Use of SCN features: No

Actual Values

Max learning objects: 5000 objects/class Strategy N° 12

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 and Zooplankton classes in learning set

Confusion Matrix – In percent of Actual Value

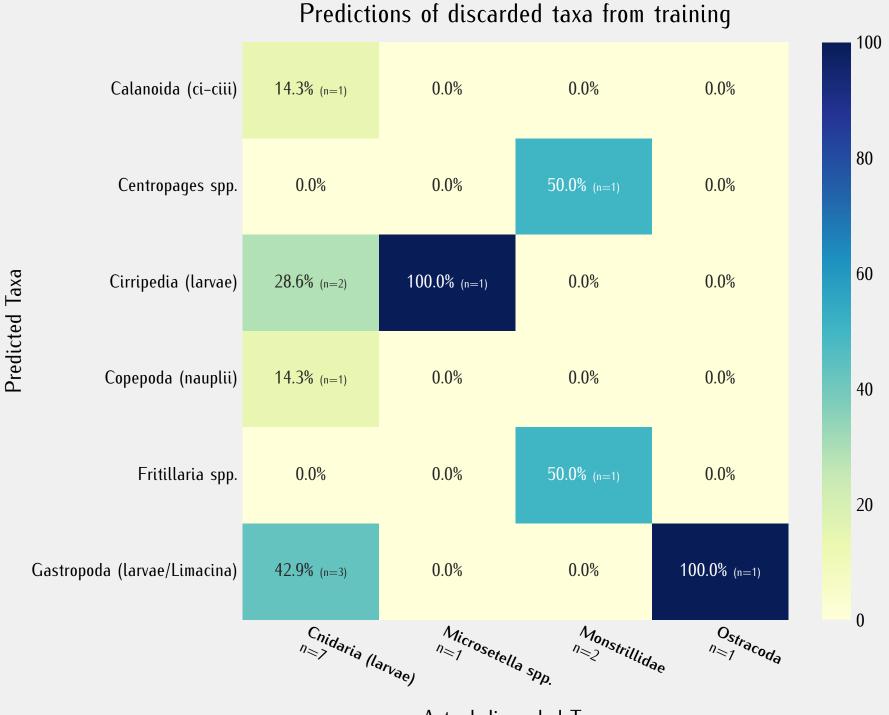
Classification F	Report Matrix
max 5000 learning	objects per class

