ISPM

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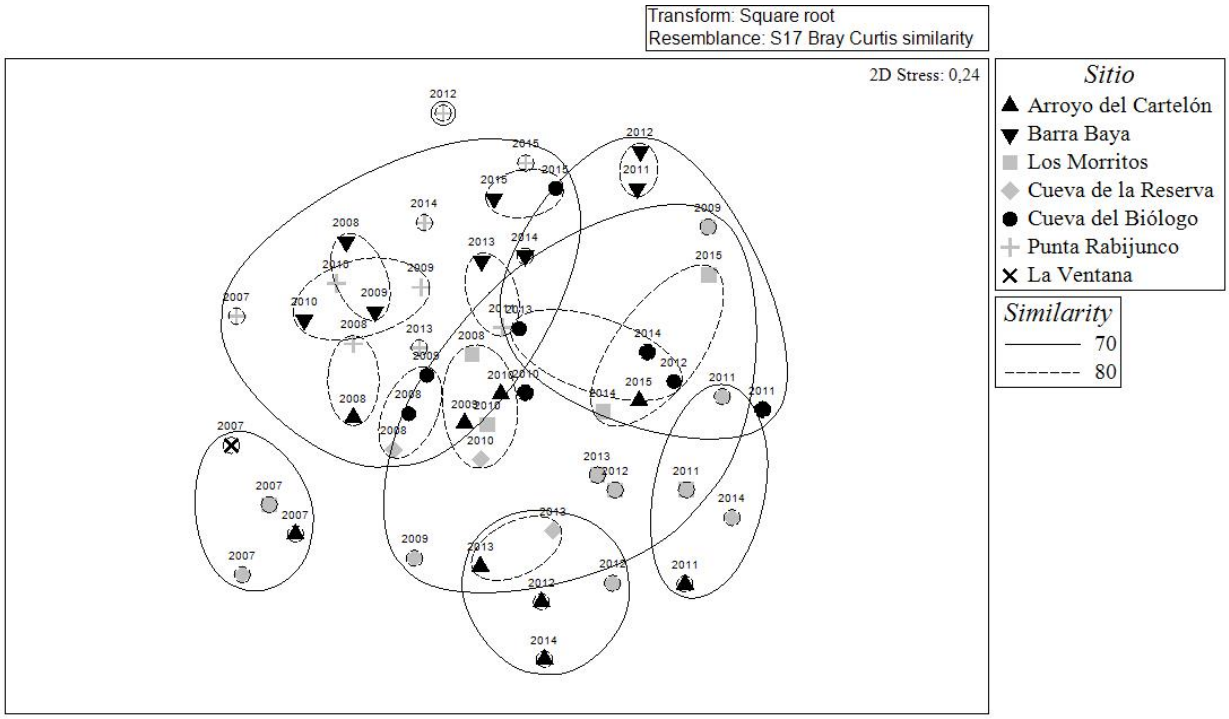
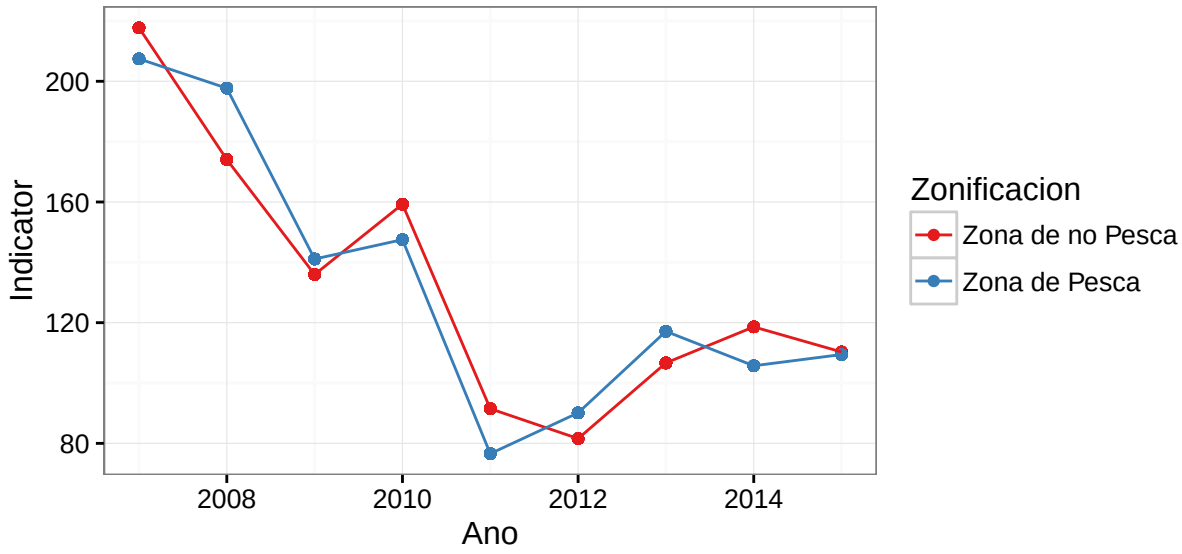


