Use of SCN features: Yes

Max learning objects: 20000 objects/class Strategy N° 1

Actual Values

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

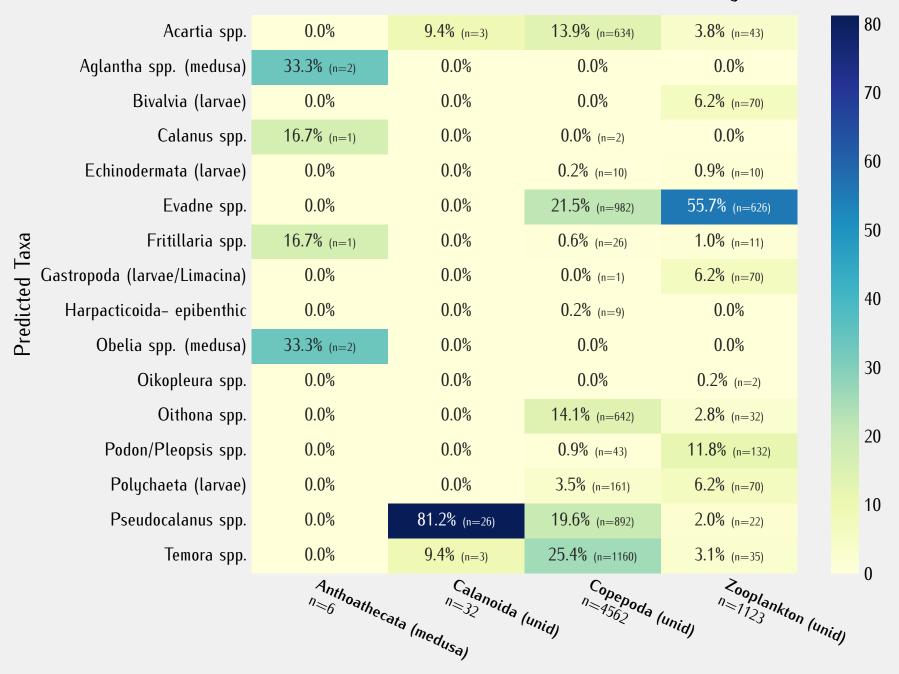
Confusion Matrix - In percent of Actual Value

										Comu	Stull I	viatita	- 111	percer	it Ui /	ıcıuaı	vatue						
Temora spp.	61%	9%	5%	20%		<1%			3%				<1%					<1%	<1%			1%	
Acartia spp.	22%	60%	2%	12%		<1%			3%				<1%					<1%	<1%			<1%	
Evadne spp.	1%	<1%	95%	<1%		2%		<1%	<1%	<1%									<1%			<1%	
Pseudocalanus spp.	32%	16%	<1%	50%					<1%				<1%	<1%			<1%	<1%				<1%	
Centropages spp.	22%	71%		3%	4%									<1%							<1%		
Podon/Pleopsis spp.	30%	<1%	18%	4%		12%			<1%					<1%					<1%			34%	
Eurytemora spp.	35%	15%	12%	19%					17%				<1%									2%	
Gastropoda (larvae/Limacina)			16%			21%		37%		13%												12%	
Oithona spp.		6%	3%						89%									1%	1%				
Bivalvia (larvae)								18%		82%													
Oikopleura spp.	1%	1%									79%			1%	1%			16%					
Hydrozoa (medusa)	6%		19%									2%		8%			25%	3%	2%		16%	20%	
Harpacticoida- epibenthic	12%	16%	2%	42%					6%				20%									2%	
Calanus spp.				16%										84%									
Chaetognatha				7%							13%				80%								
Chiridius spp.	7%			64%										29%									
Aglantha spp. (medusa)														10%			80%				10%		
Fritillaria spp.									14%									86%					
Echinodermata (larvae)			20%			20%			20%									40%					
Metridia spp.				50%										50%									
ecapoda-non brachyura (larvae)														100%									
Cnidaria (larvae)	50%																		50%				
Obelia spp. (medusa)																					100%		
Polychaeta (larvae)				100%																			
Amphipoda														100%									
Tomopteris spp.									_					100%									
	Temore	Acartic	· Chadh	PSella Spp.	Centro Centro	Podol	Curytell Pleans is sh	Tastro	Oithon	Bivalle Relinacing	Oikopi (lange)	Klydro, Pp.	Harpa (medus	Calanto Calant	ys Chart	Chirida Anatha	Aglann,	Fritilla,	Schinodermata (. Do O	Chidaria Obelle	Polychaeta (larvae)	Tomopteris
		<i>70</i> .	<i>70</i> .	1/0	dlanus s	49 ₀₅ 50/2	leopsis s	Ora Spp.	oda (lan		(larvae)	JA SOD	medu	COIDA	Sp.	natha .	500	Spp. (1)	Spp. "Thata	* 50p. * 10.	ron by larvae	pp. cta lara	i Ti
					*		. %	Zó.	· c	olimaci.			J		Dibenthic			1/6	(h ₅₈₎	on de	achyura.	dusa) do)	
										In	シ				`('						Cnidaria (larvae)	nae,	
												P	redicte	d Valu	IPS								
														Tata									

má	Classification Report Matrix nax 20000 learning objects per class								
	precision	recall	f1-score						
Temora spp. (n=18103-train=5148)	0.73	0.61	0.67						
Acartia spp. (n=13302-train=5448)	0.77	0.60	0.67						
Evadne spp. (n=5228-train=2845)	0.79	0.95	0.86						
Pseudocalanus spp. (n=3053-train=4552)	0.22	0.50	0.31						
Centropages spp. (n=330-train=40)	1.00	0.04	0.07	1					
Podon/Pleopsis spp. (n=253-train=201)	0.19	0.12	0.15						
Eurytemora spp. (n=178-train=88)	0.00	0.00	0.00						
Gastropoda (larvae/Limacina) (n=112-train=110)	0.53	0.37	0.43						
Oithona spp. (n=98-train=1409)	0.07	0.89	0.13	0					
Bivalvia (larvae) (n=92-train=71)	0.77	0.82	0.79						
Oikopleura spp. (n=70-train=761)	0.96	0.79	0.87						
Hydrozoa (medusa) (n=64-train=21)	1.00	0.02	0.03						
Harpacticoida- epibenthic (n=50-train=136)	0.29	0.20	0.24	0					
Calanus spp. (n=25-train=213)	0.53	0.84	0.65						
Chaetognatha (n=15-train=67)	0.92	0.80	0.86						
Chiridius spp. (n=14-train=1)	0.00	0.00	0.00	0					
Aglantha spp. (medusa) (n=10-train=21)	0.32	0.80	0.46						
Fritillaria spp. (n=7-train=3447)	0.05	0.86	0.10						
Echinodermata (larvae) (n=5-train=276)	0.00	0.00	0.00						
Metridia spp. (n=2-train=15)	0.00	0.00	0.00	0					
capoda-non brachyura (larvae) (n=2-train=7)	0.00	0.00	0.00						
Cnidaria (larvae) (n=2-train=3)	0.00	0.00	0.00						
Obelia spp. (medusa) (n=1-train=43)	0.08	1.00	0.14						
Polychaeta (larvae) (n=1-train=452)	0.00	0.00	0.00	0					
Amphipoda (n=1-train=1)	0.00	0.00	0.00						
Tomopteris spp. (n=1-train=1)	0.00	0.00	0.00						
macro avg	0.36	0.39	0.29						
weighted avg	0.70	0.63	0.65						

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

