Actual Values

Gulf Selected Samples prediction using all regions training set,
Use of SCN features: Yes

Learning with selected samples classes with no low global training instances, with extra regional training categories,
Max learning objects: Maximum objects/class
Strategy N° 8

Confusion Matrix – In percent of Actual Value

Classification Report Matrix max available learning objects per class

precision recall f1-score

											(	Confu	sion $N$	<b>Natrix</b>	– In p	ercen	t of A	ctual	Value												llid)		•	objects per	
At:	60%		~10 <i>c</i>	~10 <sub>4</sub>	<b>17</b> 0,	E0	20,	_10,		z 10c	-10	< 10	-10 <sub>4</sub>	-10,	10, -1	0, 10,	20,	~10 <i>c</i>		0, 1	10,	0, -10	), , , 10,	,	-10	z 10,					Acartia spp.	precision		f1-score	
Acartia spp.								<1%						<1% <					< 1	% < 1	1% <1			Ó	<1%	<1%				,	62-train=111319)	0.97	0.69	0.81	
Bivalvia (larvae)		93%						<1%					<1%	<1%	<1		<1%	<1%				% <19								(n=	<b>Bivalvia (larvae)</b> 7955-train=3764)	0.97	0.93	0.95	
Copepoda (nauplii)		1%	94%	1%	<1%	<1%	<1%		<1%		<1%	<1%			19			1%			<1	% <19	%							<b>Со</b> ј (n=2	pepoda (nauplii) 753-train=11555)	0.77	0.94	0.84	
Podon/Pleopsis spp.	<1%	4%	14%	68%	<1%	<1%	<1%	<1%	8%	<1%	2%	<1%					1%	1%		<1	1%	<19	%		<1%	<1%					on/Pleopsis spp. 2715-train=7347)		0.68	0.75	
Oithona spp.	4%		<1%	<1%	80%	4%	4%				<1%			1%	2%		1%	2%			1%	6 <19	%							(n=	Oithona spp. 2572-train=5881)	0.37	0.80	0.50	
Calanoida (ci-ciii)	3%		4%	4%	15%	33%	11%		<1%		2%	1%		2%	3%		13%	7%			1%	6 <19	% <1%	ó						Ca	alanoida (ci-ciii)	0.27	0.33	0.29	1.0
Pseudodiaptomus spp.	8%		2%	<1%	18%	6%	53%	ш	<1%		<1%	<1%		<1%	<1	%	3%	5%	<1	%			<1%	б		<1%				Pseud	1348-train=5557) odiaptomus spp.	0.44	0.53	0.48	
Hydrozoa (medusa)	2%	3%	<1%	7%	<1%	<1%		68%	5%	<1%	<1%	<1%			<1	% <1%	8%	<1%	<1	%	1%	б	<1%	б						Hyd	1059-train=2113) drozoa (medusa)	Λ 00	0.68	0.77	
Gastropoda (larvae/Limacina)	<1%	14%	8%	12%	<1%	<1%		<1%	63%		<1%	<1%					<1%	<1%												`	=671-train=4052) arvae/Limacina)			_	
Temora spp.	9%		2%	2%	5%	7%	16%			28%	<1%	3%		<1% 1	%		11%	5%	79	ó			2%			<1%				(n=	=629-train=3272)	0.11	0.63	0.50	
Bryozoa (larvae)		<1%	26%	22%	<1%				9%	<1%	38%	2%						<1%				<19	%								Temora spp. =308-train=7347)	0.51	0.28	0.36	0.8
Polychaeta (larvae)	<1%		22%	7%	<1%	<1%	2%		<1%	<1%	<1%	39%			3%		7%	14%		<1	1% <1	% <19	%	<1%	<1%					[n=	<b>Bryozoa (larvae)</b> =247-train=1142)	0.41	0.38	0.40	
Ascidiacea (larvae)	3%				3%		<1%					1%	90%							<1	1% <1	% 2%								Pol (n:	ychaeta (larvae) =237-train=1577)	0.58	0.39	0.47	
Harpacticoida- epibenthic	6%		6%		39%	12%	12%				2%	<1%		15%	<1	%	2%	2%	29	б	2%	б								Aso (r	cidiacea (larvae) n=194-train=861)	0.98	0.90	0.94	
