Actual Values

Gulf 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
Strategy N° 10

Gulf Selected Samples prediction using all regions training set,
With Calanoida, Cyclopoida, NO Zooplankton classes in learning set

Confusion Matrix – In percent of Actual Value

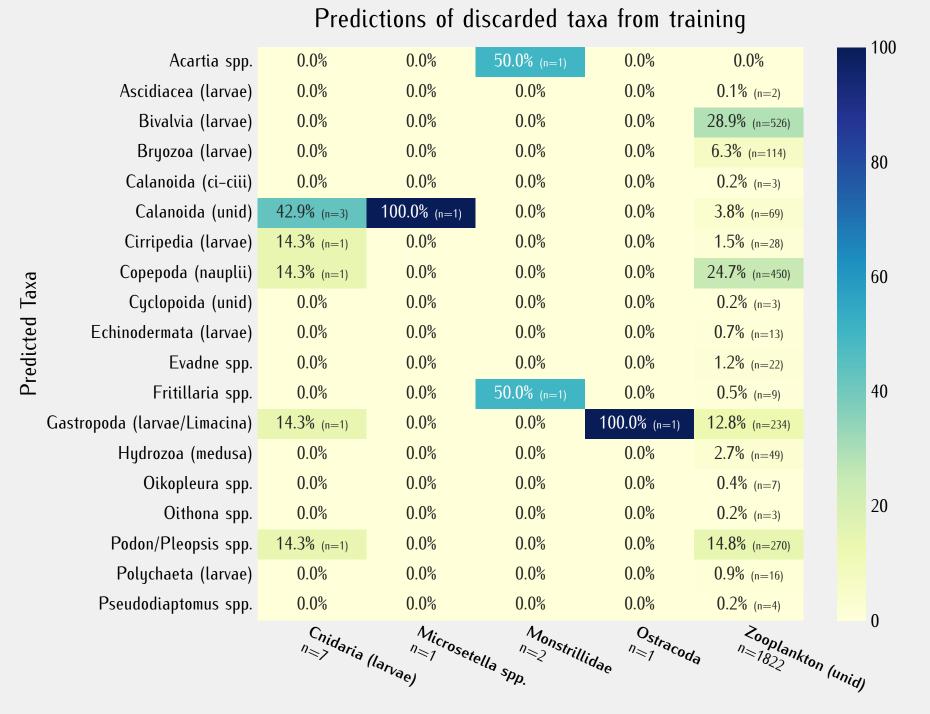
Classification Report Matrix max available learning objects per class