precision

recall

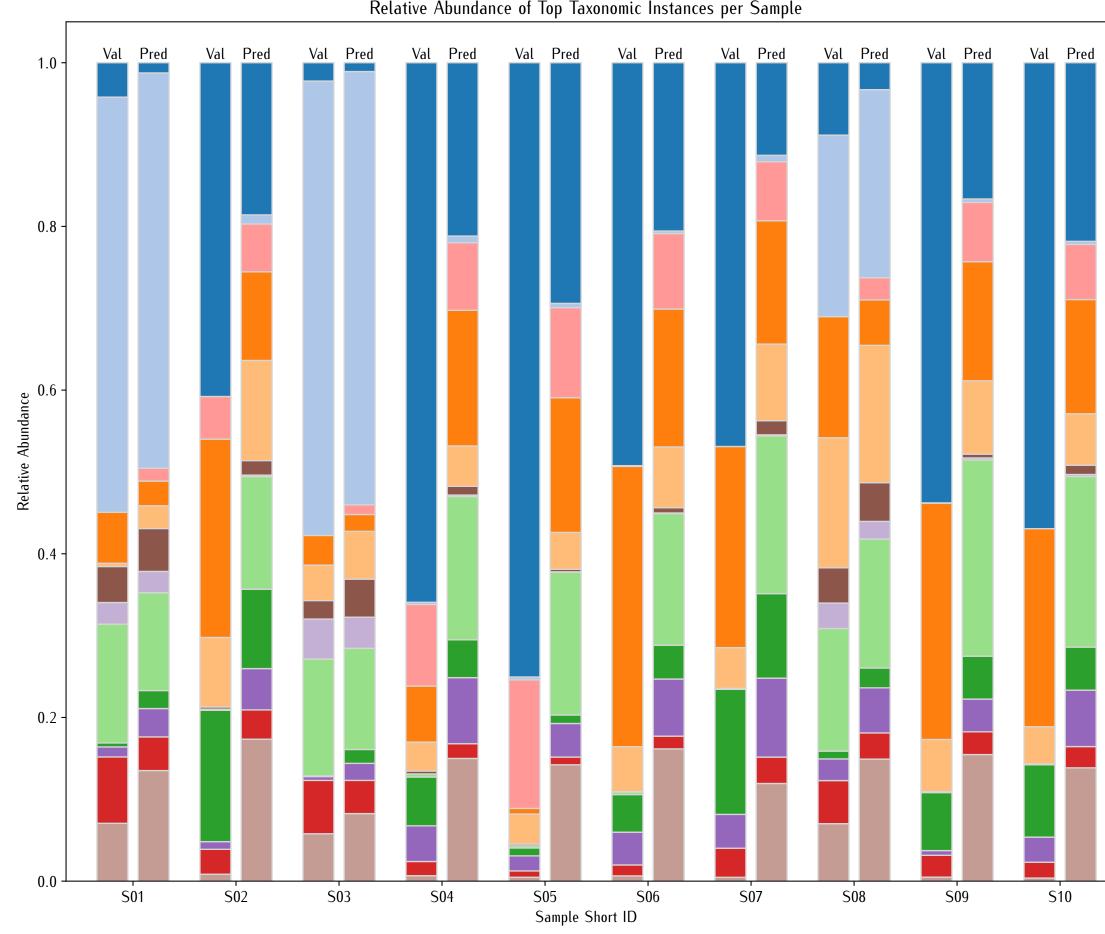
f1-score

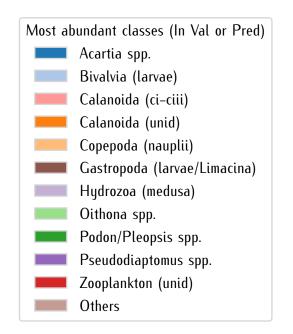
											C	Confu	sion Ma1	trix –	In p	ercen	t of	Actua	l Va	lue													max	5000 lea	arning obj	ects per clá	ISS	
	250		420	4.0	4.0	250	4.0	60 2	0 4	10	4.0	4.0	40 40	4.0	20	4.0	4.0	40 40		4.0	4.0	40 40	40		-0 4	10	4.0	4.0	4.0			Acartia sp		orecision	recall	f1-score		
Acartia spp.								6% 3					<1% <1%								<1% <	(1% < 1%		5	5% 4	\% <	<1% <	<1%	<1%	-		(n=18062-train=500)	00)	0.98	0.35	0.52		
Bivalvia (larvae)								<1% <					<1% <1%			<1% <			% <				<1%									Bivalvia (larva (n=7955-train=376	64)	0.93	0.92	0.92		
Calanoida (unid)													<1% <1%			4% <		<1% 59			<1%	<1%	<1%	<	<1% <	1%						Calanoida (uni (n=7711-train=500		0.42	0.28	0.34		
Copepoda (nauplii)								<1% <		<15		<1%		<1%		2% <	1%		15				<1%									Copepoda (naupl (n=2753-train=500		0.66	0.90	0.76		
Podon/Pleopsis spp.								<1% <		1% 8%	<1%			<1%					% 15				<1%		(1%	<	(1%					Podon/Pleopsis sp (n=2715-train=500	pp.	0.75	0.60	0.67		
Oithona spp.								2% 5					<1% <1%			2% <			% 15				<1%	<	(1%							Oithona sp (n=2572-train=500	pp.	0.25	0.79	0.38		1.0
Zooplankton (unid)		19%						<1% <					1% <1%			<1% <			% 15				<1%			<	<1%					Zooplankton (uni	id)	0.41	0.31	0.35		1.0
Calanoida (ci-ciii)								22% 10					<1%	3%		3% 1			6 59			<1%	<1%		(1%							(n=1822-train=500 Calanoida (ci-ci	iii)	0.11	0.22	0.15		
Pseudodiaptomus spp.								3% 60		<15		<1%		1%		<1% <			6 39		<1%			2	2% 1	%					ı	n=1348-train=500 Pseudodiaptomus sp	00)					
Hydrozoa (medusa)	<1%	2%	<1%	<1%	6%	<1%	2%	<1% <	1% 69	% 6%	<1%	1%	<1%			<1%		1% 49	6 <	1%	<1%	1%		1	1%						·	(n=1059-train=211	13)	0.25	0.60	0.35		
Gastropoda (larvae/Limacina)		12%	<1%	6%	10%	<1%	5%	<1% <	1% 1%	63%	%	<1%	<1%					<1	% <	1%												Hydrozoa (medus (n=671-train=405	52)	0.80	0.69	0.74		
Temora spp.	<1%	í	4%	2%	<1%	3%	<1%	6% 19	9%	<1	% 22%	<1%	2%	<1%	5%	<1%		79	6 69	%	11%			6	5% 3	8% <	(1%				Gastrop	oda (larvae/Limacin n=629-train=327	1 a) 72)	0.35	0.63	0.45		0.8
Bryozoa (larvae)		<1%	<1%	19%	17%	<1%	7%	<1%		6%	5	48%	2%						<	1%			<1%									Temora sp (n=308-train=500)p. 00)	0.25	0.22	0.24		
Polychaeta (larvae)			<1%	19%	5%	<1%	2%	1% 3	%	1%	<1%	<1%	47%			3%	<	<1% 69	6 99	%		<1%		<1%		<	<1%					Bryozoa (larva (n=247-train=114		0.25	0.48	0.33		
Ascidiacea (larvae)	<1%	i				4%		<	1%				1% 91%								<	<1% <1%	2%	<1%								Polychaeta (larva (n=237-train=157	ae)	0.49	0.47	0.48		
Harpacticoida- epibenthic			10%	3%		31%		5% 9	%		<1%	<1%		20%		2% 1	0%	<1	% <	1%	<1%	<1%		2	2% 2	2%						Ascidiacea (larva	ae)	0.91	0.91	0.91		
Centropages spp.	27%					32%		7%			7%				14%				25	%				g	9% 2	2%					Harı	n=194-train=86 pacticoida- epibenth	hic	0.05	0.20	0.08		0.6
Echinodermata (larvae)			3%	3%	11%		3%	3% 3	%							30%		16	% 27	7%									3%			(n=108-train=55 Centropages sp	,					0.6
Cyclopoida (unid)			4%	9%	4%	4%	4%	13	3%			9%		13%		3	0%	49	6 49	%											F	(n=44-train=362 chinodermata (larva	20)	0.02	0.14	0.03		
