Use of SCN features: Yes

Max learning objects: 20000 objects/class Strategy N° 5

Actual Values

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

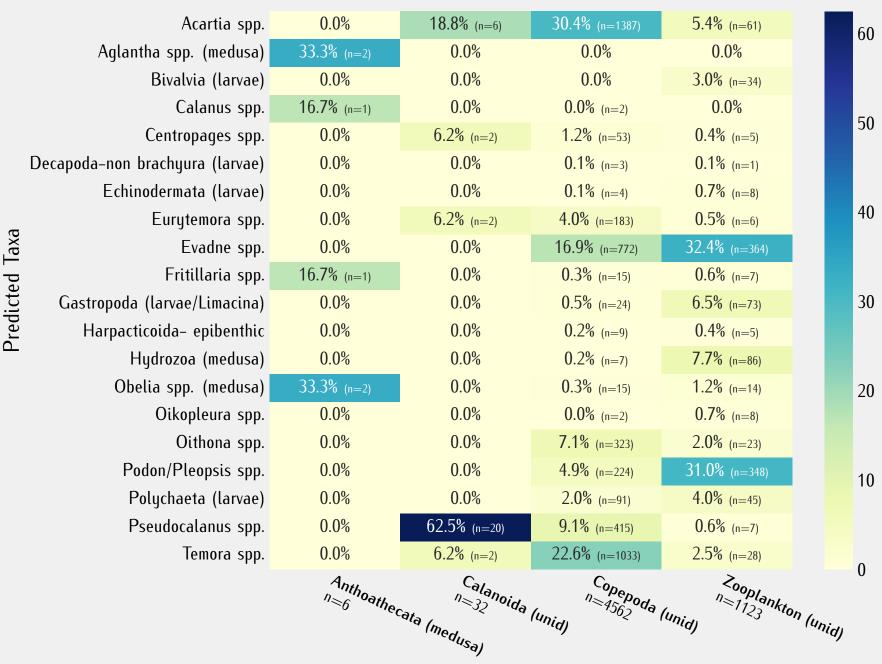
Confusion Matrix - In percent of Actual Value

										Comu	Stull II	via ti tx	- 1111	percer	it Oi /	iciuai	vatue						
Temora spp.	60%	18%	4%	12%	1%	<1%	2%	<1%	<1%			<1%	<1%					<1%		<1%		<1%	<1%
Acartia spp.	19%	70%	2%	4%	2%	<1%	<1%		1%		<1%		<1%					<1%				<1%	<1%
Evadne spp.	<1%	<1%	89%	<1%		6%	<1%	<1%	<1%	<1%		2%	<1%						<1%			<1%	<1%
Pseudocalanus spp.	29%	25%	<1%	39%	4%	<1%	3%		<1%				<1%	<1%						<1%		<1%	<1%
Centropages spp.	8%	4%		<1%	86%									<1%						<1%		<1%	
Podon/Pleopsis spp.	33%	1%	9%	3%		23%	2%	<1%	<1%											9%		2%	17%
Eurytemora spp.	13%	34%	4%	2%		2%	42%		2%				<1%										
Gastropoda (larvae/Limacina)			<1%			27%		59%		7%		5%											<1%
Oithona spp.		10%	1%						86%									2%	1%				
Bivalvia (larvae)								8%		90%		2%											
Oikopleura spp.	1%				1%						76%			1%	4%			10%		6%			
Hydrozoa (medusa)	3%		6%		2%							2 7 %		5%			5%	2%		2%		47%	3%
Harpacticoida- epibenthic	10%	40%		26%	2%		2%						18%										2%
Calanus spp.					4%									68%						28%			
Chaetognatha				7%							20%				73%								
Chiridius spp.	7%			50%										36%						7%			
Aglantha spp. (medusa)												20%		20%			50%					10%	
Fritillaria spp.		14%									14%							57%	14%				
Echinodermata (larvae)						20%			40%		20%							20%					
Metridia spp.				50%										50%									
Decapoda-non brachyura (larvae)														50%						50%			
Cnidaria (larvae)	50%					50%																	
Obelia spp. (medusa)																						100%	
Polychaeta (larvae)				100%																			
Amphipoda														100%									
Tomopteris spp.					100%																		
	Temor.	Acarrica Spp.	Spp.	PSello.	Centro Centro	Podoli,	Pleasis	Castro anora Spp.	Oithol Doda (lane	Biralia Do Spo.	Oikopi (lange)	Hydro, Spp.	Tarpal (medus	Calanto Calanto	Chaele Is SPD. POIL	Chirian Chirian	Aglani Spp.	Fritillal,	Schinodermal	of thidia Sp.	Chidaria Poda Poda Poda Poda Poda Poda Poda Pod	Obelia (larvae)	Polychaeta (larvae)
								X,		Aimacine	y				oenthic				(USB)	· Vaej	.0	YUTA (la	Prae,
	Predicted Values																						

má	Classification Report Matrix ax 20000 learning objects per class								
	precision	recall	f1-score						
Temora spp. (n=18103-train=7347)	0.75	0.60	0.67						
Acartia spp. (n=13302-train=20000)	0.69	0.70	0.69						
Evadne spp. (n=5228-train=11064)	0.82	0.89	0.85						
Pseudocalanus spp. (n=3053-train=4845)	0.29	0.39	0.34						
Centropages spp. (n=330-train=3620)	0.32	0.86	0.46	1.0					
Podon/Pleopsis spp. (n=253-train=7347)	0.11	0.23	0.15						
Eurytemora spp. (n=178-train=1818)	0.10	0.42	0.16						
Gastropoda (larvae/Limacina) (n=112-train=3272)	0.50	0.59	0.54						
Oithona spp. (n=98-train=5881)	0.18	0.86	0.30	0.8					
Bivalvia (larvae) (n=92-train=3764)	0.90	0.90	0.90						
Oikopleura spp. (n=70-train=5305)	0.82	0.76	0.79						
Hydrozoa (medusa) (n=64-train=4052)	0.13	0.27	0.17						
Harpacticoida- epibenthic (n=50-train=555)	0.24	0.18	0.21	0.0					
Calanus spp. (n=25-train=359)	0.50	0.68	0.58						
Chaetognatha (n=15-train=89)	0.79	0.73	0.76						
Chiridius spp. (n=14-train=1)	0.00	0.00	0.00	0.4					
Aglantha spp. (medusa) (n=10-train=22)	0.62	0.50	0.56	U.					
Fritillaria spp. (n=7-train=6992)	0.07	0.57	0.12						
Echinodermata (larvae) (n=5-train=3043)	0.00	0.00	0.00						
Metridia spp. (n=2-train=16)	0.00	0.00	0.00	0.2					
ecapoda-non brachyura (larvae) (n=2-train=423)	0.03	0.50	0.05						
Cnidaria (larvae) (n=2-train=25)	0.00	0.00	0.00						
Obelia spp. (medusa) (n=1-train=1003)	0.01	1.00	0.02						
Polychaeta (larvae) (n=1-train=1577)	0.00	0.00	0.00	0.0					
Amphipoda (n=1-train=27)	0.00	0.00	0.00						
Tomopteris spp. (n=1-train=1)	0.00	0.00	0.00						
macro avg	0.30	0.45	0.32						
weighted avg	0.69	0.65	0.67						

precision recall f1-score

Predictions of discarded taxa from training



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 S21 S22 S23 S24 S25 S26 S27 S28 S29 S30

Sample Short ID

