Use of SCN features: No

Actual Values

Max learning objects: 20000 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

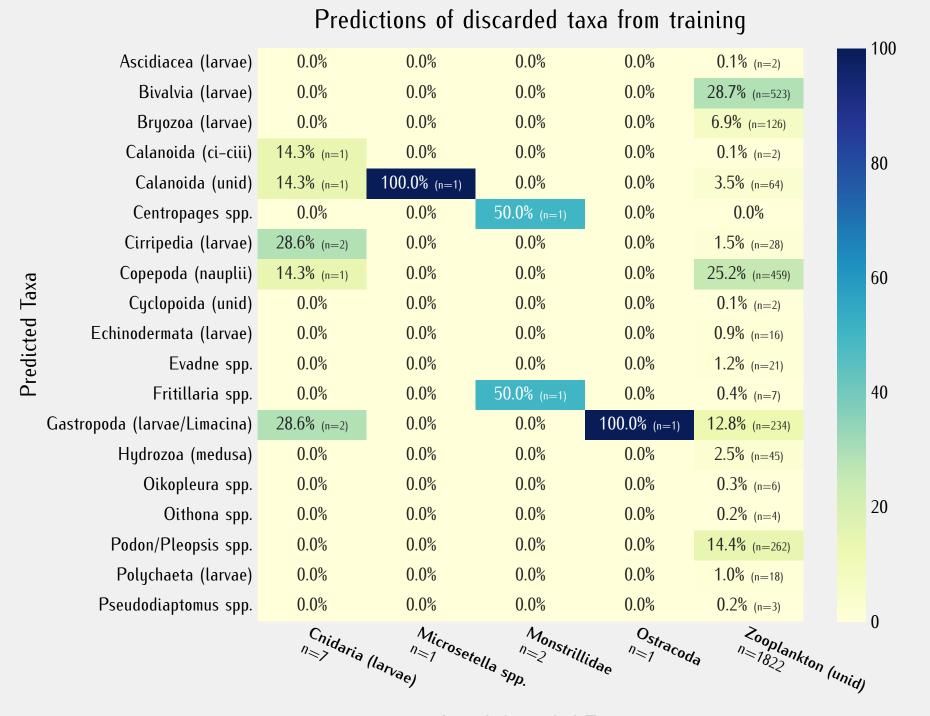
Classification Report Matrix max 20000 learning objects per class

