

## Appendix C. Summary Statistics of Demographics and Background Variables

Table C1. Summary Statistics on Individual Attributes

	Participants answered choice questions	Participants give no response to choice questions and demographic questions
	Mean (standard deviation)	Mean (standard deviation)
Connecticut	<b>0.746</b> (0.435)	0.694 (0.461)
Duration in seconds (Median is reported)	860s Or 14.3min	172s Or 2.87min
Postcard	0.066 (0.248)	0.037 (0.189)
<b>Gender</b>		
Female	0.044 (0.205)	0.000 (0.000)
Male	<b>0.740</b> (0.439)	0.000 (0.000)
<b>Age</b>		
18 to 20	0.011 (0.106)	0.000 (0.000)
21 to 30	0.055 (0.228)	0.000 (0.000)
31 to 40	<b>0.104</b> (0.306)	0.000 (0.000)
41 to 50	<b>0.144</b> (0.351)	0.000 (0.000)
51 to 60	<b>0.210</b> (0.407)	0.000 (0.000)
61 to 70	<b>0.186</b> (0.389)	0.000 (0.000)
Above 71	0.077 (0.267)	0.000 (0.000)
No response on age	0.199 (0.399)	1.000 (0.000)
<b>Education</b>		
High school or less	0.123 (0.328)	0.000 (0.000)
Associate's degree or some college	0.209 (0.407)	0.000 (0.000)
Bachelor's degree	<b>0.230</b> (0.421)	0.000 (0.000)
Graduate degree or some graduate school	<b>0.204</b> (0.403)	0.000 (0.000)
No response on education	0.200 (0.400)	1.000 (0.000)

Table C1 Continued

<b>Annual Income (\$)</b>		
Below 25k	0.032 (0.176)	0.000 (0.000)
25k to 50k	0.066 (0.249)	0.000 (0.000)
50k to 100k	<b>0.214</b> (0.410)	0.000 (0.000)
100k to 150k	<b>0.211</b> (0.408)	0.000 (0.000)
150k to 200k	<b>0.127</b> (0.333)	0.000 (0.000)
Above 200k	0.115 (0.319)	0.000 (0.000)
No response on income	0.234 (0.424)	1.000 (0.000)
<b>Ethnics</b>		
American Indian or Alaska Native	0.002 (0.045)	0.000 (0.000)
Asian	0.024 (0.154)	0.000 (0.000)
Black or African American	0.010 (0.100)	0.000 (0.000)
Hispanic, Latino, or Spanish	0.019 (0.137)	0.000 (0.000)
Middle Eastern or North African	0.001 (0.029)	0.000 (0.000)
Native Hawaiian or other Pacific Islander	0.002 (0.045)	0.000 (0.000)
White	<b>0.703</b> (0.457)	0.000 (0.000)
No response about ethnics	0.216 (0.411)	1.000 (0.000)
<b>Intergeneration Context</b>		
Have a child to fish with	<b>0.549</b> (0.498)	0.000 (0.000)
<b>Fish Effort in the past five years</b>		
Days saltwater fishing	57.042 (57.199)	51.441 (57.167)
Days Tautog fishing	13.499 (20.498)	14.371 (26.768)
Days Tautog fishing in the fall season	9.585 (10.609)	8.645 (10.503)
Hours per day	4.582 (2.363)	4.513 (1.928)
Tautog Caught per day	6.732 (8.062)	6.329 (7.934)
Tautog Kept per day	1.840 (1.903)	1.713 (1.623)

