Use of SCN features: Yes

Actual Values

Max learning objects: 5000 objects/class Strategy N° 8

NL 2020 Selected Samples prediction using all regions training set, Learning with selected samples classes with no low global training instances, with extra regional training categories, No Anthoathecata, Calanoida, Copepoda, Zooplankton classes in learning set

Classification Report Matrix	
max 5000 learning objects per class	

precision recall f1-score

										Con	fusion	Mat	trix – Ir	n perc	ent of	f Actua	al Val	.ue										m					
																													precision	recall	f1-score		
Temora spp.	56%	9%	3%	17%	2%	<1%	6%	<1%	<1%			<1%	<1%			<1%	<	<1% <	<1%	<1%	<1%	4%	1%	<1%	<1%	<1%	<1%	(11—10103 trutil—3000)	0.71	0.56	0.64		
Acartia spp.	19%	52%	<1%	11%	6%	<1%	5%		1%		<1%		<1%			<1%		<	<1%	<1%		2%	1%		<1%	<1%	<1%	· · · · · · · · · · · · · · · · · · ·		0.52	0.62		
Evadne spp.	<1%	<1%	83%	<1%		5%	<1%	1%	<1%	<1%		3%	<1%			<	<1%	<	<1%	<1%	<1%	<1%	4%		<1%			Evadne spp. (n=5228-train=5000)	0.07	0.83	0.85		
Pseudocalanus spp.	26%	15%	<1%	45%	6%		6%		<1%				<1%	<1%			<	<1% <	<1%	<1%		2%	<1%		<1%		<1%	Pseudocalanus spp. (n=3053-train=4845)	0.23	0.45	0.31		
Centropages spp.					89%									<1%			<	<1% <	-1%				<1%					Centropages spp. (n=330-train=3620)	0.18	0.89	0.30		1.0
							20.					10.		1.0						240					10			Podon/Pleopsis spp. (n=253-train=5000)		0.09	0.07		
Podon/Pleopsis spp.						9%	2%					<1%					1	10%	4%	21%		4%	7%		<1%			Eurytemora spp. (n=178-train=1818)		0.62	0.10		
Eurytemora spp.	7%	13%	4%	1%			62%		2%													8%	1%					Gastropoda (larvae/Limacina) (n=112-train=3272)	0.51	0.62	0.56		
Gastropoda (larvae/Limacina)			2%			21%		62%		7%		4%								2%		2%						Oithona spp. (n=98-train=5000)	0.17	0.86	0.28		0.8
Oithona spp.		6%			1%		1%		86%							2% 1	1%					1%	2%					Bivalvia (larvae) (n=92-train=3764)	0.90	0.90	0.90		
Bivalvia (larvae)								8%		90%		2%																Oikopleura spp. (n=70-train=5000)	0.73	0.77	0.75		
Oikopleura spp.					1%						77%			1%	4%	9%		7%										Hydrozoa (medusa) (n=64-train=4052)	0.11	0.33	0.16		
			5%		2%							33%		6%		2%			44%	20/		2%						Harpacticoida- epibenthic (n=50-train=555)	0.15	0.28	0.20		0.6
Hydrozoa (medusa)												33%		0%		2%		3%	14%	2%								Calanus spp. (n=25-train=359)	0.68	0.68	0.68		
Harpacticoida- epibenthic	6%	22%		30%	2%		10%						28%									2%						Chaetognatha (n=15-train=89)	0.80	0.80	0.80		
Calanus spp.					4%									68%			2	28%										Fritillaria spp. (n=7-train=5000)	0.04	0.43	0.08		
Chaetognatha				7%							13%				80%													Echinodermata (larvae) (n=5-train=3043)	0.00	0.00	0.00		0.4
Fritillaria spp.		14%					14%				14%					43% 14	14%											Decapoda-non brachyura (larvae) (n=2-train=423)	0.04	1.00	0.08		
Echinodermata (larvae)						20%					20%					20%							40%					Obelia spp. (medusa) (n=1-train=1003)	0.01	1.00	0.02		
Decapoda-non brachyura (larvae)																	1	00%										Polychaeta (larvae) (n=1-train=1577)	0.00	0.00	0.00		
· · · · · · · · · · · · · · · · · · ·																			100%									Bryozoa (larvae) (n=0-train=1142)		-	-		0.2
Obelia spp. (medusa)																			00%									Calanoida (ci-ciii) (n=0-train=5000)	-	-	-		
Polychaeta (larvae)				100%												^	^	^		^					1		^	Cirripedia (larvae) (n=0-train=5000)	-	-	-		
	eno	Pora Spp.	rtia Spp.	no Sp.	idocalanus,	Tropages Sp	Jon Curyte Spp. Spp.	Temora Spp.	Stropoda (lan	Sona Sop.	Via Clarae	Cura	Natpacifico (medusa)	Calanus Calanus	Chaetogh	Pritillaria S	Sp. Sp.	Decapode	Obelias	Polycho Spp. (medl. Achyur	Bryozog Maeta (larvae) (larvae)	alan	Poids (ci.cit)	Pedia (larvae)	Microcale Poda (nauplii)	Cuphal	Upha Usia	Copepoda (nauplii) (n=0-train=5000) Microcalanus spp. (n=0-train=80)	-	-	-		
		. 20	20	<i>7</i> 20.	dnus	200. 25. 25.	30. Opsis	500.	o day	200/1:	"drae)	, 500.	Medis	olda Co	Pibenthic	"The		nata (lar	non bra	i. (meg	Musa)	'ande,	Circle	(land	rej nauplij	in Sp.	5 16 16	Microcalanus spp. (n=0-train=80)	-	-	-		0.0
										Inde	ina)				Thic				^A O)	Yura (Jana							Euphausiacea (larvae) (n=0-train=87)	-	-	_		
													Predic	rtad Va	عاباوج						<i>40)</i>						tra	Extra raining lasses Euphausiacea (nauplii) (n=0-train=145)	-	-	-		
													Titute	icu va	lucs												Cit	macro avg (corr)	0.35	0.58	0.37		
																												weighted avg	0.71	0.57	0.62		

Actual discarded Taxa

Relative Abundance of Top Taxonomic Instances per Sample Val Pred 1.0 -0.8 -Relative Abundance 0.4 0.2 -0.0 S25 S21 S22 S23 S24 S26 S27 S28 S29 S30

Sample Short ID

