Use of SCN features: No

Actual Values

Max learning objects: 5000 objects/class Strategy N° 10

Gulf Selected Samples prediction using all regions training set, Learning with selected samples classes with no low global training instances, with extra regional training categories, With Calanoida, Cyclopoida, NO Zooplankton classes in learning set

Confusion Matrix – In percent of Actual Value

Classification Report Matrix max 5000 learning objects per class

precision

recall

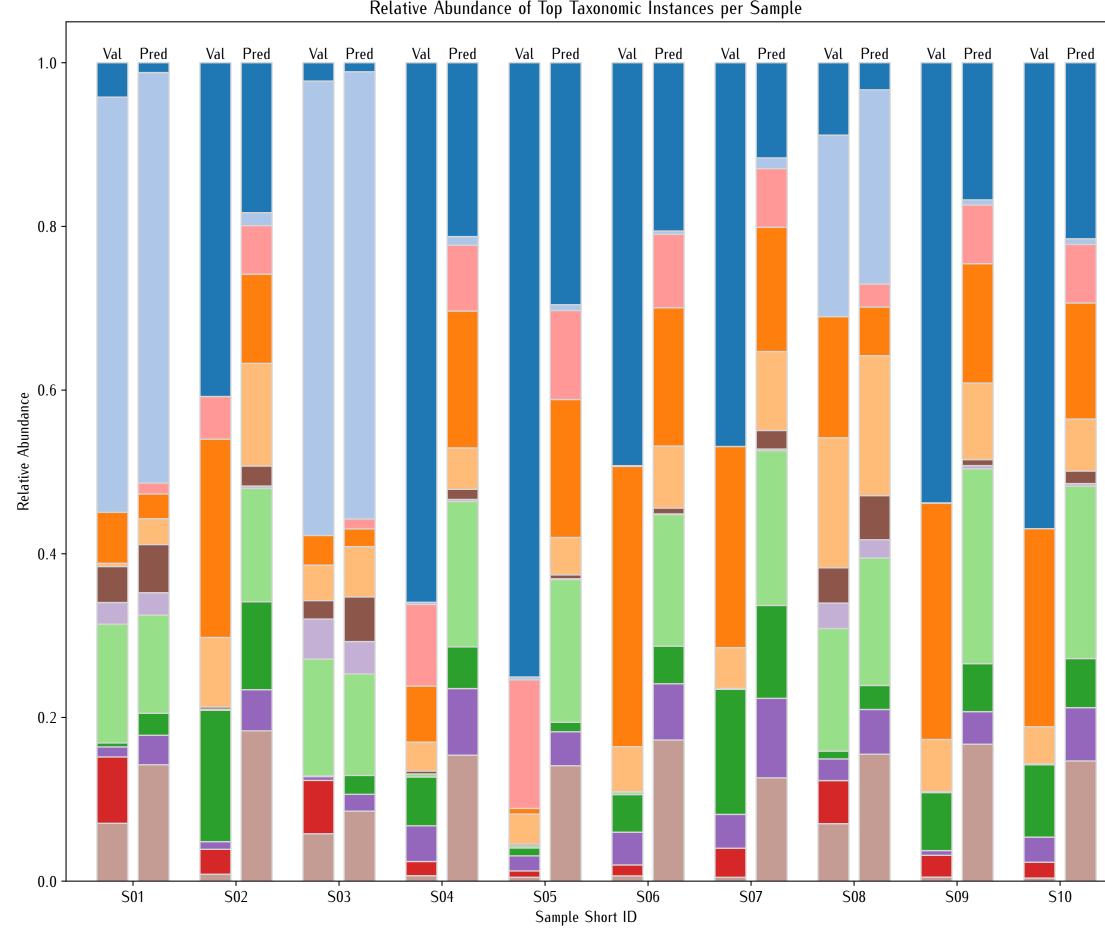
f1-score

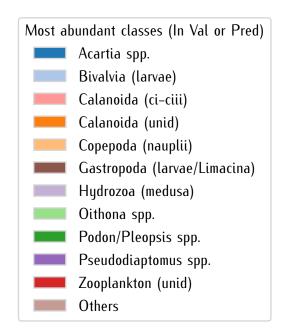
												Cor	ıfusior	Ma	trix –	In pe	rcent o	of Act	tual V	alue								I		J	jecis per ci	
A couting one	250/		120	_10	· -10	250	E0.	20,	~10 _c		~10 _′	~10 _c	-10/	10,	10, 20,	~10 ₄	-10/	-10,	10, -10	0,	~ 10 ₄	-10, -10, -10,	,	E0 ₄	E0,), _10,	~10 _c	Acartia spp.	precision		f1-score	
Acartia spp.		020						3%									<1% <				< 1%	<1% <1% <1%		3%	5% <1	6 < 1%	<1%	(n=18062-train=5000)	0.90	0.35	0.52	
Bivalvia (larvae)								% <1%					<1% <				<1%		(1% < 19		.40.	<1% <1%		.40.	.40			Bivalvia (larvae) (n=7955-train=3764)	0.97	0.93	0.95	
Calanoida (unid)																	<1% <	(1%) 5			<1%			<1%	<1%			Calanoida (unid) (n=7711-train=5000)	0.43	0.29	0.35	
Copepoda (nauplii)					1%			% <1%		<1%		1%			1%	2%	<1%		<19			<1%		4.0				Copepoda (nauplii) (n=2753-train=5000)	0.72	0.92	0.81	
Podon/Pleopsis spp.								% <1%	1%	9%					1%	0.0	10		1% 1%			<1%		<1%	<1	ő l		Podon/Pleopsis spp. (n=2715-train=5000)	0.79	0.64	0.71	
Oithona spp.								5%					<1% <				1%		(1% 1%			<1% <1%		<1%				Oithona spp. (n=2572-train=5000)	0.25	0.79	0.39	_
Calanoida (ci-ciii)								9%					<1%		%		1%		3% 5%		_	<1% <1%	ó	<1%				Calanoida (ci-ciii)	0.11	0.22	0.15	
Pseudodiaptomus spp.								60%		<1%		<1%		1	% <1%				2% 3%		<1%				<1%			(n=1348-train=5000) Pseudodiaptomus spp.	0.25	0.60	0.35	
Hydrozoa (medusa)	<1%									7%		<1%				<1%			5% <19		<1%	1%		1%				(n=1059-train=2113) Hydrozoa (medusa)				
Gastropoda (larvae/Limacina)		13%	<1%	6%	10%	<1%	6 <1 ⁹	% <1%	1%	66%		<1%	<1%					<	<1% <19	%								(n=671-train=4052) Gastropoda (larvae/Limacina)	0.01	0.70	0.75	
Temora spp.	<1%		5%	2%	<1%	3%	5%	19%		<1%	21%	2%	1%	<	1% 5%	<1%		8	8% 5%		12%			6%	3% <1	%		(n=629-train=3272)	0.37	0.66	0.48	
Bryozoa (larvae)		<1%	<1%	19%	17%	<1%	6 <19	%		9%		51%	2%						<19	%		<1%	ó					Temora spp. (n=308-train=5000)	0.25	0.21	0.23	
Polychaeta (larvae)	<1%		2%	20%	5%	<1%	1%	2%		<1%	<1%		48%			3%		6	5% 9%			<1%	<1%		<1	%		Bryozoa (larvae) (n=247-train=1142)	(1/1)	0.51	0.34	
Ascidiacea (larvae)	<1%					3%		<1%					2% 9	1%								<1% 1% 2%	<1%					Polychaeta (larvae) (n=237-train=1577)	0.51	0.48	0.49	
Harpacticoida- epibenthic			8%	4%		31%	6%	8%				<1%		20)%	2%	10%		<19	%	<1%	<1%		3%	3%			Ascidiacea (larvae)	0.04	0.91	0.92	
Centropages spp.	25%					36%	2%				9%				14%				2%					9%	2%			(n=194-train=861) Harpacticoida- epibenthic	0.05	0.20	0.09	-
