Use of SCN features: Yes

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

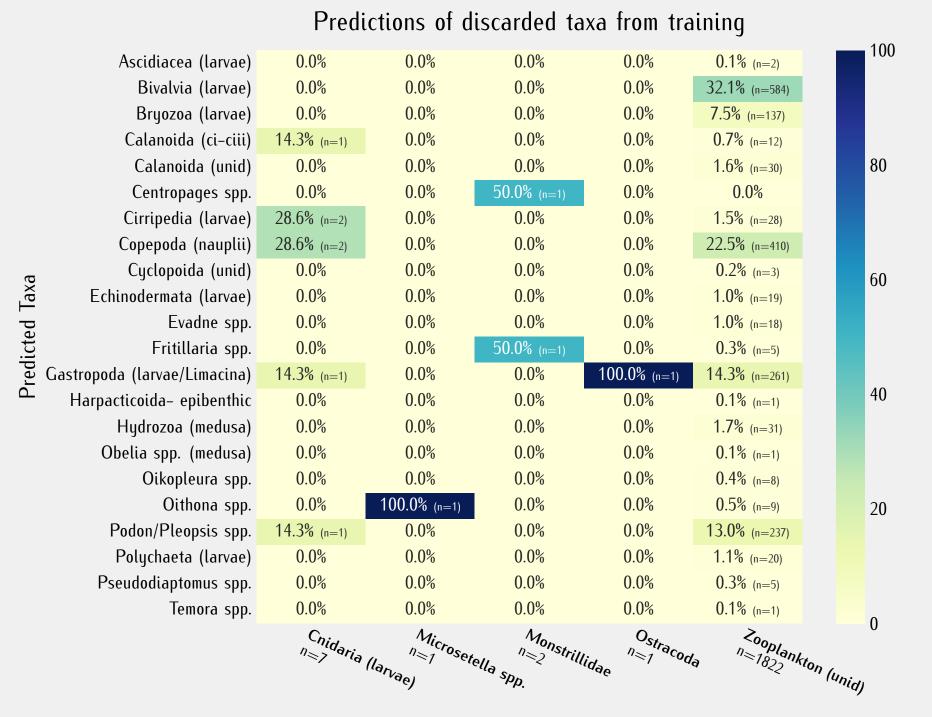
Classification Report Matrix max 5000 learning objects per class