Figure 1: Escalamiento multidimensional no métrico para peces. Los marcadores en negro y gris representan zonas de pesca y no pesca, respectivamente.

Densidad promedio por zona



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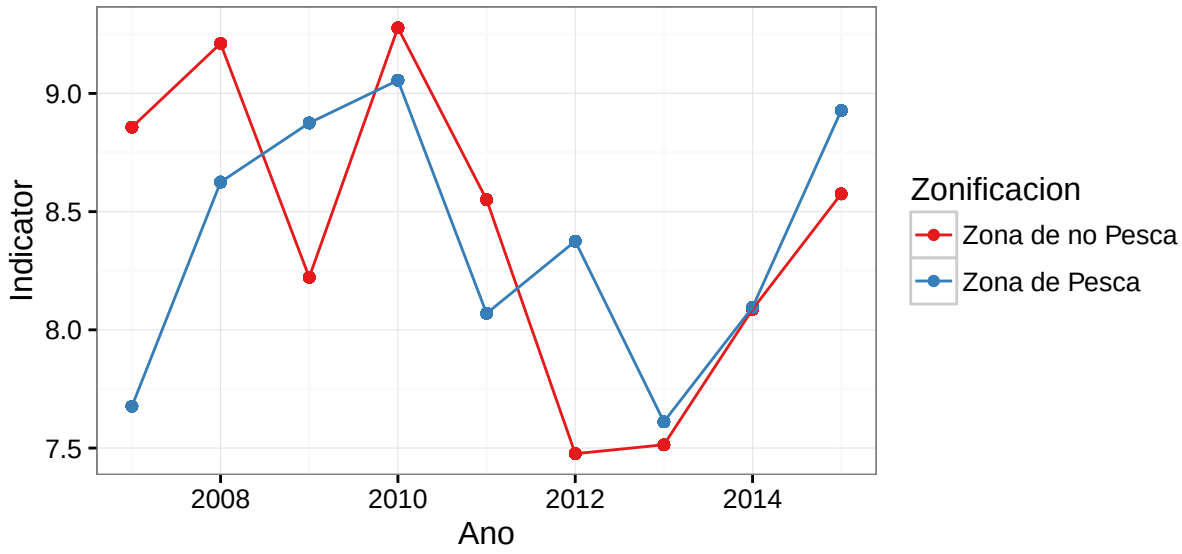
% Date and time: ma., ago. 23, 2016 - 17:59:45

Table 1: Modelos lineales describiendo cambios en las densidades promedio por zona.

	Densidad (orgs / transecto)		
	Pesca	N Reserva	
	(1)	(2)	(3)
Año	−12.889	−12.207	−15.905
	t = −3.249**	t = −3.125**	t = −5.903***
Zonificacion			−8.412
			t = −2.266**
Temperatura	26,053.270	24,681.770	32,296.540
	t = 3.266**	t = 3.142**	t = 5.922***
R^2	0.601	0.583	0.714
Adjusted R^2	0.544	0.523	0.673
Residual Std. Error	30.727 (df = 7)	30.256 (df = 7)	25.449 (df = 14)
F Statistic	10.558** (df = 1; 7)	9.767** (df = 1; 7)	17.486*** (df = 2; 14)
Note:			*p<0.1; **p<0.05; ***p<0.01

Riqueza promedio por zona



% Table created by stargazer v.5.2 by Marek Hlavac, Harvard University. E-mail: hlavac at fas.harvard.edu
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Table 2: Modelos lineales describiendo cambios en las densidades promedio por zona.