Echinodermata (larvae)			3%	5%	11%		3%	3%								32%		1	6% 27%	б								(n=108-train=555) Centropages spp.				
Cyclopoida (unid)			9%	9%	4%	9%		13%				9%		13	3%		30%		4%									(n=44-train=3620) Echinodermata (larvae)	0.02	0.14	0.03	
Obelia spp. (medusa)			5%		5%	19%	5%		10%					5	%	5%	1	9% 1	4% 10%	б				5%				(n=37-train=3043)	0.02	0.32	0.04	
Evadne spp.							6%			6%								7	5% 12%	ó								Cyclopoida (unid) (n=23-train=143)	0.04	0.30	0.07	
Cirripedia (larvae)			6%	44%	6%					6%						6%			31%	б								Obelia spp. (medusa) (n=21-train=1003)	0.10	0.19	0.13	
Chaetognatha													{	%						8%		31% 54%						Evadne spp. (n=16-train=5000)	0.01	0.75	0.03	
Pseudocalanus spp.	29%							14%			14%				14%						14%			14%				Cirripedia (larvae) (n=16-train=5000)	0.01	0.31	0.01	
ecapoda–non brachyura (larvae)																						100%						Chaetognatha	0.50	0.08	0.13	
Fritillaria spp.																						67% 33%						(n=13-train=89) Pseudocalanus spp.	0.01	0.14	0.01	
Oikopleura spp.																						100%						(n=7-train=4845) Decapoda-non brachyura (larvae)				
Osteichthyes (larvae)																				100%								(n=4-train=423)	0.57	1.00	0.73	
Paracalanus spp.																									100%			Fritillaria spp. (n=3-train=5000)		0.67	0.03	
Eurytemora spp.																					100%							Oikopleura spp. (n=2-train=5000)	0.00	0.00	0.00	
Decapoda-brachyura (zoeae)																									100	%		Osteichthyes (larvae) (n=1-train=45)	0.00	0.00	0.00	
		S _i	Ca.	Co	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Q:	() ()		4,	Ç	<i>></i>	S _r	<i>A</i> -	7s 4	(x) Co	₹	C, (0, (ς, ς;	S	Ø.	0 % 0;	. O ₀	Ø,			<i>i i i i</i> .	Paracalanus spp. (n=1-train=1619)	0.00	0.00	0.00	
	art	Bivall Sp.	Nia (1	Poids	Pode (ne	On Pleas	Tong Sol	lanoida (ci	Hydro, Ciii)	2000	Temore opoda (la.	Sp	Polychae (lande)	Cidiace.	Arpacticoity (larvae)	Tropan his	Cyclopolicinata (l		Stadne Spp. (meduse	Thedia (lat	ogn Chal	Decapoda non Sp.	Ostell Opleura Sp	ichth,	Eurytenore (lange)	Apodo Alanus S.	Tortanus Spp.	Eurytemora spp. (n=1-train=1818)	0.00	0.00	0.00	
		% .	(dr	(4) (4)	mid) (no	Aupli:		i (0	Ciii	nus (me	dus da la	~?! 'T.	(ANDA)	d (lary	(larvació	of Co.	Op. Mata	(unid	D. Med.	(la)	The The	Canus non Sp.		i yes	(lan Sp).	Spp. Brachu.	Spp. Th.	Decapoda-brachyura (zoeae)	0.07	1.00	0.12	
						<i>(</i>)	20		9	500	-9)	clim	Polychae (larae)	46	Parpacticoil	Dibel	Cyclopolicinata (to	They	*(1/2 ^C	V	9	Decapoda Pritillaria Sp. Sp. brachy	Yura		de	Capoda brachyura	ROD	(n=1-train=628) Calanus spp.				
													(na)				C						land	Po i			"de)	Calanus spp. (n=0-train=359)		-	-	
																								9			Extra training	Labidocera spp. (n=0-train=493)		-	-	
															Pred	cted	Values										classes		-	-	-	
																												macro avg (corr)	0.30	0.44	0.30	
																												weighted avg	0.75	0.53	0.57	
																												<i>y</i>				

