Use of SCN features: Yes

Actual Values

Max learning objects: Maximum objects/class Strategy N° 3

Gulf Selected Samples prediction using Gulf training set, Learning with selected samples classes with no low regional training instances, no extra training categories, No Calanoida, Cyclopoida, Zooplankton classes in learning set

Classification Report M	atrix
max available learning objects	per class

weighted avg 0.85

precision recall f1-score

	Confusion Matrix – In percent of Actual Value													max	ojects per clas											
																								precision	recall	f1-score
Acartia spp. Bivalvia (larvae)		93%	<1% 1%			4% <1%				<1%	<1%		<1%	<1%	<1%		<1%		<1%	<1%	<1%	<1%	Acartia spp. (n=18062-train=101461)	0.90	0.74	0.84
Copepoda (nauplii)		1%	94%			<1%			<1%			<1%	110			<1%			<1%		<1%		Bivalvia (larvae) (n=7955-train=3574)	0.97	0.93	0.95
Podon/Pleopsis spp.						<1%				<1%						170		2%	1%	<1%		<1% <1%	Copepoda (nauplii) (n=2753-train=10297)	0.77	0.94	0.85
Oithona spp.								<1%			<1%			<1%		<1%			<1%		1%		Podon/Pleopsis spp. (n=2715-train=3541)	0.87	0.65	0.74
Calanoida (ci-ciii)				2%				<1%			3%			1%		<1%			<1%		1%		Oithona spp. (n=2572-train=4428)	0.39	0.79	0.52
Pseudodiaptomus spp.	12%		2%	<1%	18%	11%	51%		<1%		<1%			1%				4%	<1%				Calanoida (ci-ciii) (n=1348-train=1531)	0.21	0.41	0.35
Hydrozoa (medusa)	4%	2%		5%	1%		<1%	72%	6%		<1%						<1%	8%	<1%		<1%		Pseudodiaptomus spp.	0.43	0.51	0.47
Gastropoda (larvae/Limacina)	<1%	14%	8%	10%	<1%	<1%		1%	64%	<1%	<1%	<1%						1%					(n=1059-train=2113) Hydrozoa (medusa)	0.94	0.72	0.77
Temora spp.	31%		2%	<1%	5%	8%	15%		<1%	17%	2%			<1%	4%			13%	<1%				(n=671-train=3730) Gastropoda (larvae/Limacina)			
Bryozoa (larvae)	<1%	<1%	26%	18%		<1%	<1%		10%		41%	<1%						1%			<1%		(n=629-train=2871)	0.30	0.64	0.48
Polychaeta (larvae)	1%		22%	5%	<1%	5%	3%		1%		<1%	43%		<1%				11%	2%	<1%	2%	<1% <1%	Temora spp. (n=308-train=2199)	0.68	0.17	0.27
Ascidiacea (larvae)	4%				3%		1%						91%								1%	<1%	Bryozoa (larvae) (n=247-train=973)	0.38	0.41	0.40
Harpacticoida- epibenthic	9%		5%		41%	14%	11%			<1%	2%			13%				2%			3%		Polychaeta (larvae) (n=237-train=464)	0.86	0.43	0.58
Centropages spp.	73%				14%		2%								11%								Ascidiacea (larvae) (n=194-train=805)	0.99	0.91	0.95
Echinodermata (larvae)			11%				3%									3%		38%			5%		Harpacticoida- epibenthic (n=108-train=372)	0.14	0.13	0.14
Obelia spp. (medusa)				5%	14%	5%		5%									24%	33%					Centropages spp.	0.06	0.11	0.07
Evadne spp.			F.00			CO .		6%	CO .									81%	6%				(n=44-train=3461) Echinodermata (larvae)		0.03	0.05
Cirripedia (larvae)			50%			6%			6%										38%				(n=37-train=118) Obelia spp. (medusa)	0.14		
Pseudocalanus spp. Decapoda-non brachyura (larvae)																				100%			(n=21-train=952)	0.13	0.24	0.31
Fritillaria spp.																				100%	100%		Evadne spp. (n=16-train=7238)	0.01	0.81	0.02
Eurytemora spp.																					1000		Cirripedia (larvae) (n=16-train=716)	0.07	0.38	0.11
Decapoda-brachyura (zoeae)																				100%			Pseudocalanus spp. (n=7-train=228)	0.00	0.00	0.00
Osteichthyes (larvae)																						100%	Decapoda-non brachyura (larvae) (n=4-train=197)	0.33	1.00	0.50
Paracalanus spp.	100%																						Fritillaria spp. (n=3-train=2701)	0.02	1.00	0.04
	Acarti	Bivall Spp.	Cope,	Podo.	Oith	ond Spp.	Po:	Algorian Algorian	Cash	Temor	Bryon	Polych	Ascidio	Harpa	Centron	Chino	Obelia	Evadne	Cirripo	PSelledo Decay	Po Pritille	Curye Decape Osteich Paracel	Eurytemora spp. (n=1-train=1730)		0.00	0.00
	`	, 20°	Via Copel	Poda (nau)	Oith Pleopsis		roida (ci.	idodiaptomi,	Cash Cash Inedia	poda lan	<i>S</i> 20.	Polychal larvey	eta (lana	Harpal Cea (land	Centrope Cticoida Coida Col	19 _{C5} 50p	Obelia dermata (la	SPD (Med		Pseudocalanus (lange)	oda non b	Curytemora Sp. Osteichthyes (larvae)	Decapoda-brachyura (zoeae)	0.00	0.00	0.00
					W)	<i>70</i> 0.		9	5/10.	topoda (land	olimaci,	o D.	Q ₍	?)	Centrope Chicoida Chicoida	benthic	, Ø	rae, de	459)	9 7	% .	Curytemora Spp. Osteichthyes (larvae) brachyura (larvae)	(n=1-train=277) Osteichthyes (larvae)	N 33	1.00	0.50
											•	(P)										"an _{de)}	(n=1-train=43) Paracalanus spp.	0.55		
												Pre	edicted	d Valu	es								(n=1-train=82)	0.00	0.00	0.00
																							macro avg	0.40	0.50	0.38

Actual discarded Taxa

Relative Abundance of Top Taxonomic Instances per Sample



