Use of SCN features: No

Max learning objects: Maximum objects/class Strategy N° 6

Actual Values

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

Confusion Matrix – In percent of Actual Value

Classification Report Matrix max available learning objects per class

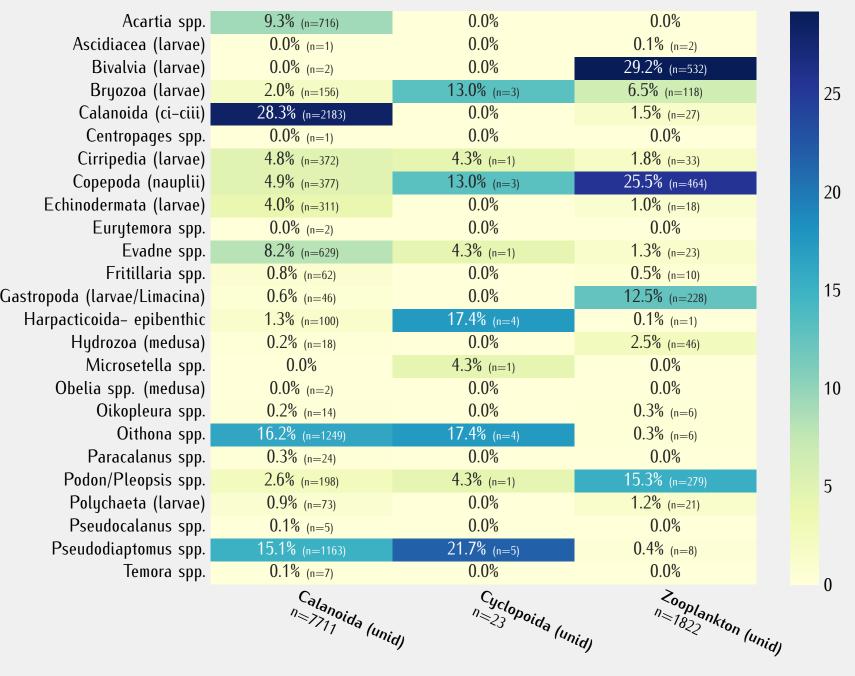
precision

recall

f1-score

												Con	fusior	n Mat	rix –	In per	rcent (of Actual	Value							ľ	nax a	vailable le	earning of	ojects per cl	.ass
																										A cautia a		orecision	recall	f1-score	
Acartia spp.	68%	<	<1% <	<1% 1	17%	6%	2% <	<1%	<	<1% <	<1% <19	<1%	<1%	<1% <1	% <1	1% 2%	<1%	<1%	<1% <19	% <1%	<1%		1%	<1% <1%	<1%	Acartia s _i (n=18062-train=1113	319)	0.98	0.68	0.80	
Bivalvia (larvae)	<1%	93%	1% <	<1% <	<1%	<1% <	<1% <	<1%	4%	<	<1% <19	<1%	<1%	<	1%	<1%	<1%			<1%						Bivalvia (larva (n=7955-train=37)	a e) 64)	0.97	0.93	0.95	
Copepoda (nauplii)		1% 9	94%	1% <	<1%	<1% <	<1%	<	<1%	<	<1% <19	б	<1%	19	6	<1%	1%		<19	% <1%						Copepoda (naup (n=2753-train=115	lii)	0.78	0.94	0.85	
Podon/Pleopsis spp.	<1%	3% 1	3% 6	7% <	<1%	<1%	<1%	1%	8% <	<1%	3% <19	б				<1%	2%			<1%	<1%	<	<1%			Podon/Pleopsis sp	pp.	0.83	0.67	0.74	
Oithona spp.	3%	<	<1% <	<1% 8	81%	4%	4%			<	<1%	<1%	2%	25	6	1%	1%		1%	<1%						(n=2715-train=73 Oithona s _l	pp.	0.38	0.81	0.51	
Calanoida (ci-ciii)	4%	2	4%	3% 1	15%	34%	12% <	<1%	<1%		2% <19	ó	3%	39	6	12%	6%		<19	% <1%		<	<1%			(n=2572-train=58 Calanoida (ci- c	,				
Pseudodiaptomus spp.	7%	2	2% <	<1% 1	16%	7%	58%	<	<1%	<	<1% <19	ó	<1%	<	1%	3%	3%	<1%				<	<1%	<1%		(n=1348-train=559 Pseudodiaptomus sį	557)	0.26	0.34	0.30	1.0
Hydrozoa (medusa)	2%	2% <	<1%	7% <	<1%	<1%		69%	6% <	<1%	<1% <19	ó		<	<1%	1% 6%	<1%	<1%	2%			<1%	<1%			(n=1059-train=21	13)	0.45	0.58	0.50	
Gastropoda (larvae/Limacina)	<1% 1	13%	7% 1	2% <	<1%	<1%		1% 6	64%	<	<1% <19	ó				<1%	<1%									Hydrozoa (medus (n=671-train=409)52)	0.84	0.69	0.76	
Temora spp.	8%	3	3% <	<1%	5%	9%	16%		2	27% <	<1% 2%			2% <	1%	9%	6%	7%			<1%		2%	<1%		Gastropoda (larvae/Limacir (n=629-train=32)		0.40	0.64	0.49	
Bryozoa (larvae)	<	<1% 2	23% 2	20% <	<1%	<1%		1	8%	۷	15% 2%						<1%			<1%						Temora s (n=308-train=73-	рр. 47)	0.39	0.27	0.32	
Polychaeta (larvae)	<1%	2	21%	5% <	<1%	2%	1%		1% <	<1%	45%	í	<1%	39	6	7%	11%		<19	%	<1% <	(1%				Bryozoa (larva (n=247-train=114	ae)	0.39	0.45	0.41	
Ascidiacea (larvae)	3%				2%	<	<1%				1%	89%							<1% 1%	2%	<	(1%				Polychaeta (larva	ae)	0.60	0.45	0.51	0.8
Harpacticoida- epibenthic	6%	Ę	5%	3	36%	13%	9%			2%	2% <19	ó	19%	<	1%	2%	<1%	<1%	3%							(n=237-train=15) Ascidiacea (larva	ae)	0.96	0.89	0.93	
Centropages spp.	55%			2	23%	7%	2%			5%				9%												(n=194-train=80 Harpacticoida- epibentl	,				
Echinodermata (larvae)		8	8% 1	1%			3%							27	%	16%	35%									(n=108-train=59 Centropages sp	555)	0.13	0.19	0.16	
Obelia spp. (medusa)	5%		1	0% 1	19%		,	10%							19	% 24%	5%		10%	б						(n=44-train=362	520)	0.04	0.09	0.06	
Evadne spp.	6%		(6%												81%	6%									Echinodermata (larva (n=37-train=30)43)	0.04	0.27	0.06	0.6
