Use of SCN features: Yes

Max learning objects: Maximum objects/class Strategy N° 2

Actual Values

Gulf Selected Samples prediction using Gulf training set, Learning with all classes present in the selected samples, with extra training categories, No Calanoida, Cyclopoida, Zooplankton classes in learning set

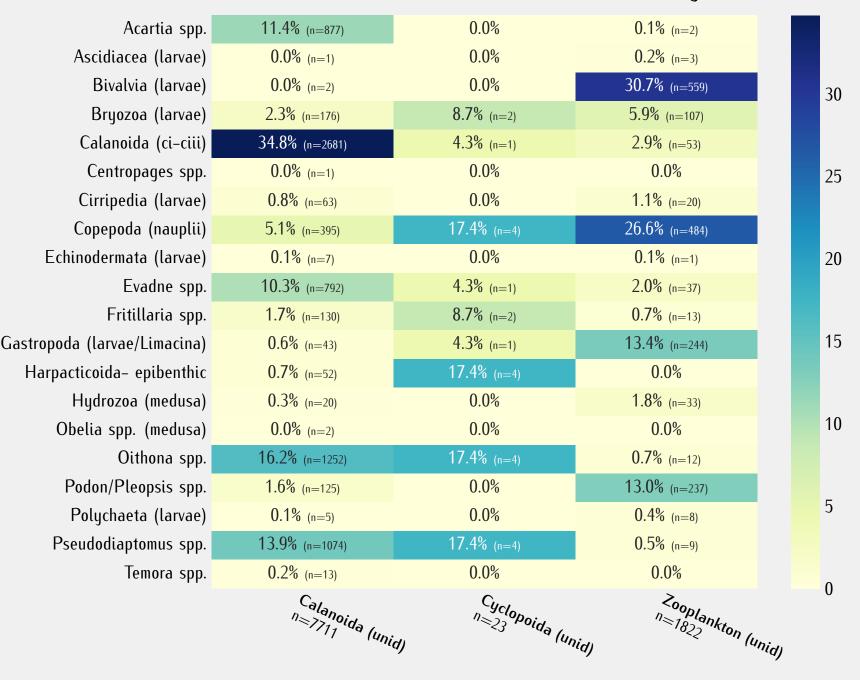
Confusion Matrix – In percent of Actual Value