Centropages spp.	61%				18%	5%				5%				Q	%			2%												Harpactic	oida- epibenthic =108-train=555)	0.12	0.15	0.14	
Echinodermata (larvae)			8%	11%			3%								30	ó	19%	30%												C	entropages spp. n=44-train=3620)	0.06	0.09	0.07	0.6
Obelia spp. (medusa)	5%			5%	14%	5%		5%							5%	19%	24%	10%			109	%								Echino	dermata (larvae)	0.04	0.30	0.07	
Evadne spp.	6%			6%													75%	12%												Obeli	n=37-train=3043) a spp. (medusa)	0.40	0.19	0.26	
Cirripedia (larvae)			44%			6%			6%			6%			6%			31%												·	=21-train=1003) Evadne spp.	0.01	0.75	0.03	
Chaetognatha													8%								315	% 62%	ó							,	=16-train=11064) rripedia (larvae)	0.01			
Pseudocalanus spp.	71%									14%									14	%										(1	n=16-train=7685)		0.31	0.02	0.4
Decapoda-non brachyura (larvae)																				100	0%										Chaetognatha (n=13-train=89)	0.00	0.00	0.00	
Fritillaria spp.																					679	% 33%	б							Pse	udocalanus spp. (n=7-train=4845)	0.02	0.14	0.03	
Oikopleura spp.																					100	)%							[	Decapoda-non bro	achyura (larvae) (n=4-train=423)		1.00	0.62	
Paracalanus spp.																										100%					Fritillaria spp. (n=3-train=6992)	0.02	0.67	0.04	
Osteichthyes (larvae)																						100	%								Oikopleura spp. (n=2-train=5305)	0.00	0.00	0.00	0.2
Decapoda-brachyura (zoeae)																											100%	5		P	Caracalanus spp. (n=1-train=1619)	0.00	0.00	0.00	
Eurytemora spp.																			100												chthyes (larvae) (n=1-train=45)	0.00	0.00	0.00	
	Acartic	Birahile Sp.	Copen	Podon	Oitho	Caland Spp.	Po: Seul	Alydro, Cii,	Cast	topoda (la)	Bryo	Poly	Ascidle Ascidle	Harpactic Rea (larvae)	entropage	hinodernal	Via Chag	The Cirripe Spp. Meduse)	Charles A	Court	Decapoda J. Anus Spp.	Ton h	topleura St.	Oster Oster Op. Sp.	Joca,	Curyto, Janae)	Calanus Spp. Splura (20eae)	Tortan,		Decapoda-br	achyura (zoeae) (n=1-train=628)	0.00	0.00	0.00	
	~		Copepo	(1) A)	Please	10 Sp.	Ma (ci.	Alydro dodiaptomo	Od Med	Dolla la	<i>S</i> 20.	Polylono	De la la	Cea Man	Dida Dage	Spande			Chaetognal	ha cala	Anus oda	Pon S		Op S	Thyes (	Oda brace	Mora Spa	idocera Spp.	<i>Sp.</i>	ļ	Eurytemora spp.	0.00	0.00	0.00	
			9	/ %	Viij	<i>200</i>	•		(5 S/2)	(1/50)	vac/in	,	9) 7	de de	Pibe	~D.	larvae	(Cdusa)	des		Spp	brach	W.	~. /	% '°	anae)	Tyura (2	<b>~</b> .			(n=1-train=1818)  Calanus spp.				0.0
											7	acinal				nic							Ta llan	<b>.</b>			Ocac				(n=0-train=359) <b>Labidocera spp.</b>	_	_	_	
																							•	(Y)				Extra trainiı			(n=0-train=493)		_	_	
														Pro	edicted	Value	es .											classe			Tortanus spp. (n=0-train=203)	-	-	-	
																														mac	ro avg (corr)	0.34	0.42	0.33	
																														V	veighted avg	0.84	0.74	0.77	