	Riqueza (s / transecto)	
	S	
	Pesca	Reserva
	(1)	(2)
Año	0.003	−0.129
	t = 0.046	t = −1.680
Constant	1.442	267.160
	t = 0.010	t = 1.735
R^2	0.0003	0.287
Adjusted R^2	−0.143	0.186
Residual Std. Error (df = 7)	0.576	0.593
F Statistic (df = 1; 7)	0.002	2.823
Note:	*p<0.1; **p<0.05; ***p<0.01	

Biomasa promedio por zona

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Table 3: Modelos lineales describiendo cambios en las densidades promedio por zona.

	Biomasa (grs)	
	B	
	Pesca	Reserva
	(1)	(2)
Año	467.307	1,191.358
	t = 0.646	t = 1.794
Constant	−927,948.900	−2,381,956.000
	t = −0.638	t = −1.784
Adjusted R^2	−0.079	0.217
Residual Std. Error (df = 7)	5,604.198	5,143.631
F Statistic (df = 1; 7)	0.417	3.219
Note:	*p<0.1; **p<0.05; ***p<0.01	

Nivel trófico promedio por zona

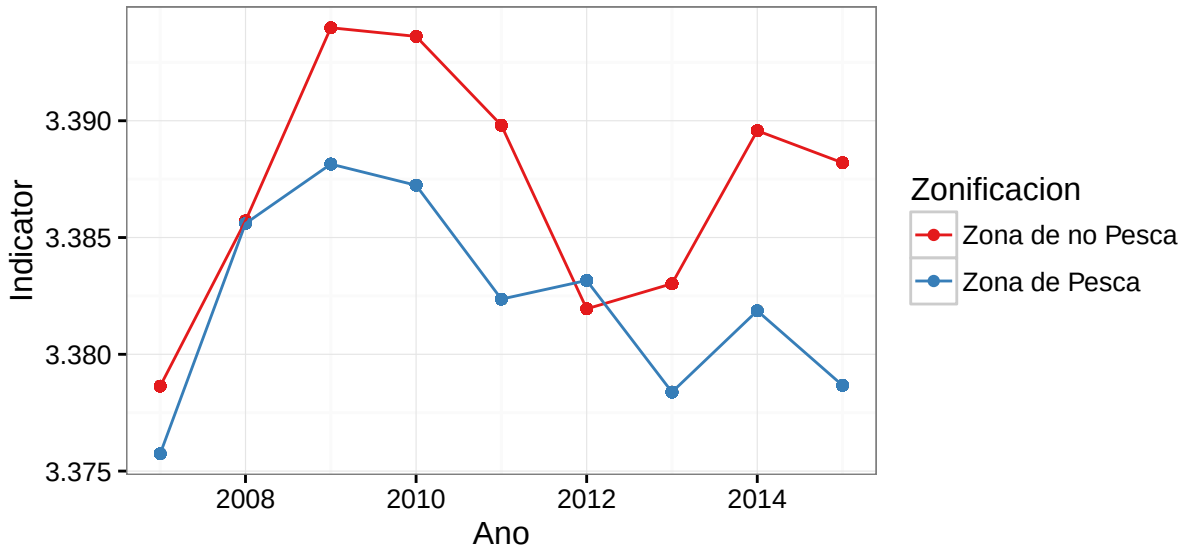

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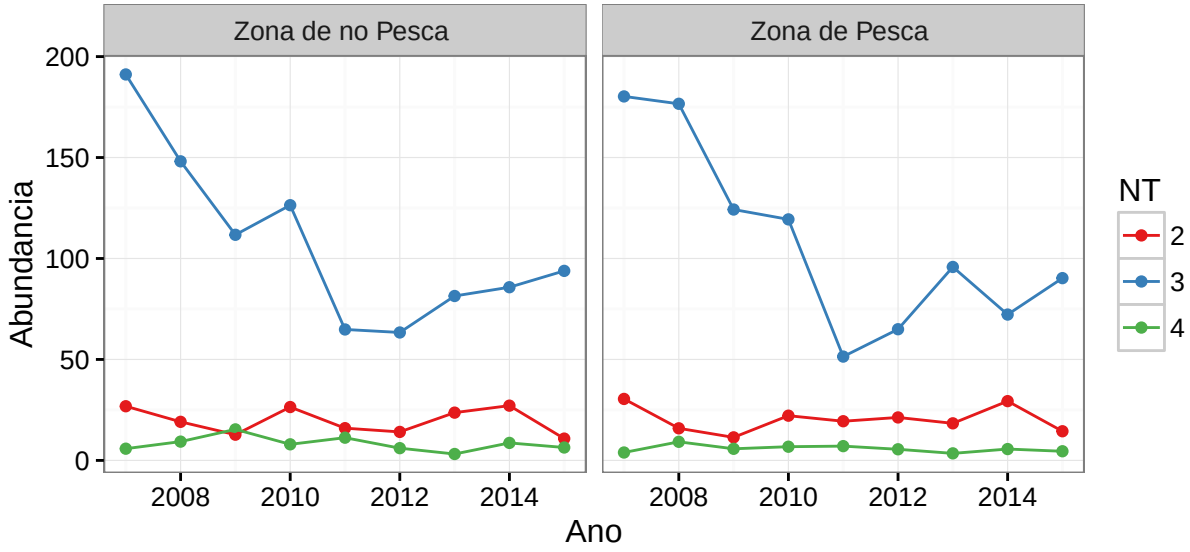
Table 4: Modelos lineales describiendo cambios en las densidades promedio por zona.

	Nivel Trófico	
	NT	
	Pesca	Reserva
	(1)	(2)
Año	−0.0004	0.0003
	t = −0.685	t = 0.377
Constant	4.157	2.842
	t = 3.674***	t = 1.968*
Adjusted R^2	−0.071	−0.120
Residual Std. Error (df = 7)	0.004	0.006
F Statistic (df = 1; 7)	0.469	0.142
Note:	*p<0.1; **p<0.05; ***p<0.01	

Proporciones de Nivel Trófico en Peces



Pearson's Chi-squared test

data: pro.NT_P X-squared = 0.38274, df = 16, p-value = 1

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Pearson's Chi-squared test
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data: pro.NT_R X-squared = 0.29691, df = 16, p-value = 1