precision

recall

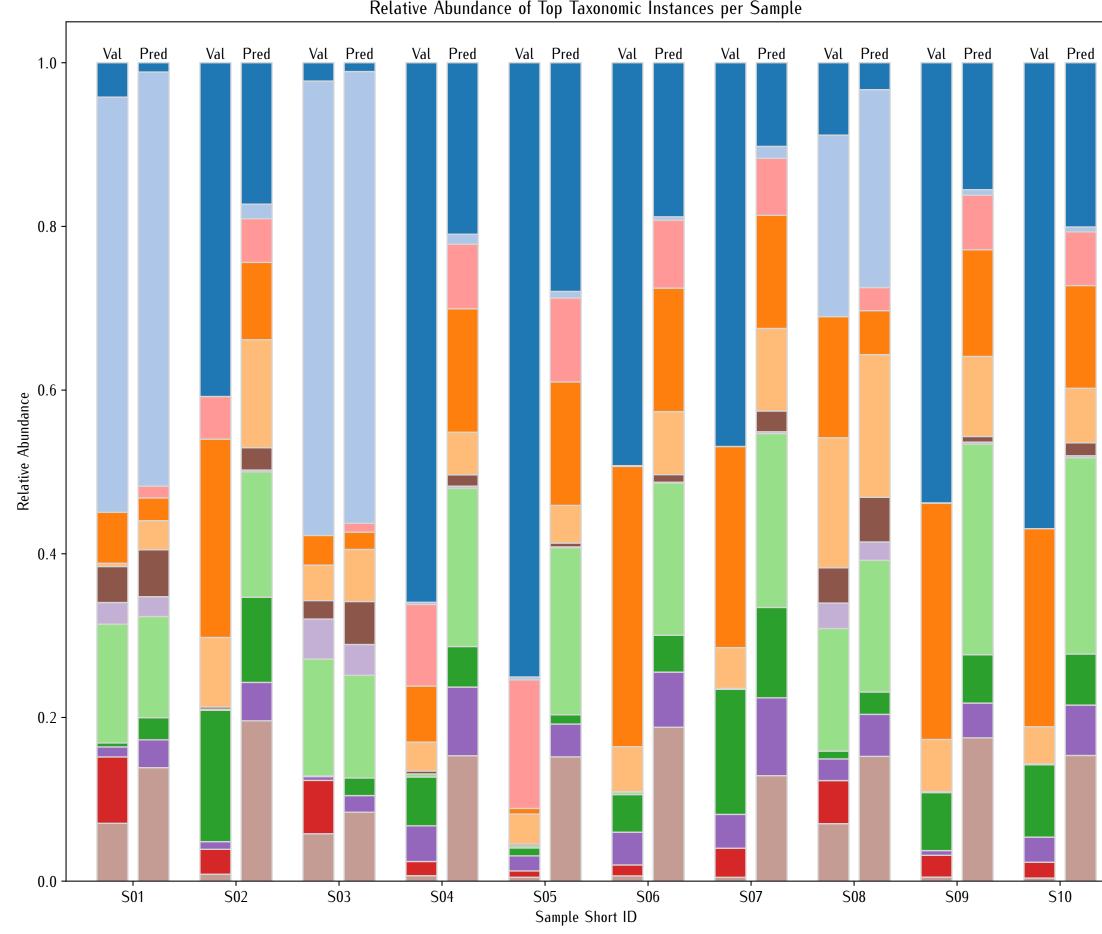
f1-score

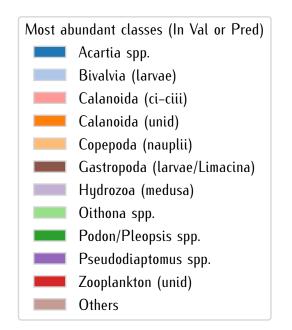
												Con	แนรเด	או ווע	iatrix	– In	perce	ent (or Ac	lual	vatue												,	ta per etas	J
Acartia spp.	33%		11%	~1%	~1%	20%	5%	3%	~1%		~1%	~1%	~1%	~1%	<1%	2%	1% <	1%	·1%	2% <	1%	/1%	<u>_1%</u> _	(1% <1%		6% 5%	~1%		<1%	Acartia spp	,	eision .98	recall 0.33	f1-score 0.50	
Bivalvia (larvae)		94%						5 < 1%				<1%			170		1% <			(1% <		170		(1% < 1%		070 370	170		170	(n=18062-train=5000 Bivalvia (larvae	0)	.96 .97	0.94	0.95	
Calanoida (unid)															1% <							<1%		(1% <1%		<1% <1%				(n=7955-train=3764 Calanoida (unid	4)				
Copepoda (nauplii)								<1%		<1%		<1%			<1%		% <				%			(1% <1%						(n=7711-train=5000 Copepoda (nauplii	0) :\	.45	0.27	0.34	
Podon/Pleopsis spp.		4%	<1%	14%	63%	<1%	<1%	<1%	1%	11%	<1%	3%	<1%					<	(1% <	(1% 1	%			<1%		<1% <1%	<1%			(n=2753-train=5000 Podon/Pleopsis spp	0.7	.70	0.92	0.79	
Oithona spp.			5%	<1%	<1%	79%	2%	5%				<1%			2%	2	% <	1%	<	(1% 1	%		<	<1% <1%						(n=2715-train=5000	0)	.78	0.63	0.70	
Calanoida (ci-ciii)			29%	3%	3%	10%	20%	10%	<1%	<1%		2%	<1%		2%	3	% <	1%	}	3% 6	5%		1	1% <1%		<1%				Oithona spp (n=2572-train=5000	0.2	23	0.79	0.36	1.0
Pseudodiaptomus spp.	<1%		5%	2%	<1%	19%	3%	56%		<1%		<1%	<1%		1% <	<1% 1	% <	1%	2	2% 3	3%	<1%		<1%		3% <1%				Calanoida (ci-ciii (n=1348-train=5000	0)	11	0.20	0.14	
Hydrozoa (medusa)	<1%	2%	<1%		6%	1%	<1%		71%	6%	<1%	<1%	1%			<	1%		1%	5% <	1%	<1%	1	1%		1%				Pseudodiaptomus spr (n=1059-train=2113	3)	24	0.56	0.33	
Gastropoda (larvae/Limacina)	<1%	14%	<1%	7%	9%	<1%	<1%	;	1%	67%		<1%	<1%						<	(1% <	1%									Hydrozoa (medusa (n=671-train=4052	<u>)</u> 0.8	.86	0.71	0.78	
Temora spp.	<1%		5%	2%	<1%	3%	6%	18%			23%	<1%	2%		<1%	3% <	1%		()% 5	5%	13%				6% 3%				Gastropoda (larvae/Limacina (n=629-train=3272	a) 0.3	37	0.67	0.48	
Bryozoa (larvae)		<1%	<1%	25%	18%	<1%			<1%	9%	<1%	44%	1%							<	1%		<	<1%						Temora spp (n=308-train=5000	0.	.26	0.23	0.25	0.8
Polychaeta (larvae)	<1%		1%	23%	6%	<1%	<1%	3%		<1%	<1%	<1%	40%			3	%		Ę	5% 1	3%	<	<1% <	<1% <1%	<1%		<1%			Bryozoa (larvae (n=247-train=1142	(a) 0.	.25	0.44	0.32	
Ascidiacea (larvae)	<1%					3%		<1%					2%	93%								<	<1%	<1% <1%						Polychaeta (larvae (n=237-train=1577	e) 0 /	.47	0.40	0.43	
Harpacticoida- epibenthic	<1%		9%	5%		35%	6%	10%				<1%	<1%		16%	<	1% 7	7%		<	1%	2%				3% 2%				Ascidiacea (larvae	e) 0.0	.96	0.93	0.94	
Centropages spp.	23%					41%	2%				9%				,	4%										9% 2%				(n=194-train=861 Harpacticoida- epibenthi	ic or	.05	0.16	0.08	
Echinodermata (larvae)				5%	14%		3%	5%								2	7%		1	6% 3	0%									(n=108-train=555 Centropages spr).	.02	0.14	0.03	0.6
Cyclopoida (unid)			9%	9%	4%	4%		13%				9%			13%	4	% 2	6%	4	1% 4	1%									(n=44-train=3620 Echinodermata (larvae) •)	.02	0.27	0.03	