precision

recall

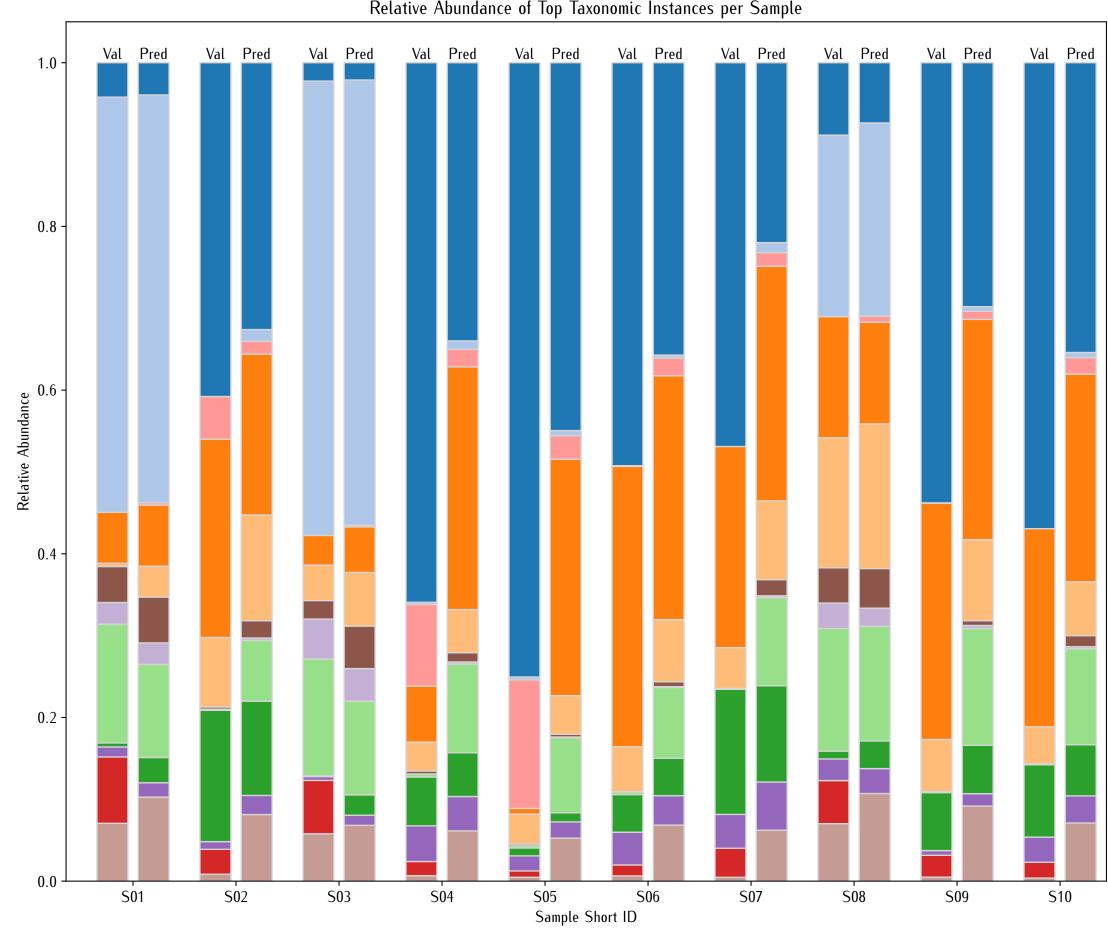
f1-score

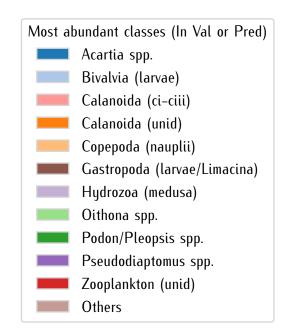
												Cor	ntusior	ı Ma	trıx –	In pe	ercer	it of <i>F</i>	Actual	l Val	lue										ilia <i>i</i>			ojecis pei ci	.033
A	E004		100,	~10 ₄	< 10 ₄	1 40	10,	104	~10 <i>c</i>	~10 ₄	~ 10 ₄	~10 ₄	-10/	10,	10, -10	210	-10	. 10,	10,	~ 10 ₄		-10	z 10 z 10 z 10 z 10 z		104	~10 ₄	z10; z10;	-10		Acai	tia spp.	precision	recall	f1-score	
Acartia spp.													<1% <		1% < 17	6 < 1%						< 1%	<1% <1% <1%		1%	< 1%	<1% <1%	<1%		(n=18062-train= Bivalvia	=111319)	0.90	0.59	0.73	
Bivalvia (larvae)								<1%					<1% <		4040	20.	<19		<1%			.40.	<1% <1%		-40.	.40.				(n=7955-trai	n=3764)	0.97	0.93	0.95	
Calanoida (unid)		<1%											<1% <	1% <	1% < 17				4%		<	<1%	<1% <1%		< 1%	<1%				Calanoid (n=7711-train	=23505)	0.47	0.60	0.53	
Copepoda (nauplii)				93%				<1%		<1%		<1%				<1%	<19	Ó	.40.	1%			<1% <1%		-40.		.40.			Copepoda ((n=2753-train	=11555)	0.71	0.93	0.81	
Podon/Pleopsis spp.									1%	8%	<1%			40.	4.0.	20.	.40		<1%				<1%		<1%		<1%			Podon/Pleop (n=2715-trai	sis spp. n=7347)	0.79	0.68	0.73	
Oithona spp.				<1% <					4.0	4.0			<1% <				<19		<1%				<1% <1%							Oitho (n=2572-trai	na spp.	0.37	0.76	0.49	1.0
Calanoida (ci-ciii)								3%					<1%		1%		<19		6%			4.0	<1% <1%	6	4.0	4.0				Calanoida (n=1348-trai	(ci-ciii)	0.11	0.05	0.07	
Pseudodiaptomus spp.				1% <						<1%			<1%	<	1% <19				2%			<1%	40			<1%				Pseudodiapton	ius spp.	0.39	0.49	0.44	
Hydrozoa (medusa)											<1%					<1%	i		5%			<1%	1%		<1%					(n=1059-trai Hydrozoa (ı	nedusa)	0.81	0.69	0.74	
Gastropoda (larvae/Limacina)									2%			<1%							<1%											(n=671-trai Gastropoda (larvae/Li	•				
Temora spp.				2% <		3%	4%	13%			29%				2%	<1%	i		8%			6%			2%	<1%	<1%			(n=629-trai		0.39	0.64	0.49	0.9
Bryozoa (larvae)		<1%								8%		45%	2%							<1%			<1%							(n=308-trai	n=7347)	0.39	0.29	0.33	0.8
Polychaeta (larvae)				20%	5%		<1%	1%		1%	<1%		46%			3%			6%	10%			<1%	<1%			<1%			Bryozoa (n=247-trai	n=1142)	0.36	0.45	0.40	
Ascidiacea (larvae)			1%			2%							2% 8										<1% 1% 3%	<1%						Polychaeta (n=237-trai	(larvae) n=1577)	0.63	0.46	0.53	
Harpacticoida- epibenthic			27%	4%		31%	2%	4%			<1%	<1%		15	5%	<1%	5%		2%	<1%	<	<1%	2%							Ascidiacea (n=194-tra	(larvae) nin=861)	0.96	0.89	0.92	
Centropages spp.	52%		2%			25%	2%				2%				11%	ń				2%					2%					Harpacticoida- ep (n=108-tra	ibenthic	0.16	0.15	0.15	
Echinodermata (larvae)			5%		11%		3%									24%			16%											Centropag (n=44-trai			0.11	0.07	0.6
Cyclopoida (unid)			13%		4%			13%				13%		13	3%		26%	i		4%										Echinodermata	(larvae)	0.03	0.24	0.05	