Invertebrados

Estructura comunitaria

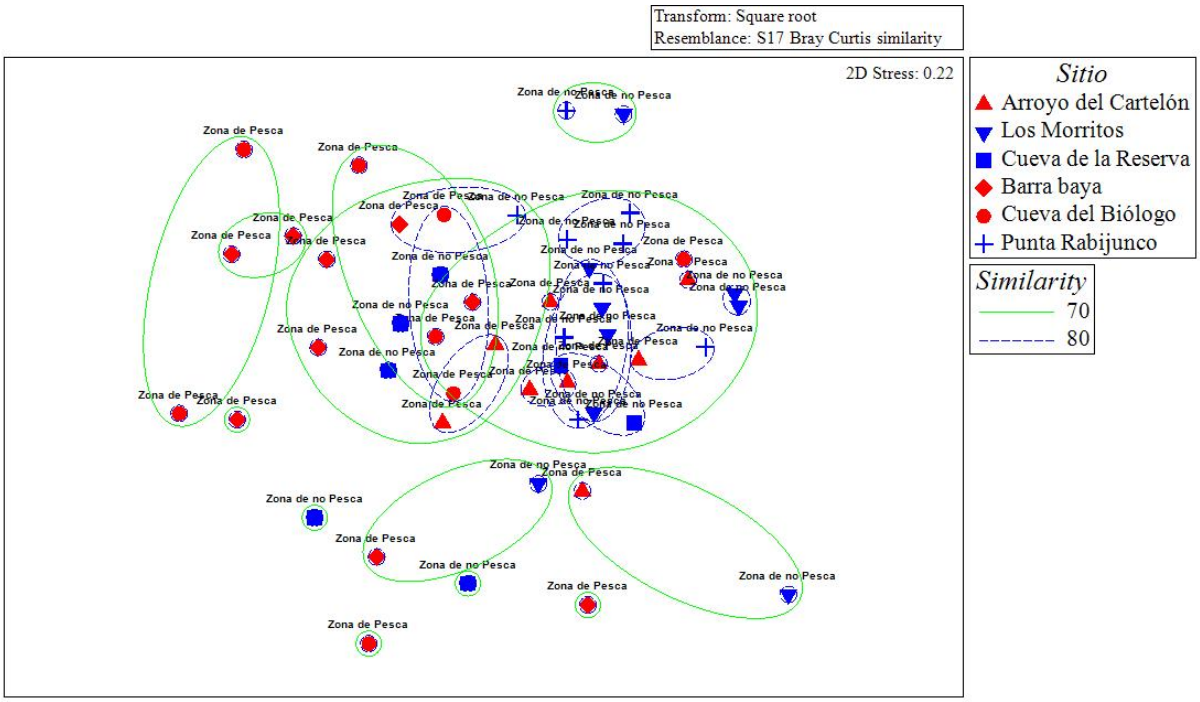

Figure 2: Escalamiento multidimensional no métrico para invertebrados. Los marcadores rojos y azules representan zonas de pesca y no pesca, respectivamente.

Densidad promedio por zona

% Table created by stargazer v.5.2 by Marek Hlavac, Harvard University. E-mail: hlavac at fas.harvard.edu
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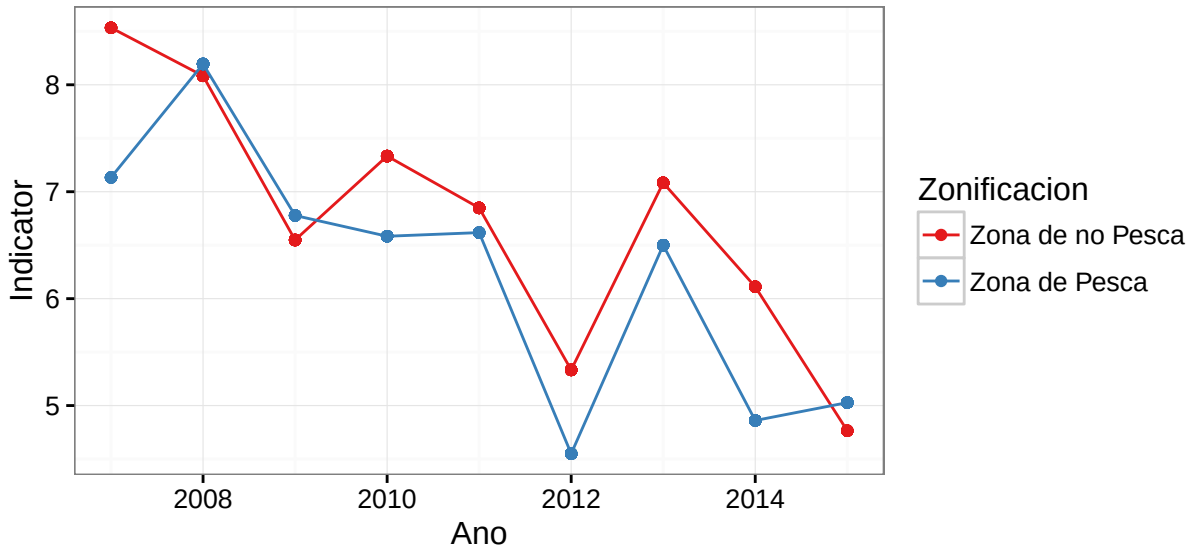
Table 5: Modelos lineales describiendo cambios en las densidades promedio por zona.

	Densidad (org / transecto)	
	N	
	Pesca	Reserva
	(1)	(2)
Año	0.640	−1.013
	t = 0.220	t = −0.282
Constant	−1,232.770	2,120.260
	t = −0.211	t = 0.294
Adjusted R^2	−0.135	−0.130
Residual Std. Error (df = 7)	22.482	27.773
F Statistic (df = 1; 7)	0.049	0.080
Note:	*p<0.1; **p<0.05; ***p<0.01	