precision

recall

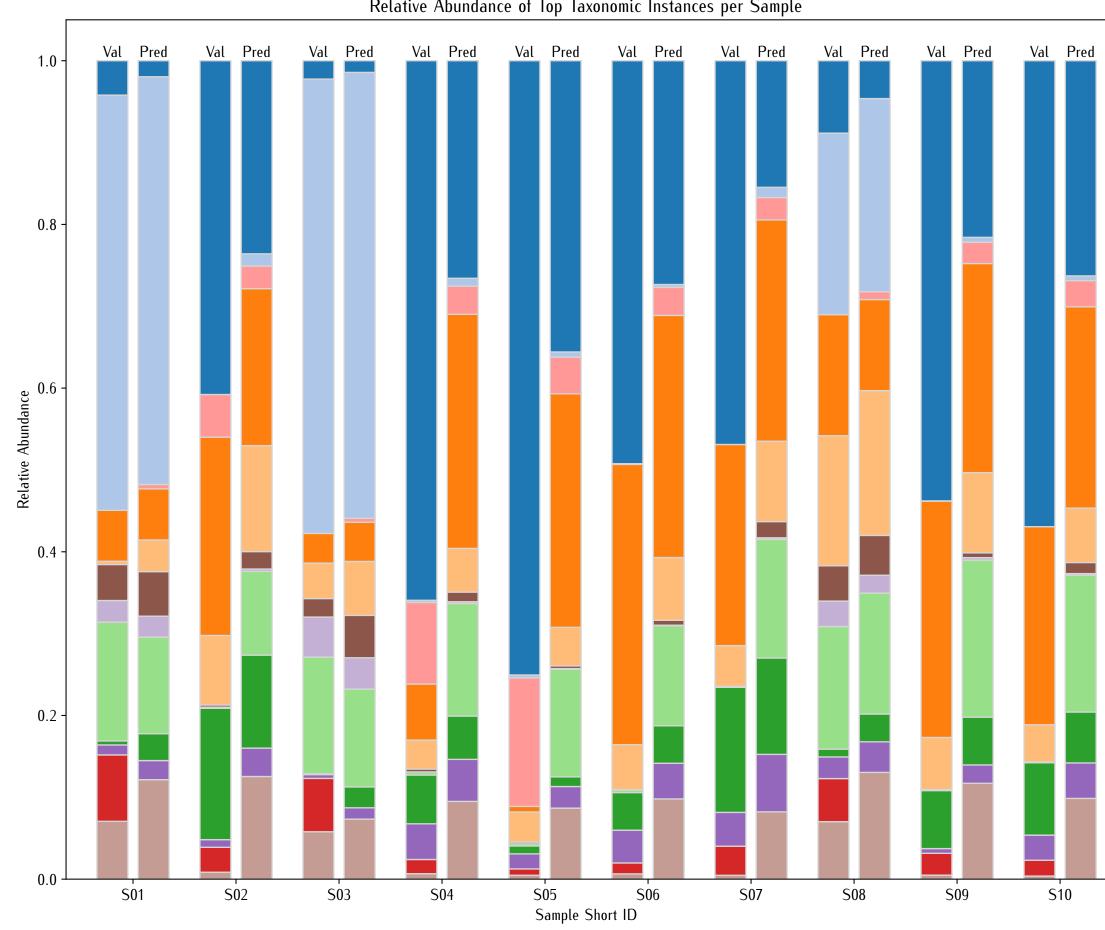
f1-score

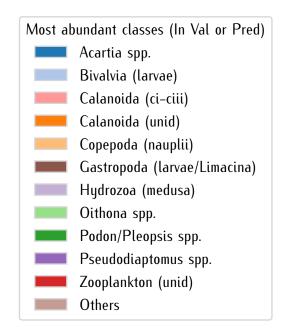
												Contus	sion N	√latrix	– In	per	cent (ot Ac	tual \	/alue											IIIC			ccis per cia	33
A continuo	4E0 ₄		200	~10 _c	-10	20%	20,	20,	~ 10 _c	11	ر را	10, -11	210	~10 _c	10,	~ 10 ₄	~10 ₄	- 10 ₂	10,	1 0	~10 ₄	210/ 21	10, -10,	,	204	10,	-10, -10,		~10 _¢		Acartia spp.	precision	recall	f1-score	
Acartia spp.				<1%					<1%					<1%	1%						< 1%	<1% <1			3%	1% <		6	<1%	(n=18062-	-train=20000) alvia (larvae)	0.90	0.45	0.61	
Bivalvia (larvae)				1%					<1%			1% <19			4.0		<1%		(1% <		40		<1%		4.0	4.0				(n=7955)	5-train=3764)	0.97	0.93	0.95	
Calanoida (unid)		<1%												<1%	<1%			<1% 4	4% 49		<1%				<1%	<1%					anoida (unid) -train=20000)	0.46	0.55	0.50	
Copepoda (nauplii)				93%						(1%		1% <19				1%	<1%			%		<1	1% <1%		_					Сорер о (n=2753-	oda (nauplii) -train=11555)	0.71	0.93	0.81	
Podon/Pleopsis spp.		3%							1% 8	3% <		% <19							1% 29				<1%		<1%	<	<1%			Podon/ P (n=2715	Pleopsis spp. 5-train=7347)	0.78	0.67	0.72	
Oithona spp.				<1%								1%		1%			<1%		(1% 19				1% <1%								Oithona spp. 2-train=5881)		0.78	0.44	1.0
Calanoida (ci-ciii)								5% <				1% <19		1%			<1%		7% 59				1% <1%	ó	<1%					Calan	noida (ci-ciii)	0.09	0.08	0.09	
Pseudodiaptomus spp.								52%		(1%		1% <19		<1%			<1%		2% 49		<1%					<1%				Pseudodia	8-train=5557) aptomus spp.	0.33	0.52	0.40	
Hydrozoa (medusa)												1% <19				<1%			5% <		<1%	19	%		<1%					· ·	9-train=2113) zoa (medusa)				
Gastropoda (larvae/Limacina)	<1%	13%	<1%	7%	13%	<1%	<1%		1% 6	4%	<	1% <19	6						(1% <												1-train=4052)	0.03	0.68	0.75	
Temora spp.	2%		13%	2%	<1%	4%	5%	15%	<	(1% 27	% <	1% <19	6		4%			8	8% 59	%	8%				3%	2% <	<1%			(n=629	9-train=3272)	0.39	0.64	0.48	
Bryozoa (larvae)		<1%	1%	23%	20%		<1%		8	3%	45	5% 1%							<	1%			<1%	ó						(n=308)	Temora spp. 8-train=7347)	0.28	0.27	0.28	0.8
Polychaeta (larvae)	<1%		3%	21%	5%	<1%	<1%	2%	,	1% <	%	44%	ó			3%		7	7% 10)%		<1	1%	<1%		<	<1%			Bryc (n=247	ozoa (larvae) 7-train=1142)	0.34	0.45	0.39	
Ascidiacea (larvae)	<1%		<1%			2%		<1%				2%	90%									<1% 29	% 3%	<1%						Polych (n=23)	aeta (larvae) 7-train=1577)	0.63	0.44	0.52	
Harpacticoida- epibenthic	2%		18%	4%		31%	4%	5%		<	% <	1%		17%		<1%	8%		3% <	1%	<1%	<1	1%		2%	2%				Ascidia	acea (larvae) 94-train=861)	0.05	0.90	0.92	
Centropages spp.	30%		2%			30%	7%	2%		7:	б				11%			4	2% 25	%					5%	2%				Harpacticoida	•	0.10	0.17	0.12	
Echinodermata (larvae)			5%	5%	11%		3%	3%								24%		1	6% 32	2%										•	ropages spp. 4-train=3620)	0.02	0.11	0.03	0.6
Cyclopoida (unid)			13%	9%	4%	4%		13%			13	3%		13%			26%		45	%										Echinodern	nata (larvae)	0.02	0.24	0.04	