Obelia spp. (medusa)	5%		10%		5%	14%			10%							5%			19%				10%							(n=37-trai Cyclopoid	a (unid)	0.07	0.26	0.11	
Evadne spp.			6%							6%									75%	12%										(n=23-tra Obelia spp. (r	nin=143)				
Cirripedia (larvae)			6%	44%	6%					6%						6%				31%										(n=21-trai	n=1003) Ine spp.	0.22	0.19	0.21	
Chaetognatha													8	3%							8%		31% 54%	ί (in the state of the state o						(n=16-train	=11064)	0.02	0.75	0.03	0.4
Pseudocalanus spp.	43%										14%				14%	ί .					2	29%								Cirripedia (n=16-trai	n=7685)	0.01	0.31	0.01	
Decapoda-non brachyura (larvae)																						1	100%							Chaet (n=13-t	ognatha rain=89)	1.00	0.08	0.14	
Fritillaria spp.																							67% 33%	ó						Pseudocalaı (n=7-trai	nus spp. n=4845)	0.02	0.29	0.04	
Oikopleura spp.																							100%						D	ecapoda-non brachyura (n=4-tra	(larvae) nin=423)	0.50	1.00	0.67	
Osteichthyes (larvae)																						1	100%							•	ria spp.		0.67	0.03	0.2
Paracalanus spp.							100%																							Oikople	ura spp.	0.00	0.00	0.00	0.2
Eurytemora spp.																					1	00%								(n=2-trai Osteichthyes	(larvae)	0.00	0.00	0.00	
Decapoda-brachyura (zoeae)																											100%			(n=1-t Paracalar	rain=45)				
	Acarti	Bivalvie Spp.	Calano	Coper	Podon	Oithon Pleops	Calan	Sellde	Hydro	Castro	Temor	Bryon	Polych	Scidio	Yarpa Cel	The Chi	in Ge	Top Obel	in Evado	Cirrie	Charle	PSelle	Decap Fritillo Oike	Opp Stell	ic Alac	Curyt	Decapa Color	abidocer Tortanu	,	(n=1-trai	n=1619)	0.00	0.00	0.00	
	Ç	Bivalvice Spp.	Man.	Copepolity (unid)	(1) (1) (1) (1) (1) (1)	Oithol, Pleops, Volis		Pseudo (ci.co	diaptop	od me	Temoro Opoda (la)	500	Polychae (lange)	to de	Parpacticold (larvae)	. Pages	derme	Obell	Sp. (1)	. Sp.	Chaetog	natha .	Decapoda non sp.	Splenta Sp.	nthyes .	Curyte dans Sh	Decapoda bro	abidocera spp.	15 SOD.	Eurytem (n=1-trai	n=1818)	0.00	0.00	0.00	
			46	V (9)	() (X	Olii)	200	, C		15 Sp.	(1150)	racli	4 0)	NO.	ey now	Dibe	DD.	(land		(edusa)	, Lo	Per	Spp. brach	s. Su	o, /	(ande)	, ~, .	Chyura .	,		nin=628)		1.00	0.20	0.0
										•		11)	Polychae (larvae)				Thic	9					Decapoda non brach	yra (lan.				Sp. Tortanil Sp. Sp. Spp. Schyura (zoege)		(n=0-tra	nus spp. nin=359)		-	-	
																								VQ	9			Extr	tra	Labidoc (n=0-tra	era spp. nin=493)	-	-	_	
															Pred	icted	Valu	es											ining sses	Torta	nus spp. nin=203)	_	_	_	
																														macro avg		0.35	0.45	0.33	
																														weighte	, ,		0.66	0.69	
																														weight	aavg	0.70	0.00	0.03	



Actual discarded Taxa

Relative Abundance of Top Taxonomic Instances per Sample





Relative Abundance of Top Taxonomic Instances per Sample (Redistributed)

