						(n=2572-train= Calanoida (ci					
Pseudodiaptomus spp.	10%	2	%	1	6% 1	11%	55%	<1	% <1	% <1%		1%			4% <	1%							<1%		(n=1348-train= Pseudodiaptomus	1531)	0.32	0.41	0.36	h
Hydrozoa (medusa)	3% 2	2%	6	6%	1%	<	<1% 7	72% 7 %	<u> </u>	% <1%	<1%			<1%	6 6% <	1%		<	<1%				<1%		(n=1059-train=	2113)	0.43	0.55	0.48	П
stropoda (larvae/Limacina)	<1% 1	2% 7	% 10	0% <	<1% <	<1%		1% 66	%	<1%					<1% <	1%									Hydrozoa (med (n=671-train=	3730)	0.78	0.72	0.75	
Temora spp.	24%	2	% <	(1% 4	4%	7%	17%	<1	% 249	% 2%			5%		12% <	1%					<1%		<1%		Gastropoda (larvae/Lima (n=629-train=		0.39	0.66	0.49	П
Bryozoa (larvae)	<1% <	(1% 23	3% 1	7% <	<1% <	<1% <	<1%	9%	ó	47%	<1%				<1% <	1%		<	<1%						Temora $(n=308-train=$	spp.	0.48	0.24	0.32	П
Polychaeta (larvae)	<1%	21	1% 5	5% <	<1%	5%	3%	2%	ó	<1%	44%		•	<1% <1%	5 11% 29	%		<1%	2%		<1% <1%				Bryozoa (la	rvae)	0.34	0.47	0.40	П
Ascidiacea (larvae)	4%				3%		1%					90%							1%		2%				(n=247-train= Polychaeta (la (n=237-train=	,		0.44	0.56	
Harpacticoida- epibenthic		4	%	3	32% 1	14%	10%		2%	3%		19%			3%			<1%	4%						(n=237-train= Ascidiacea (la					
Centropages spp.				1	6%		2%		2%	á			11%												(n=194-train= Harpacticoida- epibe	=805)	0.98	0.90	0.94	
Echinodermata (larvae)		8	% 5	5% 3							3%			8%	30% 14	1%			3%						(n=108-train=	=372)	0.14	0.19	0.16	
Obelia spp. (medusa)				5% 1			1	10%				5%			29%										Centropages (n=44-train=	spp. 3461)	0.04	0.11	0.06	
Evadne spp.								6%	ń						81% 69	%									Echinodermata (la (n=37-train=		0.16	0.08	0.11	
Cirripedia (larvae)		5()%			6%		6%			6%				31										Obelia spp. (med (n=21-train=	lusa)	0.29	0.24	0.26	
Chaetognatha			J*0			070		071			0/0	15%			31	15%			31% 89	0,	15%				Evadne	spp.	0.01	0.81	0.03	
C .												13/0	1 /10/			13/0			31/0 0/	'0	13/0				(n=16-train= Cirripedia (la			0.31		
Pseudocalanus spp.		20	204			2004		200	0.				14%		1.1	10.									(n=16-train= Chaetog r	=716)	0.04		0.07	
Cnidaria (larvae)		29	9%			29%		299	%						14	1%		500			250			250	(n=13-train	=18)	1.00	0.15	0.27	
da-non brachyura (larvae)																		50%			25%			25%	Pseudocalanus (n=7-train=	=228)	0.00	0.00	0.00	
Fritillaria spp.																		1	100%						Cnidaria (la (n=7-train	rvae) =20)	0.00	0.00	0.00	
Oikopleura spp.																		1	100%						Decapoda-non brachyura (la (n=4-train=	rvae)	0.20	0.50	0.29	
Monstrillidae																									Fritillaria	spp.	0.02	1.00	0.05	
capoda-brachyura (zoeae)																								100%	(n=3-train= Oikopleura	spp.	0.00	0.00	0.00	
Osteichthyes (larvae)																					100%				(n=2-train Monstril	=37)				
Ostracoda								100)%																(n=2-train Decapoda-brachyura (z o	=27)	0.00	0.00	0.00	
Paracalanus spp.																							100%		(n=1-train=	=277)	0.00	0.00	0.00	
Microsetella spp.				10	00%																				Osteichthyes (la (n=1-train	=43)	0.11	1.00	0.20	
Eurytemora spp.	100%																								Ostra (n=1-trai		0.00	0.00	0.00	
	Acarx.	Sival,	Open !	Sodo.	Oitho	Calar	PSeller	Hydr G	Str Pel	Mor Bryo	Poly	Ascid. Hal	Centr	Chip Obe	Vi Pade (irin Cha	Sey Chic	Deco.	Priting Co	Piton Me	Ons Ostor	Stracoda Paracal	Micro Curux	Plan labin Porta.	•	spp.	0.00	0.00	0.00	
	Acarria s	Bivalvia ((An)	Podon/A (noup)	Oleon	Calanol SPD.	Selidol ida (ci. Ci	Klydrozoa (iii)	(m. Opode	13/20	Od (la)	Scidiacea lange	Cticoid Of	odges oderm.	Via Spr. (ned	Do. Colia	Pselidocalaila (anae)	Decapo Pus Spr	Oda no	Spp. Months	Decapoda Steichthe Spp.	Toda al	Microsetella Sp.	Spp. Spp. Spp.	Microsetella	spp.	0.00	0.00	0.00	
			de	1 SUP	Vii)	SOD	,0	iii) mus	Edusa)	(larvae)	·	de dande	drydo)	Chip Spp.	A (lan med		was a	15 500	ley on bra	30%	Do Goly	lana	800 SO	, , , , , , , , , , , , , , , , , , ,	Eurytemora	spp.	0.00	0.00	0.00	
									%	Mora Spp.	inacin			Chinoderne Pages Spp.	de	9)		·		119412	Decapoda Steichthe Spp. (Janae)	(topo -			(n=1-train= <mark>Calanus</mark>	1730)	0.00	0.00	0.00	
											19	7								16	on on	9			(n=0-train=	=109)	_	_	-	
														Б										Extr	ning (n=0-train=	=493)	-	-	-	
														Predi	cted Val	ues								clas	ses Tortanus (n=0-train=	spp. =111)	-	-	-	
																									macro avg (c	orr)	0.33	0.40	0.30	
																									weighted	27/0	0.85	0.76	0.79	

Predictions of discarded taxa from training



Predicted Taxa

Actual discarded Taxa

Relative Abundance of Top Taxonomic Instances per Sample