Cirripedia (larvae)		4	14%						6%		6%			69	6		38%									Obelia spp. (medus (n=21-train=10	003)	0.29	0.19	0.23	0.0
Chaetognatha												8%					8	3%	31%	6 54%						Evadne s _l (n=16-train=110	ρρ. 64)	0.02	0.81	0.04	
Pseudocalanus spp.	43%								1	14%				14%				29%								Cirripedia (larva (n=16-train=76	ae)	0.01	0.38	0.03	
Cnidaria (larvae)		2	29% 1	4%		14%		1	14%								29%									Chaetognat	tha 📉	1.00	0.08	0.14	
Decapoda-non brachyura (larvae)																			100%							(n=13-train=6 Pseudocalanus sp	pp.	0.02	0.29	0.05	
Fritillaria spp.																			67%	33%						(n=7-train=48 ⁷ Cnidaria (larva	ae)	0.00	0.00	0.00	0.4
Oikopleura spp.																			1009	%						(n=7-train=) Decapoda-non brachyura (larva					
Monstrillidae	50%																		50%	б						(n=4-train=42 Fritillaria sp	23)	0.57	1.00	0.73	
Decapoda-brachyura (zoeae)																					100%					(n=3-train=699	192)	0.02	0.67	0.04	
Osteichthyes (larvae)																			100%							Oikopleura s (n=2-train=530	805)	0.00	0.00	0.00	
Ostracoda								1	00%																	Monstrillid (n=2-train=2	ae 27)	0.00	0.00	0.00	
Paracalanus spp.						100%																				Decapoda-brachyura (zoea (n=1-train=6)	ae)	0.12	1.00	0.22	0.2
Microsetella spp.																	100%									Osteichthyes (larva (n=1-train=	ae)	0.00	0.00	0.00	
Eurytemora spp.																		100%								Ostraco	oda	0.00	0.00	0.00	
		Biz	Con .	DON	Oizz	Ca/	DSE.	Hym	Coc	Ten	Bru Po	1 85	. 1/2	Con &	% O	Bo Ch	Cir.	The PS C	nice Des An	i Oif	Non Den	Os Os	Day.	Mic Cur. Con	Cabi Porx	(n=1-train=) Paracalanus sp	pp.	0.00	0.00	0.00	
	Acartia	Birdhia SPA	Copepol	100/	Ples	Calanoi Spp.	ida Judo	Hydroxo Ddiaptomb	Da Trop	Ode of	Bryotod /le	Charts	Harpal Variacea (la)	Centropal Ticoida ex	noder	bolia Spp. (lana)	De Spred	Chaetognatha (lange)	nidaria (lanae)	Maria Oplet	Monstrillidge	Osteichthyes (to brachyura (Oda acale	Microsetella Spp. Spp.	Spp. Spp.	(n=1-train=16 ² Microsetella s _l					
		λ,	drae) Jay	Plin	. ~\bar{\alpha}{\alpha}	(0)	iii) Tony	" medi	1/3/1/1/		rae/	land (la)	Van e		110 /2 /2 //2	medi.	(larvae)	This Sp. de	Pon bro	Spp. de	Orachy, (dr.	5/20 Spp. 8/20	5 10 10 NO 10 10 10 10 10 10 10 10 10 10 10 10 10	(n=1-train= Eurytemora s	=4)	0.00	0.00	0.00	0.0
					9	1/2			10	9	Bryotog (le		9	Centropay Ticoida Vae, Ch	benthi	1/10	8) 'SB)		nidaria (larvae)	Chyur		Osteichthyes (Abrachyura (A	Op.			(n=1-train=18)	318)	0.00	0.00	0.00	0.0
											4/	9)			,						(lange)		del			Calanus s ₁ (n=0-train=3	359)	-	-	-	
																					y				Extra trainin	Labidocera sı q (n=0-train=4	1 93)	-	-	-	
															Prec	dicted \	Values								classes		ρp. .03)	-	-	-	
																										macro avg (co		0.33	0.42	0.31	
																										weighted a		0.84	0.73	0.77	
																											7		0.7.5		

Predictions of discarded taxa from training



Predicted Taxa

Actual discarded Taxa

Relative Abundance of Top Taxonomic Instances per Sample

