Use of SCN features: Yes

Max learning objects: Maximum 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

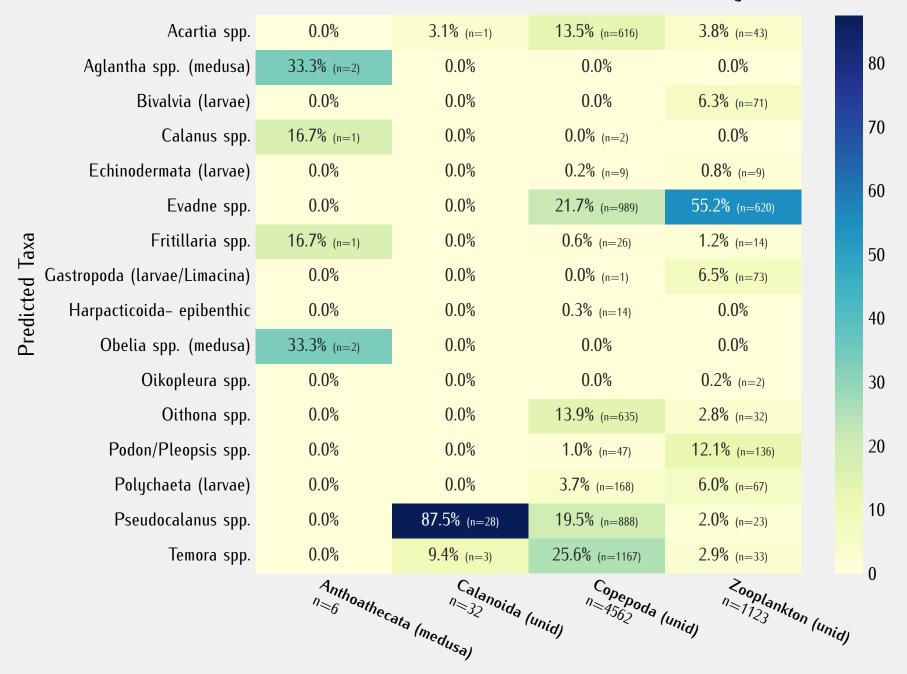
Temora spp.	61%	9%	5%	20%		<1%		<1%	3%				<1%				<1%	<1%	<1%					1%	
Acartia spp.	22%	60%	2%	12%		<1%			3%				<1%					<1%	<1%					<1%	
Evadne spp.	<1%	<1%	95%	<1%		2%		<1%	<1%	<1%									<1%					<1%	
Pseudocalanus spp.	31%	16%	<1%	51%					<1%				<1%	<1%			<1%	<1%						<1%	
Centropages spp.	22%	72%		2%	3%									<1%									<1%		
Podon/Pleopsis spp.	29%	<1%	17%	4%		10%			<1%					<1%					1%					37%	
Eurytemora spp.	33%	16%	12%	20%					17%				1%											2%	
Gastropoda (larvae/Limacina)			13%			28%		35%		12%														12%	
Oithona spp.		5%	4%						87%									3%						1%	
Bivalvia (larvae)								20%		80%															
Oikopleura spp.	1%	1%									71%			1%	3%			21%							
Hydrozoa (medusa)	3%	2%	17%									2%		8%			19%	3%	2%				17%	28%	
Harpacticoida- epibenthic	10%	28%	2%	40%					4%				16%												
Calanus spp.				16%										84%											
Chaetognatha				7%							13%				80%										
Chiridius spp.	7%			64%										29%											
Aglantha spp. (medusa)												10%		10%			70%						10%		
Fritillaria spp.									14%									86%							
Echinodermata (larvae)			20%			20%			20%									40%							
Metridia spp.				50%										50%											
capoda-non brachyura (larvae)														100%											
Cnidaria (larvae)	50%		50%																						
Obelia spp. (medusa)																							100%		
Polychaeta (larvae)				100%																					
Amphipoda														100%											
Tomopteris spp.		100%																							
	Temoro	Acarric Spp.	SPD.	Pseudo Spp.	Centrop Ocalanus Sp.	Podon pages Spp.	Pleopsis Sp.	Castrol	Oithone Poda (larra	Bivalue Spp. Selinacina	Oikople (lange)	Alydro Spp.	Harpar (nedus	Calanu, Calanu	Chaeto, Spp. Dibenthic	Chiridius of the control of the cont	Aglanthe Spp.	Fritillar, Spp. (me	Chinode Spp.	Metride	Decapor	Chidan	Obelia (lange) achyura (Polychaeta (lanae)	Tomop

Predicted Values

max		ation Repo learning ol	rt Matrix bjects per cl	ass
	precision	recall	f1-score	
Temora spp. (n=18103-train=5148)	0.73	0.61	0.67	
Acartia spp. (n=13302-train=5448)	0.76	0.60	0.67	
Evadne spp. (n=5228-train=2845)	0.79	0.95	0.86	
Pseudocalanus spp. (n=3053-train=4552)	0.23	0.51	0.31	
Centropages spp. (n=330-train=40)	1.00	0.03	0.06	
Podon/Pleopsis spp. (n=253-train=201)	0.15	0.10	0.12	
Eurytemora spp. (n=178-train=88)	0.00	0.00	0.00	
Gastropoda (larvae/Limacina) (n=112-train=110)	0.51	0.35	0.41	
Oithona spp. (n=98-train=1409)	0.07	0.87	0.14	
Bivalvia (larvae) (n=92-train=71)	0.79	0.80	0.80	
Oikopleura spp. (n=70-train=761)	0.96	0.71	0.82	
Hydrozoa (medusa) (n=64-train=21)	0.50	0.02	0.03	
Harpacticoida- epibenthic (n=50-train=136)	0.22	0.16	0.18	
Calanus spp. (n=25-train=213)	0.54	0.84	0.66	
Chaetognatha (n=15-train=67)	0.86	0.80	0.83	
Chiridius spp. (n=14-train=1)	0.00	0.00	0.00	
Aglantha spp. (medusa) (n=10-train=21)	0.33	0.70	0.45	
Fritillaria spp. (n=7-train=3447)	0.05	0.86	0.09	
Echinodermata (larvae) (n=5-train=276)	0.00	0.00	0.00	
Metridia spp. (n=2-train=15)	0.00	0.00	0.00	
ecapoda-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)	0.07	1.00	0.13	
Polychaeta (larvae) (n=1-train=452)	0.00	0.00	0.00	
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	0.33	0.38	0.28	
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

