

# ECON7103HW4

Sedat Ors

13 February 2023

1 )

• a)

Regression results							
bycatch	Coef.	St.Err.	t-value	p-value	[95% Conf	Interval]	Sig
shrimp	1.5	.071	21.19	0	1.361	1.639	***
salmon	-2.323	.22	-10.56	0	-2.755	-1.892	***
Constant	366277.91	30113.033	12.16	0	307195.16	425360.66	***
Mean dependent var		141141.698	SD dependent var			79552.516	
R-squared		0.286	Number of obs			1200	
F-test		230.422	Prob > F			0.000	
Akaike crit. (AIC)		24182.512	Bayesian crit. (BIC)			24197.782	
*** $p < .01$ , ** $p < .05$ , * $p < .1$							

• b)

Regression results							
bycatch_demean	Coef.	St.Err.	t-value	p-value	[95% Conf	Interval]	Sig
shrimp_demean	1.54	.067	22.90	0	1.408	1.672	***
salmon_demean	1.598	.444	3.60	0	.728	2.469	***
treated_demean	640872.53	39087.654	16.40	0	564181.2	717563.84	***
Constant	-259367.69	29479.776	-8.80	0	-317208.02	-201527.36	***
Mean dependent var		66221.363	SD dependent var			96339.016	
R-squared		0.400	Number of obs			1200	
F-test		255.360	Prob > F			0.000	
Akaike crit. (AIC)		24015.907	Bayesian crit. (BIC)			24036.267	
*** $p < .01$ , ** $p < .05$ , * $p < .1$							

• c)

[4]		
VARIABLES	(1) model1	(2) model2
shrimp	1.500*** (0.0708)	
salmon	-2.323*** (0.220)	
o.treated	-	
shrimp_demean		1.540*** (0.0672)
salmon demean		1.598*** (0.444)
treated demean		640,873*** (39,088)
Constant	366,278*** (30,113)	-259,368*** (29,480)
Observations	1,200	1,200
R-squared	0.286	0.400
Number of firm	50	50
Standard errors in parentheses		
*** p<0.01, ** p<0.05, * p<0.1		