PA Selected Samples prediction using all regions training set,

Use of SCN features: No

Learning with selected samples classes with no low global training instances, with extra regional training categories,

Max learning objects: Maximum objects/class

No Calanoida (civ-vi), Cyclopoida, Zooplankton classes in learning set

Actual Values

Confusion Matrix – In percent of Actual Value

Classification Report Matrix max available learning objects per class

weighted avg 0.76

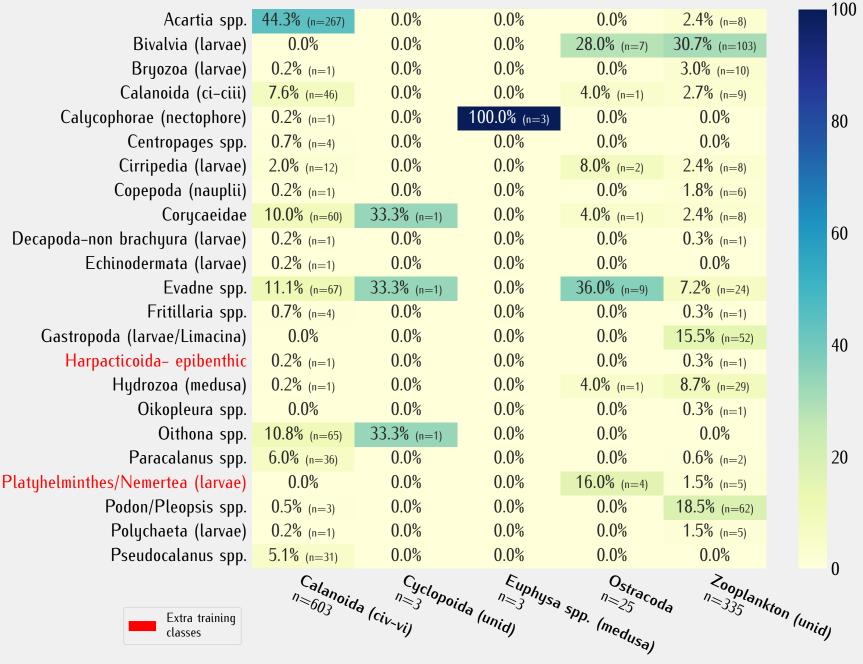
0.65

precision recall f1-score

	Confusion Matrix – In percent of Actual Value																		III	dX dVd	liable t	earning o	objects p	er Cla	55																
																																				pro	ecision	recall	f1-scoı	re	
Cirripedia (larvae)	73%	2%	<1	% 11%	6 <	<1%	7%	<1%	<1%	<1%	1%		<1%	<1%	<1%	1%	<1%	<1%		<1%			<1%	<1%		<1%	<1%		<1%					Cirri <sub> </sub> (n=32	p <b>edia (larva</b> 31-train=768	a <b>e)</b> 85)	0.94	0.73	0.82		
Acartia spp.															<1%		<1%	<1%					16%			<1%								(n=2290	Acartia sp -train=11131	<b>op.</b> 19)	0.82	0.70	0.76		
Oikopleura spp.	1%	2%	679	6 2%	1	8%	3%	<1%	1%	<1%	<1%	<1%	<1%	<1%	<1%	<1%	2%			<1%	<1%	<1%	<1%	<1%		<1%	<1%	<1%	<1%					Oi (n=17	<mark>kopleura sp</mark> 73-train=530	<b>op.</b> 05)	0.90	0.67	0.77		
Podon/Pleopsis spp.	9%	4%	<1	% 46%	ó		27%	1%	2%	4%	1%		2%	<1%				<1% <	<1%				<1%	<1%		<1%	<1%		<1%					Podon/	Pleopsis sp 07-train=734	pp.	0.37	0.46	0.41		
Fritillaria spp.		3%	21	<19	% 6	55%	1%		<1%	<1%			<1%	1%		1%						<1%	4%			<1%	<1%	<1%	<1%					F	Fritillaria sp 75-train=699	pp.	0.47	0.65	0.55		
Evadne spp.	4%	<1%	<1	% 5%			72%	<1%	3%	1%	2%	<1%		8%		<1%	<1%	<	<1%				<1%			<1%	1%							`	Evadne sp	pp.	0.32	0.72	0.44	٠.	
Corycaeidae	<1%	36%	<1	% 1%	<	<1%	1%	49%	1%	2%					<1%		<1%			<1%			2%	2%			<1%	<1%						,	8-train=1106 <b>Corycaeid</b>	04)	0.47	0.49			
Calanoida (ci-ciii)	11%	11%	<1	% 14%	ó		14%	10%	20%	1%			<1%			3%							11%			2%		1%							Corycaeida 35-train=176		0.47	0.49	0.48		
Paracalanus spp.	<1%	19%	<1	% 1%			2%		4%	47%														26%										(n=1	<b>noida (ci-ci</b> 50-train=555	57)	0.21	0.20	0.21		
Gastropoda (larvae/Limacina)	4%	3%		17%	ó		11%		2%		53%	6%						<	<1%				2%			<1%								<b>Par</b> (n=1	acalanus sp 41-train=161	<b>)p.</b> 19)	0.44	0.47	0.46		0.8
Bivalvia (larvae)				6%				1%			5%	82%		3%												2%							Gastro	poda (larv (n=1)	v <b>ae/Limacin</b> 26-train=327	1 <b>a)</b> 72)	0.49	0.53	0.51		
Polychaeta (larvae)	12%	8%		14%	ó		17%		2%		2%		29%	2%			5%			3%		2%		5%		2%								Biv (n=	v <mark>alvia (larva</mark> 96-train=376	a <b>e)</b> 64)	0.88	0.82	0.85		
Hydrozoa (medusa)		4%					7%				2%		13%	64%			4%		2%	2%				2%		2%								Polycl (n=	haeta (larva 65-train=157	ae) 77)	0.30	0.29	0.30		
Centropages spp.		44%			4	4%									24%						8%			12%	8%									Hydro	o <b>zoa (medus</b> 55-train=405	sa)	0.21	0.64	0.32		0.6