Table C1 Continued

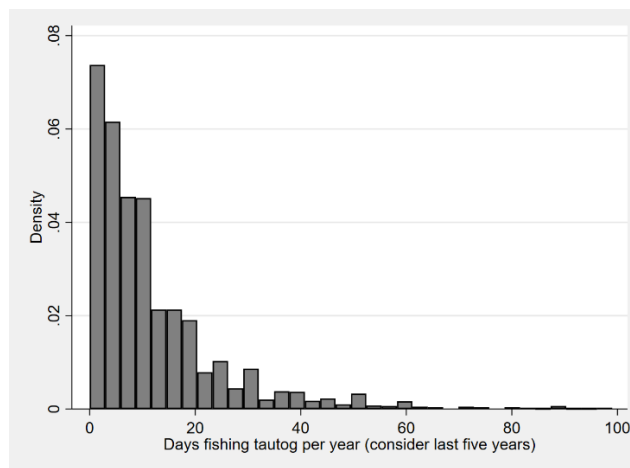
<b>Characterization of profession and angler type</b>		
Profession related to recreational fishery	<b>0.129</b> (0.335)	0.055 (0.228)
Profession related to Commercial fishery	0.027 (0.162)	0.015 (0.121)
No response for profession	0.002 (0.040)	0.514 (0.500)
Angler for food	0.118 (0.322)	0.059 (0.237)
Angler for fun	<b>0.270</b> (0.444)	0.098 (0.298)
Angler legacy	<b>0.236</b> (0.425)	0.132 (0.339)
Angler big to eat	<b>0.302</b> (0.459)	0.138 (0.345)
Angler Trophy	0.061 (0.239)	0.037 (0.189)
No response for angler type	0.013 (0.112)	0.535 (0.499)
<b>If no change in policies</b>		
No change in five years	0.169 (0.375)	0.059 (0.237)
Catches increase in five years	0.046 (0.208)	0.012 (0.108)
Keepers increase in five years	0.037 (0.190)	0.007 (0.086)
Lunkers increase in five years	0.020 (0.140)	0.009 (0.094)
Catches <b>decrease</b> in five years	0.535 (0.499)	0.135 (0.342)
Keepers <b>decrease</b> in five years	0.479 (0.500)	0.119 (0.324)
Lunkers <b>decrease</b> in five years	0.350 (0.477)	0.073 (0.260)
No Response change in five years	0.004 (0.067)	0.700 (0.459)
<b>Times encounter ever</b>		
Times encounter enforcers	<b>1.765</b> (3.043)	1.140 (1.345)
Times encounter vehicles	<b>4.986</b> (24.365)	4.322 (8.604)
N	2461	673

We interpret some statistics in Table C1 here. The median for response time is 12.6 min, while most of the respondents finish the survey within 17min.

Respondents were predominantly male (only 4.4% percent identify themselves as female), predominantly white (about 70% reported as white while 21.6% provided no response), and most of them at least reached a college degree (more than 63% reported so). Most of the respondents had an annual income higher than 50k (at least 66.7% claimed so while 23.4% didn't respond). 54.9% respondents suggested they have a child to fish with now or in the future.

An average respondent spent 56.4 days on saltwater fishing, 13.6 days on Tautog fishing per year. In the fall season, he spent 9.5 days on Tautog with 4.6 hours on water each day. On an average trip, 6.7 Tautog are caught and 1.8 are kept.

Figure C1 Distribution of Tautog fishing days per year



Fishing enthusiasts or professionals, particularly those targeting Tautog, were relatively likely to complete the survey. For participants who answered choice questions, about 13% are professionals, while this share for participants who didn't answer choice questions is significantly low (about 5.5%). Moreover, the share reporting that they are fishing for fun, treating fishing as a legacy, and fishing for trophy are significantly larger for participants who answered choice questions.

We also conducted balance check to make sure the experimental design yield expected sample segregation, for which the results are shown in Table C2. The sample is well balanced, which confirms that the randomness in our experimental design leads to expected sample realization (i.e., after considering the response bias).

Table C2. Summary Statistics for the treated and controls (balance check)

	Treated	Control	T-test
	Mean (standard deviation)	Mean (standard deviation)	T-statistics (two-sided p-value)
Connecticut	0.747 (0.435)	0.746 (0.435)	.01043 (.9917)
Duration in seconds (Median is reported)	5561.061 (30830.085)	7427.755 (53176.275)	-1.0645 (.2872)
Postcard	0.068 (0.251)	0.064 (0.245)	.36247 (.7170)
<b>Gender</b>			
Female	0.041 (0.198)	0.047 (0.212)	-.75682 (.4492)
Male	0.746 (0.436)	0.735 (0.442)	.60588 (.5447)
<b>Age</b>			
18 to 20	0.007 (0.085)	0.015 (0.123)	-1.8861+ (.0594)
21 to 30	0.063 (0.243)	0.047 (0.212)	1.7164+ (.0862)
31 to 40	0.112 (0.316)	0.096 (0.295)	1.3005 (.1936)
41 to 50	0.143 (0.351)	0.144 (0.351)	-.05702 (.9545)
51 to 60	0.209 (0.407)	0.212 (0.409)	-.17458 (.8614)
61 to 70	0.178 (0.383)	0.193 (0.395)	-.91733 (.3591)
Above 71	0.075 (0.263)	0.079 (0.270)	-.41216 (.6803)
No response on age	0.196 (0.397)	0.202 (0.401)	-.38426 (.7008)
<b>Education</b>			
High school or less	0.117 (0.321)	0.129 (0.335)	-.93 (.3525)
Associate's degree or some college	0.224 (0.417)	0.194 (0.396)	1.8075+ (.0708)
Bachelor's degree	0.223 (0.417)	0.237 (0.425)	-.78488 (.4326)
Graduate degree or some graduate school	0.208 (0.406)	0.199 (0.400)	.52172 (.6019)
No response on education	0.195 (0.396)	0.205 (0.404)	-.63489 (.5256)