Riqueza promedio por zona



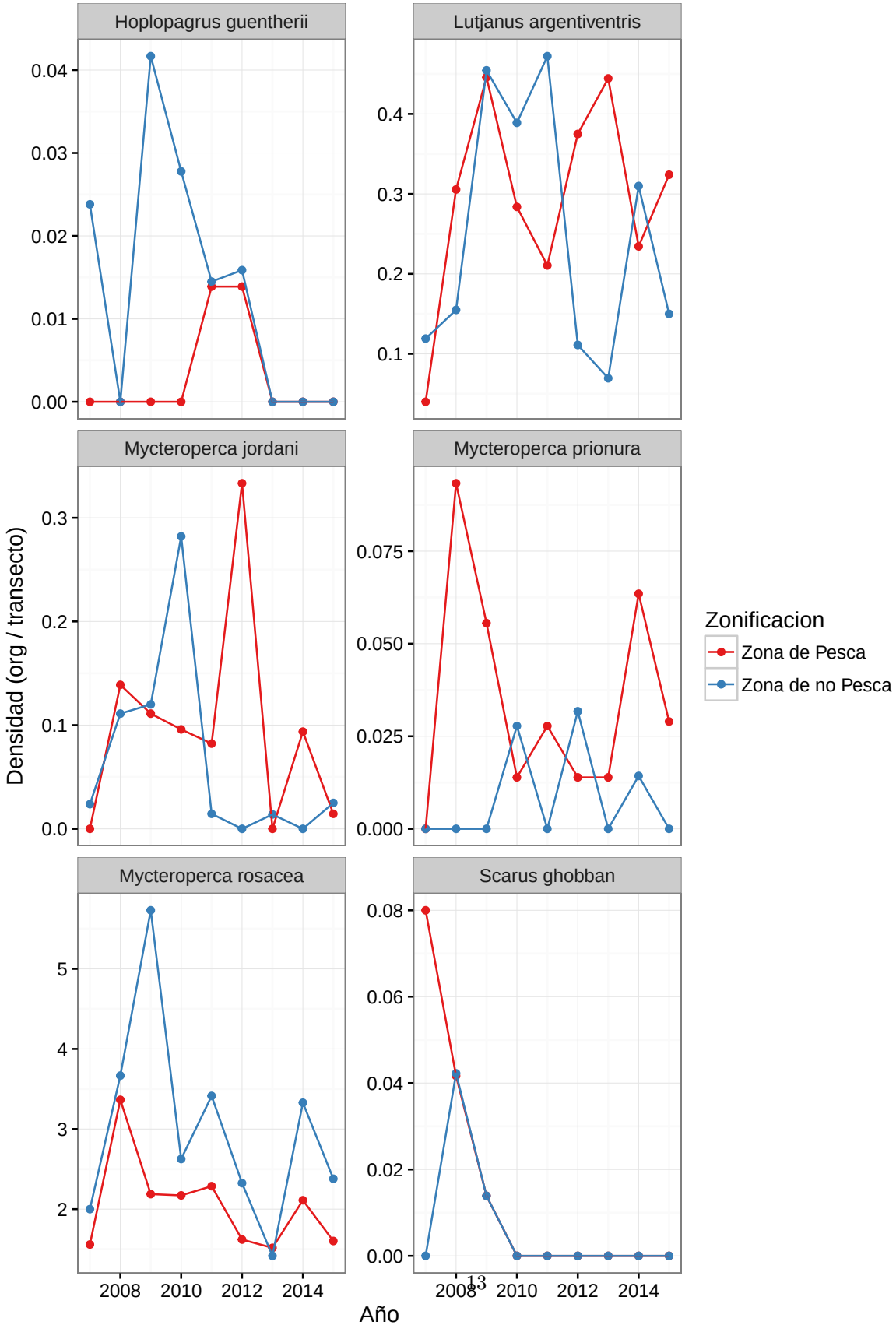
% Table created by stargazer v.5.2 by Marek Hlavac, Harvard University. E-mail: hlavac at fas.harvard.edu
% Date and time: ma., ago. 23, 2016 - 18:00:08

Table 6: Modelos lineales describiendo cambios en las densidades promedio por zona.