Obelia spp. (medusa)					5%	24%		5%	10	%				5%		5%	2	24% 10	% 10)%				5	5%						_	(n=37-train=304)	43)	0.02	0.30	0.03		
Evadne spp.			6%							6%	5							75	% 12	2%												Cyclopoida (uni (n=23-train=14	43)	0.04	0.30	0.08		
Cirripedia (larvae)				44%						6%	5	6%				6%			38	3%												Obelia spp. (medus (n=21-train=100	(a) ()3)	0.12	0.24	0.16		
Chaetognatha													8%							8%		23%	62%									Evadne sp (n=16-train=500)p. θθ)	0.01	0.75	0.03		0.4
Pseudocalanus spp.	29%							14	1%		14%				14%						14%			1	4%							Cirripedia (larva (n=16-train=500	ie)	0.01	0.38	0.02		
ecapoda–non brachyura (larvae)																					10	00%										Chaetognat (n=13-train=8	ha	1.00	0.08	0.14		
Fritillaria spp.																						67%	33%									Pseudocalanus sp	pp.	0.01	0.14	0.01		
Oikopleura spp.																						100%									Decapoda-n	(n=7-train=484 on brachyura (larva	ae)	0.50	1.00	0.67		
Osteichthyes (larvae)																					10	00%										(n=4-train=42 Fritillaria sp						0.2
Paracalanus spp.																									10	00%						(n=3-train=500 Oikopleura sp	00)	0.02	0.67	0.03		0.2
Eurytemora spp.																					100%											(n=2-train=500	00)	0.00	0.00	0.00		
Decapoda-brachyura (zoeae)																											00%					Osteichthyes (larva (n=1-train=4	45)	0.00	0.00	0.00		
	Acal	Tia Spp.	(1) Colo	Cop.	So Podo	Oitho	100p	Calan	Schoolid (ci.ciii)	Adr. Ca	Str. Temo	Bryo	Polychaeta (lande)	1/9/D	Centre	Chinode Pages Spp.	Gelo.	Obelia Sp. (Inid)	adp (irin Cha	Pseudoce (lange)	Decap Frit	Oikople	Osteichth, cura Spp.	Para (Cury	Oecan	Calan (abid Torto	25		Paracalanus sp (n=1-train=161	p . 19)	0.00	0.00	0.00		
		10 July 10 10 10 10 10 10 10 10 10 10 10 10 10	" (lan	Oida (Spoda (no		Toople	Ton lunit	Ci.	Oto.	Stropoda (Medusa)		Polychaeta (lanae)	Harpal Harpal Anae)	ticoida	Dayes ode	Than	Obelia Sp.			Pseudoce Vary	Nan, Toda ne		CUTA SP	Paracalar, Myes (lar	Curytemo	ord St	To be	Sp. Sp.	Phys Spp.		Eurytemora sp (n=1-train=181)p. 18)	0.00	0.00	0.00		
				de/		Uplii)	500	(Unic	y Cii)	, Mus s	Op (Constant)	ande/		ar ar	de)	Chipp.	9/	(analy)	(Medi		than t	3/10	n brach	1 %,	(lar	Job John	20	achy.	Wra .	<i>Ø</i> , .	Decapo	da-brachyura (zoea (n=1-train=62	ie) 28)	0.07	1.00	0.13		0.0
											~.	`	Polychaeta (la nacina)			The		*9)				Decapoda no Stanus Spp.	94	1/2/1/2					Abidocera Sp. (Ara (Zoede)			Calanus sp (n=0-train=35	pp.	_	-	-		
																								. Nac	/					xtra		Labidocera sp	pp.	_	_	_		
														Pred	icted	l Value	es												tr	aining asses		(n=0-train=49 Tortanus s p	pp.					
														J J																		(n=0-train=20)	03)	0.24	0.44	0.20		
																																macro avg (cor	_	0.31	0.44	0.29		
																																weighted av	/g	0.73	0.51	0.55		



Actual discarded Taxa

Relative Abundance of Top Taxonomic Instances per Sample





Relative Abundance of Top Taxonomic Instances per Sample (Redistributed)