Obelia spp. (medusa)			5%		5%	19%	14%	•	10%							5%	1	9% 1	9% 59	%										·	7-train=3043) <pre>ppoida (unid)</pre>				
Evadne spp.			6%		6%													8	61% 69	%										(n=2)	23-train=143)	0.05	0.26	0.09	
Cirripedia (larvae)			6%	44%	6%				(<u>6</u> %						6%			31	%										(n=2)	pp. (medusa) 1-train=1003)	0.13	0.19	0.15	
Chaetognatha													8%							8%		23	62%							(n=16-	Evadne spp. -train=11064)	0.02	0.81	0.03	0.4
Pseudocalanus spp.	29%							14%		14	%				14%						14%				14%						edia (larvae) 6-train=7685)	0.01	0.31	0.01	
Decapoda-non brachyura (larvae)																						100%								C (n=	Chaetognatha =13-train=89)	1.00	0.08	0.14	
Fritillaria spp.																						67	33%							Pseudo	calanus spp. 7-train=4845)		0.14	0.02	
Oikopleura spp.																						100	0%							Decapoda-non brachy	,	0.50	1.00	0.67	
Osteichthyes (larvae)																						100%								Fr	ritillaria spp.		0.67	0.03	0.0
Paracalanus spp.																										100%				Oik	3-train=6992) copleura spp.	0.00	0.00	0.00	0.2
Eurytemora spp.																					100%	5								(n=2)	2-train=5305) hyes (larvae)				
Decapoda-brachyura (zoeae)																											00%			(n	calanus spp.	0.00	0.00	0.00	
	ACAPT	Bivalu	Calan	Copen	Podon	Oitho	Calal	Seller	Hydro	Castro 16	mor	Bryos Por	yes Science	Harps	Centre	Chin	Cyclor	Obeli	Evado (irip Cha	Pex Self	Decap A	ritill Oik	. Oste	Barac	Cury	Decap Colo	an abide	Portanus o	(n= ⁻	1-train=1619)	0.00	0.00	0.00	
	·c	Signalice Spp.	Man.	Copepo ida (unid	100 (100 m)	Oithon Oithon		Pselidol Ci-cl	Tiapto.	Castropod (medusa)		Styotos (la	nacka (Marpallarea (lande)	Ticoide	Dages of	Cyclopol Odermata (iripedia (1	etognatha	Decapodo Sp.	To So	Ostelloura Sp.	Chippes "	Curyten (lans Sp.	Decapoda bi	My Do	Portanus Spp.	(n=´	ytemora spp. 1-train=1818)	0.00	0.00	0.00	
			Q ^C		Y) *4/	Oithon Pleapsi	, 200 i	Cl	ii) Mus	Sport	, dry	%:	de l'	arael au	, de l	Piber		anania	(nedy	'SO/	Nae,	* * 50/2.	brach		Ø. /	(ande)		Chyura .	% ,	Decapoda-brach (n=	=1-train=628)		1.00	0.18	0.0
Acartic Stign Colon Portion Cale Portion Cale Portion of the Cast Portion of the Cast Cale Cale Cale Cale Cale Cale Cale Cale														ae,	(n=	Calanus spp. =0-train=359)	-	-	_																
																								1	a la				Extra	Lab	oidocera spp. =0-train=493)	_	-	_	
														Р	redic	ted \	alues/												training classes	T	Fortanus spp. =0-train=203)	_	_	_	
																														`	avg (corr)	0.33	0.44	0.31	
																															ghted avg		0.60	0.63	
																														wet	gineu avy	0.70	0.00	0.03	



Actual discarded Taxa

Relative Abundance of Top Taxonomic Instances per Sample





Relative Abundance of Top Taxonomic Instances per Sample (Redistributed)

