Use of SCN features: No

Actual Values

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

Gulf 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, Cyclopoida, Zooplankton classes in learning set

Confusion Matrix – In percent of Actual Value

Classification Report Matrix max 200 learning objects per class

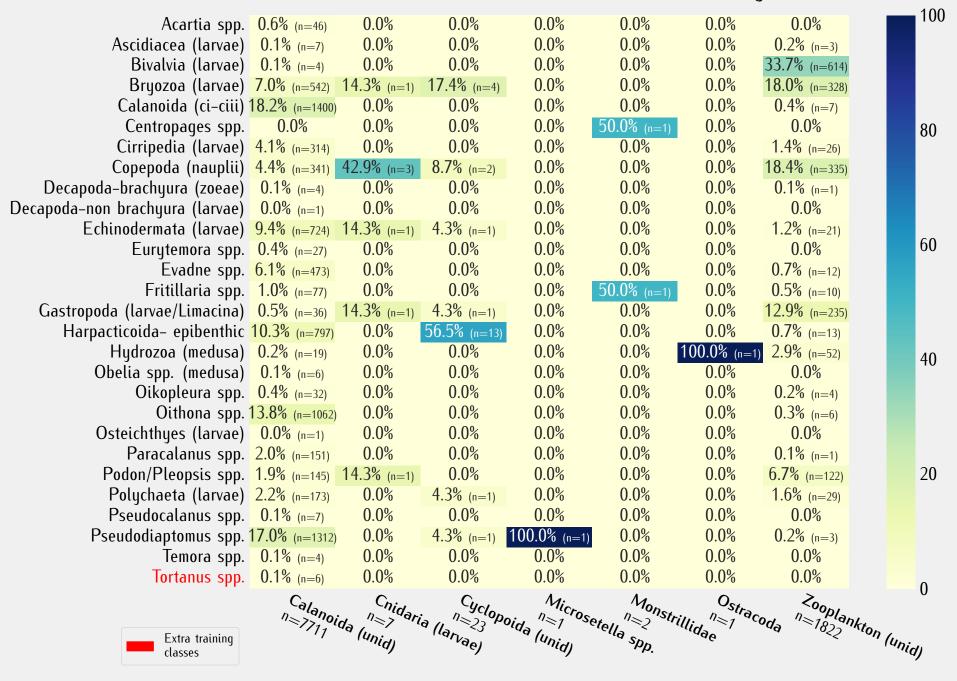
precision

recall

f1-score

	Confusion Matrix - in percent of Actual Value															precisio	on reca	•	1-score															
Acartia spp.	19%	<	<1%	<1%	34%	6%	4%	<1%		<1%	<1%	<1%	<1%	5% 2	% 1%	<1%	5 2%	<1%	5	<1%	<1%	<1% <	<1% 1	11%	<1%	6 11%	<1%	2%	Acartia spp. (n=18062-train=200)	0.00			0.31	
Bivalvia (larvae)		91% <	<1% <	<1%	<1%	<1%	<1%	1%	5%		<1%	<1%	<1%	<1%	<1	%	<1%	6 <1%	ó		<	<1% <	<1%						Bivalvia (larvae) (n=7955-train=200)	0.05	0.9)1	0.93	
Copepoda (nauplii)		4%	84%	<1%	<1%	<1%	<1%		<1%		6%	<1%		<1%	3%			1%			<	<1% <	<1%						Copepoda (nauplii) (n=2753-train=200)	0.72	0.8	34	0.78	
Podon/Pleopsis spp.		6%	18%	43%	<1%	<1%	<1%	2%	15%	<1%	12%	<1%	<1%	<1%	<1	%	<1%	6 1%			<1%	<	<1% <	<1%	<1%	<1%			Podon/Pleopsis spp. (n=2715-train=200)	0.94	0.4	13	0.57	
Oithona spp.	<1%	<	<1%	<1%	71%	3%	7%	<1%			<1%	<1%	<1%	11%	4%		1%	<1%	í		<	<1% <	<1%			<1%			Oithona spp.	0.22	0.7	1	0.33	
Calanoida (ci-ciii)			3%	3%	9%	23%	12%	<1%	<1%		8%	3%	<1%	14%	7%		9%	6%			2	2% <	<1% <	<1%					(n=2572-train=200) Calanoida (ci-ciii)	0.21	0.2	23	0.22	1.0
Pseudodiaptomus spp.	<1%		1%	<1%	16%	3%	49%		<1%		2%	1%		14% <	1% 3%		3%	3%		<1%				2%		<1%		<1%	(n=1348-train=200) Pseudodiaptomus spp.	0.30	0.4		0.37	
Hydrozoa (medusa)	<1%	2% <	<1%	4%	1%			67%	6%	<1%	4%	2%		<1%	<1	% 3%	5%	<1%	i i	<1%	<	<1%		2%		<1%			(n=1059-train=200) Hydrozoa (medusa)	0.71			0.69	
Gastropoda (larvae/Limacina)		16%	9%	8%		<1%	<1%	2%	55%		5%	2%		<1%			<1%	6 <1%	í							<1%			(n=671-train=200) Gastropoda (larvae/Limacina)	0.20	0.5		0.37	
Temora spp.	<1%		2%	<1%	2%	<1%	20%			16%		3%		4% 5	% 2%		8%	5%		13%				9%	<1%	6 3%	<1%	<1%	(n=629-train=200) Temora spp.	0.20				
Bryozoa (larvae)		2% 2							7%			2%						<1%				<1%		<1%					(n=308-train=200) Bryozoa (larvae)	0.50	0.1	_	0.21	0.8
Polychaeta (larvae)		<1% 2	29%	4%		<1%			1%	<1%	4%	26%		2%	109	1%	6%	10%			<1%		<1%		<1% <1%	б		<1%	(n=247-train=200) Polychaeta (larvae)	0.13	0.5		0.21	
Ascidiacea (larvae)			-		3%	_	<1%					2%	90%							_	<	(1%	1%		2%				(n=237-train=200)	0.20	0.2		0.27	
Harpacticoida- epibenthic			3%		17%	6%	7%				2%		_	51%	4%		4%	<1%	5	2%				2%		3%			Ascidiacea (larvae) (n=194-train=200)	0.02	0.9	00	0.86	
Centropages spp.	23%		50		43%		50			7%	20			2% 11			4.00	4.00						9%		2%		2%	Harpacticoida- epibenthic (n=108-train=200)	0.04	0.5	51	0.07	
