

Use of SCN features: No
Max learning objects: 20000 objects/class
Strategy N° 7

NL 2021 Selected Samples prediction using all regions training set,
Learning with selected samples classes with no low global training instances, no extra training categories,
No Calanoida (ci-vi), Cyclopoida, Zooplankton classes in learning set

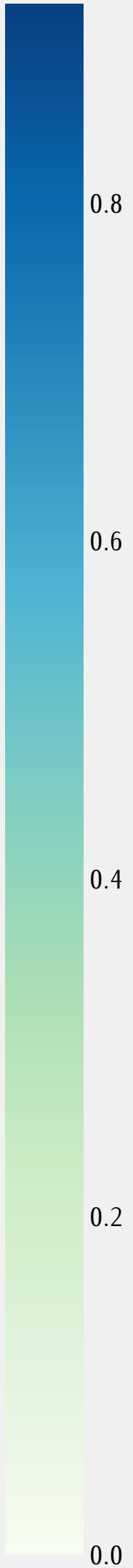
Confusion Matrix - In percent of Actual Value

Classification Report Matrix
max 20000 learning objects per class

Actual Values

		Predicted Values																						
Actual Values	Acartia spp.	79%	<1%	7%	5%	1%		<1%	2%	<1%	3%			<1%			<1%	<1%		<1%		<1%		
	Evadne spp.	<1%	89%	<1%	<1%	<1%	<1%	4%	<1%	<1%		<1%	2%	<1%	4%	<1%				<1%				
	Temora spp.	19%	2%	57%	7%	2%	<1%	<1%	6%		5%			<1%	<1%		<1%	<1%		<1%		3%		
	Pseudocalanus spp.	28%		10%	50%				3%		5%			<1%							<1%	3%		<1%
	Oithona spp.	14%	<1%	<1%		76%			2%	<1%	<1%	<1%					3%					<1%	<1%	
	Bryozoa (larvae)		24%			<1%	58%	3%	2%			2%		<1%	9%		<1%			<1%				
	Podon/Pleopsis spp.	1%	13%	29%	2%		<1%	33%	4%	<1%	<1%				<1%					10%		1%		5%
	Calanoida (ci-ciii)	18%	12%	14%	5%	4%		12%	24%		4%							3%		2%	2%			<1%
	Oikopleura spp.	<1%		3%	2%	2%					76%		<1%				8%		3%					5%
	Centropages spp.	10%		3%	1%					1%	78%												5%	1%
	Echinodermata (larvae)	4%				14%		2%	2%	6%		18%			2%		48%			2%				2%
	Gastropoda (larvae/Limacina)		2%					2%					66%		4%	13%				13%				
	Harpacticoida- epibenthic	34%	4%	6%	4%	2%			2%					36%								11%		
	Hydrozoa (medusa)		2%				4%	6%				2%			55%		17%			4%	2%			6%
	Bivalvia (larvae)						5%	5%					7%		5%	73%				7%				
	Fritillaria spp.	3%				6%				29%							62%							
	Microcalanus spp.	6%	6%	13%	13%			19%	13%									13%		3%		13%		
	Chaetognatha									32%									61%	4%				4%
	Polychaeta (larvae)	5%	10%	5%	5%			5%					5%	5%						55%				5%
	Calanus spp.				7%						7%										71%			14%
	Eurytemora spp.	40%		10%	20%						20%											10%		
	Tortanus spp.	50%																					50%	
	Decapoda-non brachyura (larvae)																				100%			
		Acartia spp.	Evadne spp.	Temora spp.	Pseudocalanus spp.	Oithona spp.	Bryozoa (larvae)	Podon/Pleopsis spp.	Calanoida (ci-ciii)	Oikopleura spp.	Centropages spp.	Echinodermata (larvae)	Gastropoda (larvae/Limacina)	Harpacticoida- epibenthic	Hydrozoa (medusa)	Bivalvia (larvae)	Fritillaria spp.	Microcalanus spp.	Chaetognatha	Polychaeta (larvae)	Calanus spp.	Eurytemora spp.	Tortanus spp.	Decapoda-non brachyura (larvae)

		precision	recall	f1-score
Acartia spp. (n=2490-train=20000)		0.75	0.79	0.77
Evadne spp. (n=1931-train=11064)		0.91	0.89	0.90
Temora spp. (n=1416-train=7347)		0.67	0.57	0.62
Pseudocalanus spp. (n=1044-train=4845)		0.68	0.50	0.58
Oithona spp. (n=345-train=5881)		0.78	0.76	0.77
Bryozoa (larvae) (n=248-train=1142)		0.92	0.58	0.71
Podon/Pleopsis spp. (n=230-train=7347)		0.39	0.33	0.36
Calanoida (ci-ciü) (n=130-train=5557)		0.14	0.24	0.18
Oikopleura spp. (n=115-train=5305)		0.73	0.76	0.74
Centropages spp. (n=88-train=3620)		0.25	0.78	0.38
Echinodermata (larvae) (n=50-train=3043)		0.45	0.18	0.26
Gastropoda (larvae/Limacina) (n=47-train=3272)		0.48	0.66	0.55
Harpacticoida- epibenthic (n=47-train=555)		0.68	0.36	0.47
Hydrozoa (medusa) (n=47-train=4052)		0.20	0.55	0.29
Bivalvia (larvae) (n=44-train=3764)		0.80	0.73	0.76
Fritillaria spp. (n=34-train=6992)		0.23	0.62	0.34
Microcalanus spp. (n=31-train=80)		0.36	0.13	0.19
Chaetognatha (n=28-train=89)		0.85	0.61	0.71
Polychaeta (larvae) (n=20-train=1577)		0.19	0.55	0.28
Calanus spp. (n=14-train=359)		0.59	0.71	0.65
Eurytemora spp. (n=10-train=1818)		0.01	0.10	0.02
Tortanus spp. (n=2-train=203)		0.12	0.50	0.20
Decapoda-non brachyura (larvae) (n=1-train=423)		0.00	0.00	0.00
macro avg		0.49	0.52	0.47
weighted avg		0.73	0.70	0.71
		precision	recall	f1-score



Predictions of discarded taxa from training

[illegible]

Relative Abundance of Top Taxonomic Instances per Sample