Echinodermata (larvae)					2	2%	7%						5%	76%			5%		2%	2%														`	tropages sp	,	0.38	0.24	0.29		
Calycophorae (nectophore)									3%				3%	3%	5%		73%			8%				5%										(n=	50-train=362 rmata (larva	20)				- 1	
Decapoda-brachyura (zoeae)	3%	25%		3%			3%								9%		6%	28%		9%				3%	9%									(n=	42-train=304	43)	0.00	0.00	0.00	-1	
Ctenophora (larvae)	3%			6%			13%				13%		23%	26%			3%		10%	3%														(n=	e (nectophor =37-train=96	66)	0.26	0.73	0.39		
Decapoda-non brachyura (larvae)				4%									4%	4%						77%					12%								Decap	ooda-brac =n)	<b>hyura (zoea</b> =32-train=62	1 <b>e)</b> 28)	0.39	0.28	0.33		0.4
Tortanus spp.	4%	25%			4	4%									17%		17%	4%			25%		4%											<b>Cteno</b> j (n	ohora (larva =31-train=4	<b>ae)</b> 42)	0.33	0.10	0.15		
Ascidiacea (larvae)			4%		1	7%																78%										De	capoda-	-non bracl (n=	n <mark>yura (larva</mark> =26-train=42	a <b>e)</b> 23)	0.49	0.77	0.60		
Oithona spp.		53%	6%	i	1	2%									6%								24%											(n=	Tortanus sp =24-train=20	<b>5p.</b> 03)	0.46	0.25	0.32		
Pseudocalanus spp.		29%																						71%										Ascid	iacea (larva =23-train=86	ae)	0.62	0.78	0.69		0.2
Calanus spp.															17%					33%				50%											Oithona sp 17-train=588		0.01	0.24	0.02	-	
Copepoda (nauplii)				25%	ó				25%																	50%								Pseud	ocalanus sp	pp.	0.06	0.71	0.12		
Bryozoa (larvae)		1					^			<b>A</b>			•	<i>k.</i>							<b>&gt;</b>	1		Δ			δ							·	=7-train=484 Calanus sp	pp.	0.00	0.00	0.00		
	irin	Pedia Car	71'0 SPD.	Topleura S	Ton/p	Titillar	Exadne	Spp.	alan alan	oids arac	Castro danus Sp	Bivalvie	Olych	Sydro,	CONTRO	Chinology Spp.	der discop	Oho Capou	Tenop	hor cap	Ootanu	Scidic	Oithone	Sella	ocal alant	Is SPP.	Styon	Da land	Actic Catyl	Selm.				(n	=6-train=35 poda (naupl	59) !::\					
	Cirrip	(la)	Tael			Pitillari Ropsis S	50p.	~Ø.	'No	Parace Parace	ii sp	i de l'an	de .	, allan	Centro (medi	150/ SOL	Mata (	Decapod Thorae (net	brach	14,	Portanti Voda non b.	DD.	Oithon Care	10/2. Pe)	ocalanus .	Copepo Spp.	(nau)	Olii)	oida	Selninthes Nen				(n=	4-train=1155 Jozoa (larva	55) <b>)</b>	0.04	0.50	0.08		0.0
							<i>7.</i> 4.						limac	ina,				de	Phore	A FOR	ga <sub>e</sub> ,	Myura	(h.			•				Selminthes Nem Epibenthic	Perted (1		11.	(n=	=1-train=114	42)	0.00	0.00	0.00		
	Ciripedia Sp. Sp. Sp. (anae) (															(ande)	/		(n	a- epibenth =0-train=55	55)	-	-	_																	
														Pre	edicte	d Valu	es													aining asses		Plat	yhelmin	thes/Nem (n	ertea (larva =0-train=18	83)	-	-	-		
																																		macro	avg (cor	r)	0.38	0.46	0.38		

## Predictions of discarded taxa from training

**Predicted Taxa** 



Actual discarded Taxa

Relative Abundance of Top Taxonomic Instances per Sample