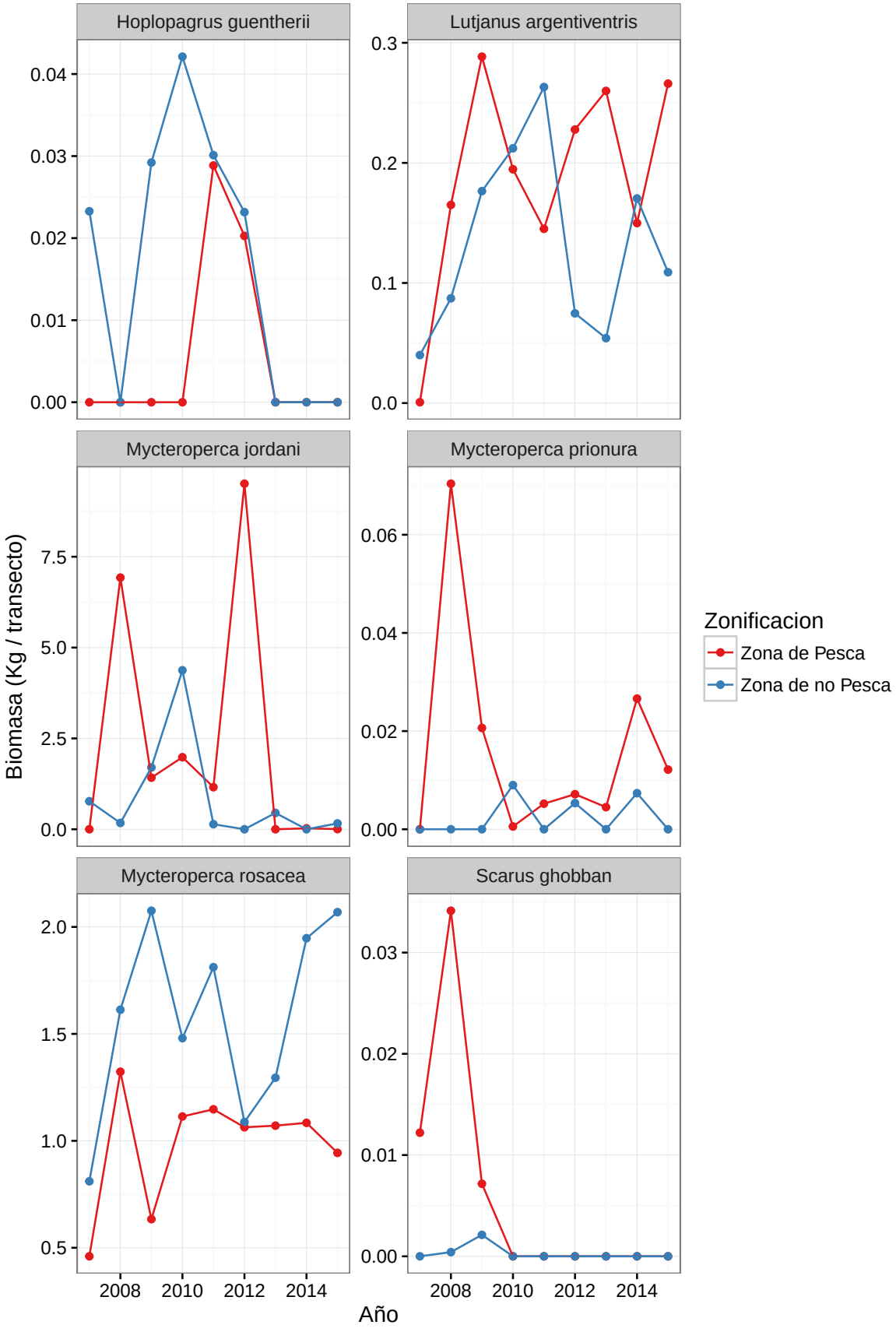
	Riqueza	
	S	
	Pesca	Reserva
	(1)	(2)
Año	−0.350	−0.365
	t = −3.543***	t = −3.838***
Constant	710.537	741.466
	t = 3.574***	t = 3.873***
Adjusted R^2	0.591	0.632
Residual Std. Error (df = 7)	0.766	0.737
F Statistic (df = 1; 7)	12.552***	14.731***
Note:	*p<0.1; **p<0.05; ***p<0.01	