Obelia spp. (medusa)			5%		5%	19%			10%									2	4% 1	4% 1	4%		5	5%		5%				(n=37-train=3043 Cyclopoida (unid	o) d)	.05	0.26		
Evadne spp.							6%		6%			6%							7	5% 6	5%									(n=23-train=143 Obelia spp. (medus a	3) 0.0			0.08	
Cirripedia (larvae)			6%	44%						6%			6%			6	%			3	1%									(n=21-train=1003 Evadne spr	3)		0.24	0.20	
Chaetognatha						8%								8%									1	5% 69%						(n=16-train=5000	0)	01	0.75	0.02	0.4
Pseudocalanus spp.	29%							14%			14%											43%								Cirripedia (larvae (n=16-train=5000	0.0	01	0.31	0.01	
Decapoda-non brachyura (larvae)																						1	100%							Chaetognath (n=13-train=89	9) 0.0	.00	0.00	0.00	
Fritillaria spp.																							6	33%						Pseudocalanus spr (n=7-train=4845		.02	0.43	0.03	
Oikopleura spp.																							10	00%						Decapoda-non brachyura (larvae (n=4-train=423		.57	1.00	0.73	
Osteichthyes (larvae)																								100%		4000				Fritillaria spp (n=3-train=5000		.01	0.67	0.02	0.2
Paracalanus spp.																						4000				100%				Oikopleura spr (n=2-train=5000	o. 0.0	.00	0.00	0.00	
Eurytemora spp.																						100%						100%		Osteichthyes (larvae (n=1-train=45	e) 0.0	.00	0.00	0.00	
Decapoda-brachyura (zoeae)		<i>☆</i> .			<i>⊳</i>	<i>Q</i> .		<i>∧</i>	4	\sim	<u>}</u>	8	<i>></i>	4	<i></i> ✓	\sim	<u> </u>	γ) ()	<u> </u>			0 /	♠ O.	0	A A		100%	<u>}</u>	Paracalanus spr).	.00	0.00	0.00	
	Acarri	Sivall Spp.	Via (noid Ope	Podda (no	Oithe Oithe Opplie	ond Spp.	Proide (ci.c.	Yydro.	tos tr	Temora (la)	Bryoto Spp.	Olych	Soldle	Hapacion Cae	Chtropa	Chinode	y Clopol	Obelia St. Ja (unia)	Sidne Sp. (medi	Tripodio	Setognatha (Anae)	ecapod,	Titill Thom	Oleur	Paracalanus Sp. (lange)	Decape Jenora Sp.	Odanus Co	Tortanus Sp.	Eurytemora spr (n=1-train=1818	•	.00	0.00	0.00	
		20.	(An)	30) (1)	nid) (no	140/j.		d (ci.	Pon in	Tus (med	dus (la)	70. 70.	larva) (d)	ra Mari	Olda S	(es 500)	MAKA	(unia	p. meo	%. ° /.	Aran atha	Anus St	non Sp	5 3 X	The Man		o brachu	19 NO 8	(n=1-train=1818 Decapoda-brachyura (zoeae	e) 0.0	.00	0.00	0.00	0.0
						W)	2/2		9	500	Temora (la)	"Clima	DC:		Harpace Tane	e)	benthic		nael	· •	(50)	9	~/	D. OCHY	Ura	de	,	Calanus SPD. D. Calanus SPD. D	FOR	(n=1-train=628 Calanus spr	5)	00	0.00		0.0
													(na)				.(Critillaria Sp. Non brachy	(lan	, Per				(n=0-train=359	9)		_	-	
															D	ر داد ر	J \ /	l											Extra trainin	(n=0-train=493)	3)		-	-	
															Pr	edicte	a va	lues											classes	(n=0-train=203	3)	-	-	-	
																														macro avg (corr	0.2	29	0.41	0.29	
																														weighted ave	0.	.75	0.52	0.56	



Actual discarded Taxa

Relative Abundance of Top Taxonomic Instances per Sample





Relative Abundance of Top Taxonomic Instances per Sample (Redistributed)

