Use of SCN features: Yes

Actual Values

Max learning objects: 200 objects/class Strategy N° 8

PA 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 Calanoida (civ-vi), Cyclopoida, Zooplankton classes in learning set

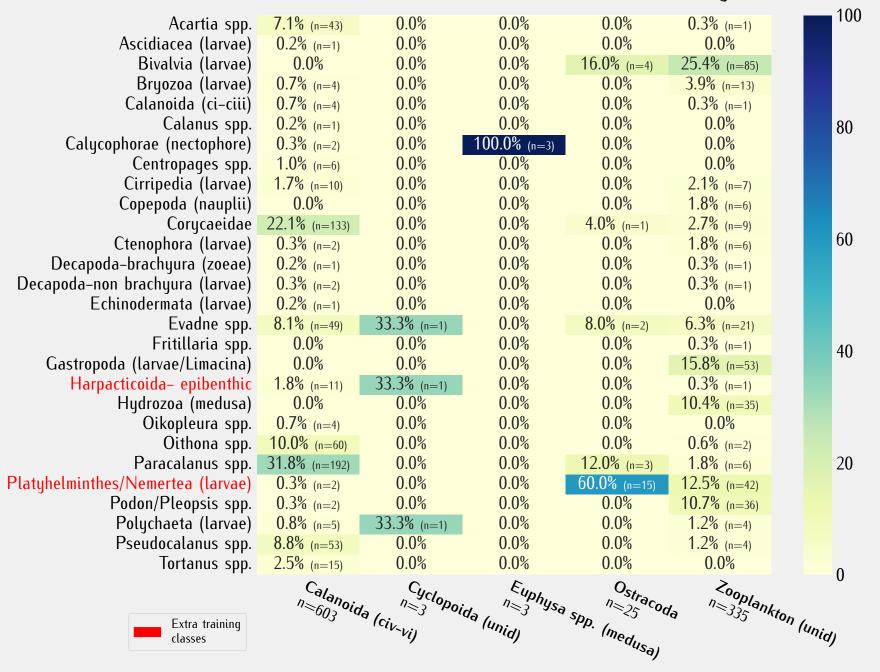
Confusion Matrix – In percent of Actual Value

