Use of SCN features: No

Actual Values

Max learning objects: 20000 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

ma		ation Repo arning obj	rt Matrix ects per cla
	precision	recall	f1-score
Temora spp. (n=18103-train=7347)	0.73	0.57	0.64
Acartia spp. (n=13302-train=20000)	0.71	0.62	0.66
Evadne spp. (n=5228-train=11064)	0.86	0.84	0.85
Pseudocalanus spp. (n=3053-train=4845)	0.29	0.40	0.33
Centropages spp. (n=330-train=3620)	0.28	0.85	0.43
Podon/Pleopsis spp. (n=253-train=7347)	0.09	0.17	0.12
Eurytemora spp. (n=178-train=1818)	0.08	0.48	0.14
Gastropoda (larvae/Limacina) (n=112-train=3272)	0.53	0.59	0.56
Oithona spp. (n=98-train=5881)	0.20	0.86	0.33
Bivalvia (larvae) (n=92-train=3764)	0.91	0.93	0.92
Oikopleura spp. (n=70-train=5305)	0.79	0.76	0.77
Hydrozoa (medusa) (n=64-train=4052)	0.18	0.41	0.25
Harpacticoida- epibenthic (n=50-train=555)	0.16	0.28	0.20
Calanus spp. (n=25-train=359)	0.88	0.84	0.86
Chaetognatha (n=15-train=89)	0.76	0.87	0.81
Fritillaria spp. (n=7-train=6992)	0.05	0.43	0.09
Echinodermata (larvae) (n=5-train=3043)	0.00	0.00	0.00
Decapoda-non brachyura (larvae) (n=2-train=423)	0.07	1.00	0.12
Obelia spp. (medusa) (n=1-train=1003)	0.01	1.00	0.03
Polychaeta (larvae) (n=1-train=1577)	0.00	0.00	0.00
Bryozoa (larvae) (n=0-train=1142)	_	_	-
Calanoida (ci-ciii) (n=0-train=5557)	_	_	-
Cirripedia (larvae) (n=0-train=7685)	-	-	-
Copepoda (nauplii) (n=0-train=11555)	-	-	-
Microcalanus spp. (n=0-train=80)	-	-	-
Euphausiacea (larvae) (n=0-train=87)	-	-	-
Euphausiacea (nauplii) (n=0-train=145)	_	_	-
macro avg (corr)	0.38	0.60	0.41

weighted avg 0.69

precision recall f1-score

Confusion Matrix – In percent of Actual Value																													
Temora spp.	57%	15%	3%	13%	2%	<1%	3%	<1%	<1%			<1%	<1%			<1%		<1%	<1%	<1%	<1%	3%	1%	<1%	<1%		<1%		
Acartia spp.	22%	62%	1%	5%	2%	<1%	2%		1%		<1%		<1%			<1%			<1%	<1%		2%	1%	<1%	<1%	<1%	<1%		
Evadne spp.	<1%	<1%	84%	<1%		6%	<1%	<1%	<1%	<1%		2%	<1%				<1%		<1%	<1%	<1%	<1%	4%		<1%				
Pseudocalanus spp.	28%	21%	<1%	40%	4%		3%		<1%				<1%	<1%				<1%	<1%	<1%		2%	<1%		<1%		<1%		
Centropages spp.	10%	4%		<1%	85%													<1%	<1%										
Podon/Pleopsis spp.	27%	<1%	6%	3%		17%	<1%					<1%						6%	2%	26%		2%	8%		<1%				
Eurytemora spp.	9%	25%	5%	2%		<1%	48%		2%													6%	2%				<1%		
Gastropoda (larvae/Limacina)			<1%			23%		59%		7%		3%								4%		2%	<1%						
Oithona spp.		7%							86%							3%	1%					1%	2%						
Bivalvia (larvae)								4%		93%		2%																	
Oikopleura spp.					1%						76%			1%	6%	9%		7%											
Hydrozoa (medusa)	5%		5%									41%		2%		2%			39%	6%		2%							
Harpacticoida- epibenthic	8%	34%		24%	2%		2%						28%									2%							
Calanus spp.				12%										84%				4%											
Chaetognatha				7%							7%				87%														
Fritillaria spp.		14%									29%					43%	14%												Dec
Echinodermata (larvae)			20%			20%										20%						20%	20%						
Decapoda-non brachyura (larvae)																		100%											
Obelia spp. (medusa)																			100%										
Polychaeta (larvae)				100%				_							_											•			
	Temore	Spp.	Spp.	De Sella	ocalan.	Podol, Spp	Euryte Pleopsis	Castro, Spp.	Oithol.	Bivally Basep	Oikop (lande)	Hydro Spp.	Harpa (medil	Calant	Chaette Spp	Stitilla.	Chino	Decap.	Obelle	Spp. (med	Bryon Back	Caland (larvae)	Cirripe	Copep dia (lana	Micros (naup)	Cupho alanyo	Euphali Usiacea (la)	Siacea (naupli)	
					.45	500. SO)	i Ti	⁵⁰ 0.	(A)	de/linac	i de	, <i>*</i> 20.	Harpa (medil		. Dibenthic	₹\$	- <i>D</i> .	10/1	(Anae)	Stachyura !	(USA)	Per Per	Cli	ij ana	all all be		o alla	vae, naupli	ġ
	Temora Acarria Selatocal Proposition Castropoda (International Control of Control of Control of Control of Castropoda (International Control of Control of Control of Control of Castropoda (International Ca																Ex tra												
		Predicted Values														training classes													

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