Table C2 Continued

<b>Annual Income (\$)</b>			
Below 25k	0.033 (0.180)	0.031 (0.173)	.36864 (.7124)
25k to 50k	0.070 (0.255)	0.062 (0.242)	.76687 (.4432)
50k to 100k	0.209 (0.407)	0.219 (0.414)	-.56495 (.5722)
100k to 150k	0.219 (0.414)	0.203 (0.402)	1.0116 (.3118)
150k to 200k	0.121 (0.327)	0.133 (0.340)	-.85344 (.3935)
Above 200k	0.118 (0.323)	0.112 (0.315)	.493 (.6221)
No response on income	0.228 (0.420)	0.241 (0.428)	-.73056 (.4651)
<b>Ethnics</b>			
American Indian or Alaska Native	0.002 (0.049)	0.002 (0.040)	.45387 (.6500)
Asian	0.023 (0.149)	0.026 (0.159)	-.50033 (.6169)
Black or African American	0.013 (0.113)	0.007 (0.085)	1.4215 (.1553)
Hispanic, Latino, or Spanish	0.021 (0.144)	0.017 (0.129)	.75586 (.4498)
Middle Eastern or North African	0.001 (0.029)	0.001 (0.028)	.00403 (.9968)
Native Hawaiian or other Pacific Islander	0.002 (0.040)	0.002 (0.049)	-.44114 (.6591)
White	0.695 (0.461)	0.711 (0.454)	-.84144 (.4002)
No response about ethnics	0.212 (0.409)	0.220 (0.414)	-.46486 (.6421)
<b>Intergeneration Context</b>			
Have a child to fish with	0.550 (0.498)	0.549 (0.498)	.07474 (.9404)
<b>Fish Effort in the past five years</b>			
Days saltwater fishing	57.359 (58.424)	56.732 (55.975)	.27155 (.7860)
Days Tautog fishing	13.357 (21.741)	13.640 (19.189)	-.3409 (.7332)
Days Tautog fishing in the fall season	9.321 (10.123)	9.849 (11.070)	-1.224 (.2211)
Hours per day	4.565 (2.388)	4.600 (2.340)	-.35782 (.7205)
Tautog Caught per day	6.865 (8.106)	6.601 (8.020)	.80181 (.4227)
Tautog Kept per day	1.810 (1.862)	1.871 (1.943)	-.78565 (.4321)

Table C2 Continued

<b>Characterization of profession and angler type</b>			
Profession related to recreational fishery	0.117 (0.321)	0.141 (0.348)	-1.8116+ (.0702)
Profession related to Commercial fishery	0.023 (0.149)	0.031 (0.173)	-1.2242 (.2210)
No response for profession	0.001 (0.029)	0.002 (0.049)	-.99492 (.3199)
Angler for food	0.117 (0.322)	0.118 (0.323)	-.07344 (.9415)
Angler for fun	0.253 (0.435)	0.286 (0.452)	-1.8221+ (.0686)
Angler legacy	0.232 (0.422)	0.241 (0.428)	-.49056 (.6238)
Angler big to eat	0.323 (0.468)	0.282 (0.450)	<b>2.201*</b> (.0278)
Angler Trophy	0.063 (0.243)	0.059 (0.236)	.37284 (.7093)
No response for angler type	0.011 (0.106)	0.014 (0.117)	-.52612 (.5988)
<b>If no change in policies</b>			
No change in five years	0.163 (0.370)	0.175 (0.380)	-.7967 (.4257)
Catches increase in five years	0.043 (0.203)	0.048 (0.213)	-.54931 (.5828)
Keepers increase in five years	0.042 (0.202)	0.032 (0.177)	1.3029 (.1927)
Lunkers increase in five years	0.023 (0.149)	0.017 (0.129)	1.03 (.3031)
Catches <b>decrease</b> in five years	0.527 (0.499)	0.543 (0.498)	-.77794 (.4367)
Keepers <b>decrease</b> in five years	0.482 (0.500)	0.476 (0.500)	.25627 (.7978)
Lunkers <b>decrease</b> in five years	0.341 (0.474)	0.359 (0.480)	-.9103 (.3628)
No Response change in five years	0.004 (0.064)	0.005 (0.070)	-.29262 (.7698)
<b>Times encounter ever</b>			
Times encounter enforcers	1.786 (3.069)	1.744 (3.017)	.34082 (.7333)
Times encounter vehicles	4.971 (30.170)	5.001 (16.682)	-.03074 (.9755)
N	1227	1234	

Note: The stars denote the significance levels of T-test (null hypothesis – difference is zero): +, \*, \*\*, \*\*\* indicate p<0.1, p<0.05, p<0.01, p<0.001, respectively.