Predictions of discarded taxa from training 100 0.0% 0.0% 0.0% 0.0% 0.1% (n=2) Ascidiacea (larvae) Bivalvia (larvae) 0.0% 0.0% 0.0% 0.0% 30.2% (n=550) 0.0% 0.0% Bryozoa (larvae) 0.0% 0.0% 9.3% (n=170) 0.0% 0.0% 0.0% 0.8% (n=14) Calanoida (ci-ciii) 14.3% (n=1) 80 Calanoida (unid) 1.7% (n=31) 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 50.0% (n=1) 0.0% 0.0% Centropages spp. 0.0% 0.0% 0.0% Cirripedia (larvae) 28.6% (n=2) 1.5% (n=28) Copepoda (nauplii) 28.6% (n=2) 0.0% 0.0% 0.0% 21.7% (n=396) Cyclopoida (unid) 0.0% 60 0.0% 0.0% 0.0% 0.2% (n=3) **Predicted Taxa** Decapoda-brachyura (zoeae) 0.0% 0.0% 0.0% 0.0% 0.1% (n=1) 0.0% 0.0% 0.9% (n=17) Echinodermata (larvae) 0.0% 0.0% Evadne spp. 0.0% 0.0% 0.0% 0.0% 1.0% (n=19) 0.0% 50.0% (n=1) 0.0% Fritillaria spp. 0.0% 0.4% (n=8) 40 Gastropoda (larvae/Limacina) 0.0% 0.0% 100.0% (n=1) 14.2% (n=259) 28.6% (n=2) 0.1% (n=2) Harpacticoida- epibenthic 0.0% 0.0% 0.0% 0.0% 0.0% Hydrozoa (medusa) 0.0% 0.0% 0.0% 2.6% (n=48) Oikopleura spp. 0.0% 0.0% 0.0% 0.0% 0.4% (n=8) 20 0.3% (n=5) Oithona spp. 0.0% 0.0% 0.0% 100.0% (n=1) Podon/Pleopsis spp. 0.0% 0.0% 0.0% 0.0% 13.0% (n=236) Polychaeta (larvae) 0.0% 0.0% 0.0% 0.0% 1.0% (n=19) 0.3% (n=6) Pseudodiaptomus spp. 0.0% 0.0% 0.0% 0.0% 0 Microsetella spp. Cnidaria (larvae) Monstrillidae Zooplankton (unid) Ostracoda

Actual discarded Taxa

Relative Abundance of Top Taxonomic Instances per Sample





Relative Abundance of Top Taxonomic Instances per Sample (Redistributed)