Echinodermata (larvae)				8%	3%		5%	100			3%			Ε0.	359			19%			-	- 0.		Ε0.				3%	Centropages spp. (n=44-train=200)	0.02	0.1	1	0.03	0.6
Obelia spp. (medusa)				5%				10%			1 20			5%	5%	24%	62%	5%				5%		5%					Echinodermata (larvae) (n=37-train=200)	0.02	0.3	35	0.04	
Evadne spp.			44%		6%				6%		12%	19%			6%		02%	12% 19%						6%					Obelia spp. (medusa) (n=21-train=200)	0.04	0.2	24	0.07	
Cirripedia (larvae) Chaetognatha			44/0		8%				0/0		0%	19%	15%		0/0			19%	31%		2	23% 1	15%		8%				Evadne spp. (n=16-train=200)	0.02	0.6	52	0.03	
Pseudocalanus spp.					0/0					29%			15/0						J170	14%		.570		14%	070	14%			Cirripedia (larvae) (n=16-train=200)	0.01	0.1	9	0.01	0.4
Decapoda-non brachyura (larvae)	23,0									23.0											50%		<u> </u>		25%	1 170	25%		Chaetognatha (n=13-train=89)	0.80	0.3	31	0.44	
Fritillaria spp.																						00%							Pseudocalanus spp. (n=7-train=200)	0.01	0.1	4	0.01	
Oikopleura spp.																						00%							Decapoda-non brachyura (larvae) (n=4-train=200)	0.00	0.5	50	0.15	
Paracalanus spp.																							1	100%					Fritillaria spp. (n=3-train=200)	0.02	1.0	00	0.04	
Osteichthyes (larvae)																			100%	ó									Oikopleura spp. (n=2-train=200)		0.0	00	0.00	0.2
Decapoda-brachyura (zoeae)																											100%		Paracalanus spp.	0.00	1.0	00	0.00	
Eurytemora spp.																				100%									(n=1-train=200) Osteichthyes (larvae)	0.00	0.0	00	0.00	
	ACATY:	Bivali	Coper	Podor	Oitho	Calar	Sey	Hydr	Cast	Temo	Bryo	Poly	Ascid:	Harp.	ante Co	his Obe	Vi Cha	Cirri	Chale Chale	Sey Sey	Oeco.	Pritilly.	Oifor.	Para	Oster Del	S. Cury	Calan Cabl	Torto	(n=1-train=45) Decapoda-brachyura (zoeae)	0.00	0.0		0.00	
	Acarria	Six Alvia	Copepoli (larvae)		Deop.	Calan, Ca	oida (ci.	Hydro, Cii)	to me	Poda (<i>Sp.</i> (Polych Carrac	Ascidial Marketal	Harpactico	ida opage	Oderma		10 SPD.	Colia (la	Pseldlo Pracha	Decapode Colonis Sp.	, drie	Oikopleli Spp.	Paracale Spp.	Osteichthyes	Doda bro	temoras pp.	Tortanus Sp.	(n=1-train=200) Eurytemora spp. (n=1-train=200)		0.0		0.00	
			%)		Vii)	, 200 2	č	Hydron Ciii)	US 500.	USA)	rac/lip	,	e) on	Harpactico	Pibe	nthic Obe	" (larvage	Cirty (medusa)	•	de	\$4	o bro	Chyn	.20	Osteichthyes	(larvae)	Tenora SPP. Chyura (Socae)	. 2	(n=1-train=200) Calanus spp.		0.0	,,,	0.00	0.0
											1/6	Polycinal acinal				nic					Decapode of Sp.		10/	lana			Ocac		(n=0-train=200) Labidocera spp.	_			-	
																								.67				Extra trainin	(n=0-train=200) Tortanus spp.	_	_		-	
														Pre	dicted	Value	es											classes	(n=0-train=200)		_		-	
																													macro avg (corr)				0.25	
																													weighted avg	0.82	0.4	16	0.50	

Predictions of discarded taxa from training



Relative Abundance of Top Taxonomic Instances per Sample