Classification Report Matrix max 200 learning objects per class

precision recall f1-score

	Confusion Matrix – In percent of Actual Value																	f1-score														
Cirripedia (larvae)	51%	<1%	<1	% 11%	s <1 ⁹	½ 12%	<1%	s <1%	2%	2%	<1%	<1%	1%	<1%	3%	1%	4%	<1%	<1%	4%		3%	<1%		<1%	2%		1%	Cirripedia (larvae (n=3231-train=200	precision 0.92	recall 0.51	0.66
Acartia spp.	<1%	15%	<1	% <1%	6 <1 ⁹	% <1%	23%	<1%	31%					2%		<1%	<1%			3%	<1%	13%	8%				2%		Acartia spp (n=2290-train=200	0.	0.15	0.25
Oikopleura spp.	<1%	<1%	615	% <1%	6 18%	ó 2%	<1%	s <1%	2%			<1%	<1%	<1%	2%	3%	<1%	<1%	<1%	<1%	1%	1%	<1%		<1%	<1%	<1%	2%	Oikopleura spp (n=1773-train=200	0.00	0.61	0.72
Podon/Pleopsis spp.	12%		<1	% 25%	i	25%	<1%	<1%	15%	1%		4%	2%	<1%		<1%	<1%	4%	<1%	<1%		1%	<1%		<1%	6%	<1%	1%	Podon/Pleopsis spp	0.25	0.25	0.25
Fritillaria spp.	<1%	2%	269	%	45%	1%	4%		<1%			<1%	1%		5%	<1%				<1%	1%	11%			<1%		1%	<1%	(n=607-train=200 Fritillaria spp (n=475-train=200	')	0.45	0.41
Evadne spp.	4%		<1	% 5%		45%	1%	<1%	7%	1%	<1%	<1%	17%		1%	<1%		6%				<1%			<1%	3%	<1%	5%	(n=475-train=200 Evadne spp		0.45	0.27
Corycaeidae	<1%	5%	1%	1%		1%	67%		8%			1%		1%		<1%			<1%	1%		1%	4%			<1%	3%	<1%	(n=358-train=200	0.20		
Calanoida (ci-ciii)	11%	3%		9%		19%	10%	3%	9%			5%			7%							10%			2%	5%	7%	<1%	Corycaeida (n=335-train=200		0.67	0.39
Paracalanus spp.		2%			<19	б	<1%	á	58%					<1%				<1%		2%			33%			<1%	<1%	<1%	Calanoida (ci-ciii (n=150-train=200	0.24	0.03	0.05
Gastropoda (larvae/Limacina)	2%			19%	i	11%			4%	46%	2%	<1%	2%					<1%				3%			2%	3%		4%	Paracalanus spp (n=141-train=200	0.00	0.58	0.14
Bivalvia (larvae)				4%		1%	Ш			8%	61%		9%												1%	1%		14%	Gastropoda (larvae/Limacina (n=126-train=200	0.41	0.46	0.43
Polychaeta (larvae)	11%	5%		9%		11%	3%			2%		11%			2%		5%	6%	5%			3%	14%		2%			2%	Bivalvia (larvae (n=96-train=200	0.91	0.61	0.73
Hydrozoa (medusa)									4%				25%	2%		16%	2%	49%											Polychaeta (larvae (n=65-train=200	0.10	0.11	0.11
Centropages spp.		10%	2%	S .			2%		4%					28%		2%			8%	20%			18%	6%					Hydrozoa (medusa (n=55-train=200	0.07	0.25	0.11
Echinodermata (larvae)					2%				2%				71%	_		2%		7%					_			2%			Centropages spp (n=50-train=200		0.28	0.20
Calycophorae (nectophore)					3%									5%		68%		3%	14%					3%					Echinodermata (larvae	0.00	0.00	0.00
Decapoda-brachyura (zoeae)		6%				20			3%				260	9%		3%	59%	3%	6%	3%			6%			4.00		C 0	(n=42-train=200 Calycophorae (nectophore (n=37-train=200		0.68	0.26
Ctenophora (larvae)						3%							26%	40.		3%		48%	CON					1204		10%		40.	Decapoda-brachyura (zoeae	0.12	0.59	0.19
Decapoda-non brachyura (larvae)							4%							4% 25%		12%	4%	8%	4%	50%		4%		12%				4%	(n=32-train=200 Ctenophora (larvae)) A		
Tortanus spp.			269	0,	9%									23%		12%	4/0		4/0	30%	65%	4/0							(n=31-train=42 Decapoda-non brachyura (larvae	2)	0.48	0.21
Ascidiacea (larvae) Oithona spp.		29%		0	18%		6%												6%	6%	00%	29%					6%		(n=26-train=200)	0.52	0.69	0.43
Pseudocalanus spp.		2370			10/0		0/0												14%	0/0			86%				0/0		Tortanus spp (n=24-train=200	0.03	0.50	0.09
Calanus spp.														17%					67%				17%						Ascidiacea (larvae (n=23-train=200	0.57	0.65	0.47
Copepoda (nauplii)										25%				17 0									17 0		50%				Oithona spp (n=17-train=200	0.01	0.29	0.02
Bryozoa (larvae)												100%																	Pseudocalanus spp (n=7-train=200	0.02	0.86	0.04
	Cirr	Acs.	O,	. Do			Con		Par	Ç ^{3,0}			Hya	Cenz	Eg.	Call.	O _e c	Cler	O _e c	Torx	Sc.	Oiz	DS.	Co/C	Con	Bry	1/ar	Plax	Calanus spp (n=6-train=200	0.00	0.00	0.00
	Cirrig	Acar Oction (18)	7i, Sp.	Hopleura St.	On/Pleon	itillaria SPP.	The Cory	Tracidae	Parallo (ci.	Castro, danus Sp.	Doda (1	(lan	Hydro, deta (lar	Centrol (media	Schinologes Spp.	Jerna V	Ohorde	Ctenophore tophore	Thora (Oda no	Ascidle Spp. brack	aced (1)	Pselidor Spp.	Calany	15 ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	Doda (1)	Marpa Od (lange	Cticoid	Catallus spp (n=6-train=200 Copepoda (nauplii (n=4-train=200 Bryozoa (larvae (n=1-train=200		0.50	0.08
		4 /,	rae	χ,	%				· ``		i gu	de/lip) (A)	(de) Call	, SO) SOD		(larvae)	Dectops del	Byura (Vae,	brachy,	dy	des	, L	<i>S</i> 00.	41/2	Olii) de	ey 🔨	Poibents: (n=1-train=200	0.00	0.00	0.00
											Bivalvia Doda (lana	"Not	inal				J	Ore	' TOE	de,	Ascidle Spp. brachyura	land							Harpacticoida- epibenthi	c	_	_
																						**)						tr	raining Platyhelminthes/Nemertea (larvae	•)	_	_
													Pre	dicted	l Valu	es												C	$ \begin{array}{c} \text{lasses} \\ \text{(n=0-train=183)} \end{array} $			
																													macro avg (corr		0.41	0.25
																													weighted avo	0.71	0.42	0.48

Predictions of discarded taxa from training



Actual discarded Taxa

Relative Abundance of Top Taxonomic Instances per Sample