Acartia snn	0.1% (n=705)	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		100			
• •												
,												
\	` ′											
, ,												
,			, ,						80			
1 3 11												
' '	` '						, ,					
• • • • • •		, ,	` ′									
,								E	60			
J 11	` '								UU			
• • • • • • • • • • • • • • • • • • • •	, , , , ,											
• •	` '		, ,									
• • • • • • • • • • • • • • • • • • • •												
								4	40			
, ,	` ′	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%					
, ,		0.0%	0.0%	0.0%	0.0%	0.0%	0.4% (n=8)					
Oithona spp.	16.6% (n=1277)	0.0%	4.3% (n=1)	100.0% (n=1)	0.0%	0.0%	0.4% (n=8)					
• •		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%					
Podon/Pleopsis spp.	2.8% (n=217)	28.6% (n=2)	4.3% (n=1)	0.0%	0.0%	0.0%	15.6% (n=284)		20			
Polychaeta (larvae)	0.9% (n=66)	0.0%	4.3% (n=1)	0.0%	0.0%	0.0%	1.0% (n=19)	(n=19)				
Pseudocalanus spp.	0.0% (n=3)	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%					
Pseudodiaptomus spp.	14.8% (n=1143)	0.0%	17.4% (n=4)	0.0%	0.0%	0.0%	0.5% (n=9)					
Temora spp.	0.1% (n=9)	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		0			
	$C_{9/s}$	$C_{nid}$	$C_{YCY}$	$M_{ic}$	$M_{0p}$	Ostr	≥000		0			
	n=>>11	da (u	a (lar ) > 23	Pida ( ) Tos	Setella ">Z"Stril	lidas 1	coda n=1822	ton				
	,	(unid)	"Vae)	(unid)	spp.	46	~	' (unid	<i>'</i> )			
	Ascidiacea (larvae) Bivalvia (larvae) Bryozoa (larvae) Calanoida (ci-ciii) Centropages spp. Cirripedia (larvae) Copepoda (nauplii) Echinodermata (larvae) Eurytemora spp. Evadne spp. Fritillaria spp. Fritillaria spp. Gastropoda (larvae/Limacina) Harpacticoida- epibenthic Hydrozoa (medusa) Obelia spp. (medusa) Obelia spp. (medusa) Oikopleura spp. Oithona spp. Paracalanus spp. Podon/Pleopsis spp. Polychaeta (larvae) Pseudocalanus spp. Pseudodiaptomus spp.	Centropages spp. Cirripedia (larvae) Copepoda (nauplii) Echinodermata (larvae) Eurytemora spp. Eurytemora spp. Evadne spp. Evadne spp. Fritillaria spp. Castropoda (larvae/Limacina) Harpacticoida- epibenthic Hydrozoa (medusa) Obelia spp. (medusa) Obelia spp. (medusa) Oikopleura spp. Oithona spp. Paracalanus spp. Podon/Pleopsis spp. Polychaeta (larvae) Pseudocalanus spp. Pseudodiaptomus spp. Temora spp. O.0% (n=40) 0.0% (n=77) 0.1% (n=4) 0.0% (n=1) 0.3% (n=21) 0.3% (n=22) 2.8% (n=217) 0.9% (n=66) 0.9% (n=66) 0.0% (n=3)	Ascidiacea (larvae) 0.0% (n=2) 0.0% Bivalvia (larvae) 0.0% (n=2) 0.0% (n=2) 0.0% (n=1) 0.0% (n=2) 0.0% (n=1) 0.0% (n=2) 0.0% 0.0% (n=1) 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0	Ascidiacea (larvae) Bivalvia (larvae) Bryozoa (larvae) Calanoida (ci-ciii) Centropages spp. Cirripedia (larvae) Copepoda (nauplii) Echinodermata (larvae) Evadne spp. Fritillaria spp. Castropoda (larvae/Limacina) Harpacticoida- epibenthic Hydrozoa (medusa) Oikopleura spp. Ook (n=2) Ook (n=4) Ook	Ascidiacea (larvae) Bivalvia (larvae) Bivalvia (larvae)  Bryozoa (larvae) Calanoida (ci-ciii) Centropages spp. Cirripedia (larvae) Copepoda (nauplii) Echinodermata (larvae) Eurytemora spp. Cirritllaria spp. Castropoda (larvae/Limacina) Harpacticoida- epibenthic Hydrozoa (medusa) Obelia spp. (medusa) Obelia spp. (medusa) Obelia spp. (medusa) Oikopleura spp. Oikople	Ascidiacea (larvae) 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0	Ascidiacea (larvae) Bivalvia (larvae) Bivalvia (larvae) Bivalvia (larvae) Bryozoa (larvae) 1.8% (n=141) 0.0% 13.0% (n=3) 0.0% 0.0% 0.0% 0.0% 0.0% Calanoida (ci-citi) 27.2% (n=2098) 14.3% (n=1) 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% Centropages spp. 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0	Ascidiacea (larvae)	Ascidiacea (larvae) 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0			

Actual discarded Taxa

Relative Abundance of Top Taxonomic Instances per Sample