Especies objetivo de RBISPM

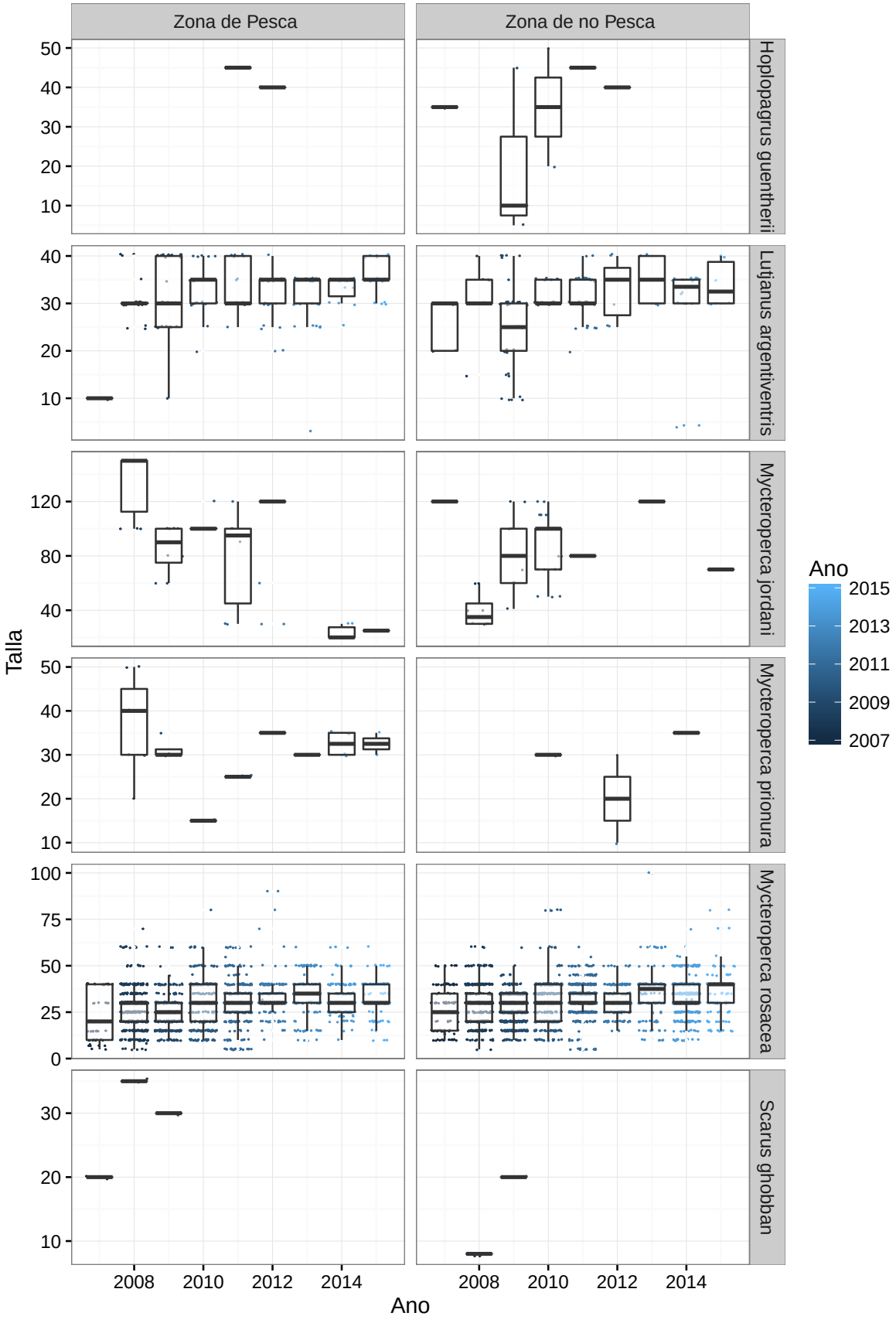
Densidades



Biomasa


Hoplopagrus guentherii
Lutjanus argentiventris
Mycteroperca jordani
Mycteroperca prionura
Mycteroperca rosacea
Scarus ghobban
Biomasa (Kg / transecto)
Año
Zonificacion
Zona de Pesca
Zona de no Pesca
0.00
0.01
0.02
0.03
0.04
0.0
0.1
0.2
0.3
0.0
2.5
5.0
7.5
0.00
0.02
0.04
0.06
0.5
1.0
1.5
2.0
0.00
0.01
0.02
0.03
2008
2010
2012
2014

Tallas


Zona de Pesca
Zona de no Pesca
Hoplopagrus guentherii
Lutjanus argentiventris
Mycteroperca jordani
Mycteroperca prionura
Mycteroperca rosacea
Scarus ghobban
Talla
Ano
2008
2010
2012
2014
Ano
2015
2013
2011
2009
2007