	Classific	ation Re	port Ma	trix	
max a	vailable	learning	objects	per c	lass

precision recall f1-score

Acartia spp. 74%	Acartia spp. (n=18062-train=101461)	cision recall	f1-score
	(n=18062-train=101461)	0.74	
Bivalvia (larvae) <1% 93% 1% <1% <1% <1% <1% <1% <1% <1% <1% <1%		0.74	0.84
	Bivalvia (larvae) (n=7955-train=3574)	0.93	0.95
Copepoda (nauplii) <1% 1% 94% 1% <1% <1% <1% <1% <1% <1% <1% <1% <1%	Copepoda (nauplii) (n=2753-train=10297)	0.94	0.85
Podon/Pleopsis spp. <1% 3% 14% 65% <1% <1% 10% <1% 2% <1%	Daday/Dlaggia ann	0.65	0.74
Oithona spp. 6% <1% <1% 79% 7% 4% <1% <1% <1% <1% <1% <1% 1%	Oithona spp.	0.39 0.79	0.52
Calanoida (ci-ciii) 5% 4% 2% 15% 41% 12% <1% <1% <1% 3% <1% 2% 15% 41% 12% <1% <1% 3% <1% 14% <1% 14% <1%	(n=25/2-train=4428) Calanoida (ci-ciii)	0.41	0.35
Pseudodiaptomus spp. 11% 2% <1% 17% 12% 51% <1% <1% <1% 15% 51% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% 5% <1% <1% 5% <1% <1% 5% <1% <1% 5% <1% <1% 5% <1% <1% 5% <1% <1% <1% 5% <1% <1% 5% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1%	(n=1348-train=1331)	0.51	
Hydrozoa (medusa) 4% 2% 5% 1% 71% 7% <1% <1% <1% 8% <1% <1%	(n=1059-train=2113)		0.46
Gastropoda (larvae/Limacina) <1% 14% 8% 11% <1% <1% 11% 64% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1	(n=671-train=3730)	0.71	0.77
Temora spp. 31% 2% <1% 5% 9% 14% <1% 18% 1% <1% 4% 14% <1%	(n=029-train=2871)	0.64	0.48
Bryozoa (larvae) <1% <1% 27% 18% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <1% <	Temora spp. (n=308-train=2199)	0.18	0.28
Polychaeta (larvae) 1% 22% 5% <1% 5% 3% 2% <1% <1% 43% 11% 2% <1% 2% <1% 2% <1% <1% <1% 11% 2	Bryozoa (larvae) (n=247-train=973)	0.39 0.40	0.40
Ascidiacea (larvae) 4% 3% 1% 91% <1% <1%	Daluaha eta (lamaa)	0.43	0.57
Harpacticoida- epibenthic 9% 5% 43% 13% 12% <1% 2% 10% 2% 4%	Ascidiacea (larvae)	0.99 0.91	0.95
Centropages spp. 70% 18% 11%	Harpacticoida- epibenthic	0.10	0.10
Echinodermata (larvae) 3% 11% 8% 3% 27% 5% 3% 38% 3% 38% 3% 3% 38%	(n=100-train=3/2)		
Obelia spp. (medusa) 14% 5% 14% 5% 10% 24% 29%	(n=44-train=3461)	0.05 0.11	0.07
Evadne spp. 6% 81% 6%	(n=37-train=118) 0.	0.03	0.04
Cirripedia (larvae) 50% 6% 6%	(n=21-train=932)	0.24	0.30
Chaetognatha 15% 8% 23% 23%	Evadne spp. (n=16-train=7238)	0.81	0.02
Pseudocalanus spp. 100%	Cirripedia (larvae) (n=16-train=716)	0.38	0.11
Cnidaria (larvae) 29% 14% 29% 14% 14% 14%	Chastamatha	.00 0.08	0.14
Decapoda-non brachyura (larvae)	25% Pseudocalanus spp.	0.00	0.00
Fritillaria spp.	(n=7-train=228) Cnidaria (larvae)	.00 0.14	0.25
Oikopleura spp.	(n=/-train=20)	0.75	0.46
Monstrillidae 50%	(n=4-train=197)	_	
Decapoda-brachyura (zoeae)	(n=3-train=2701)	1.00	0.04
Osteichthyes (larvae)	(n=2-train=37)	0.00	0.00
Ostracoda 100%	(n=2-train=27)	0.00	0.00
Paracalanus spp. 100%	Decapoda-brachyura (zoeae) (n=1-train=277)	0.00	0.00
Microsetella spp. 100%	Osteichthyes (larvae) (n=1-train=43)	0.00	0.00
Eurytemora spp. 100%	Octracoda	0.00	0.00
Test Bis Cop Pag City Col Se Hyg Cox Pem Bry Pal Soi Har Con Copi Obe Char City Che So, Chir De Prize City City Cop Cop Cop Copy Copy Copy Copy Copy C		0.00	0.00
Acartical Sing Cope Podon Popola Calar Selection of Selec	Paracalanus spp. (n=1-train=82) Microsetella spp. (n=1-train=4)	0.00	0.00
The lands is a line of the land of the land of the lands	(n=1-train=4) Eurytemora spp.		
Actria Solido Cope Podon Podon Podon Selection of the Solido Cost of t	(n=1-train=1730) Calanus spp.	0.00	0.00
(lander)	(n=0-train=109)		-
	training (n=0-train=493)		-
Predicted Values	classes Tortanus spp.		-
		.37 0.37	0.30
	weighted avg 0.8	.84 0.76	0.79

Predictions of discarded taxa from training



Predicted Taxa

Actual discarded Taxa

Relative Abundance of Top Taxonomic Instances per Sample

