

Problem Set #2

Danny Edgel
Econ 717: Applied Econometrics
Spring 2022

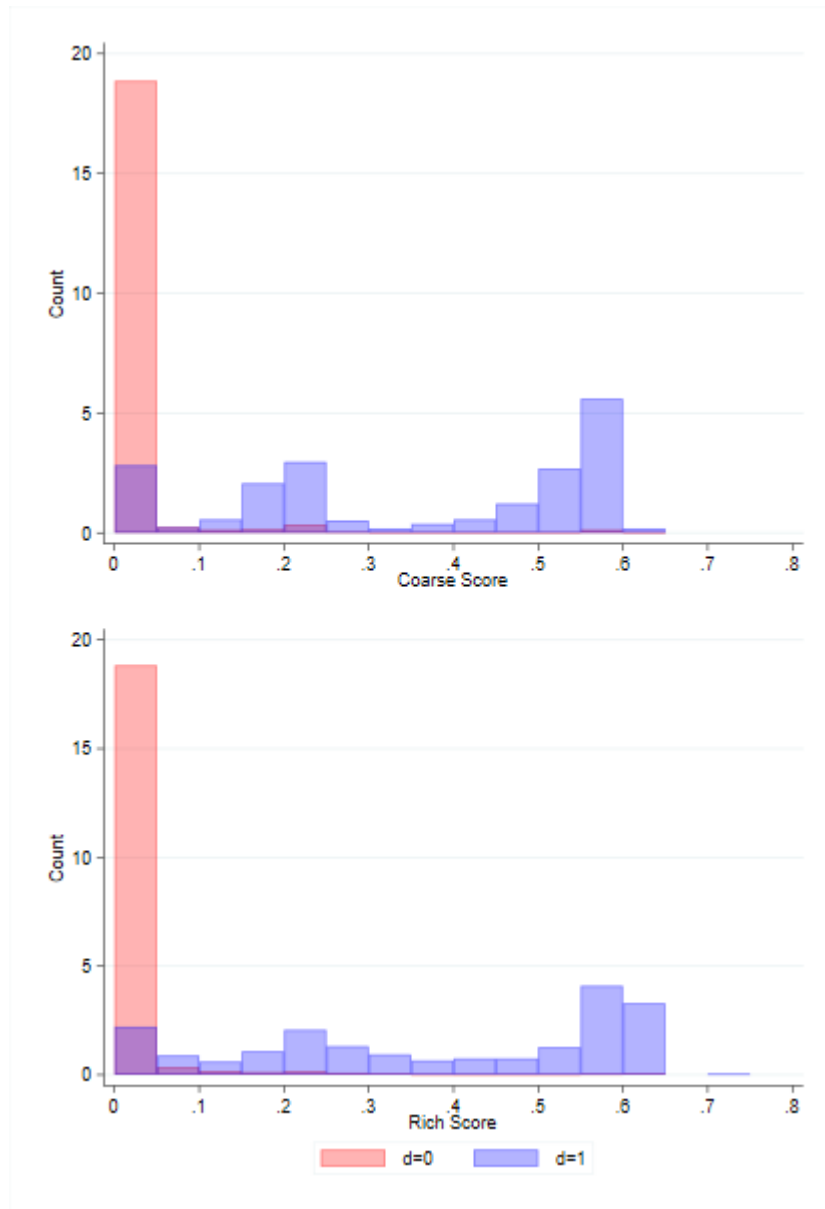
March 3, 2022

The attached file, `edgel_ps2_log.log`, includes all console output for this problem set.

VARIABLES	(1) re78
treated	824.1 (485.9)
age2	0.391 (0.569)
educ	191.0 (167.3)
black	-1,468 (734.8)
hisp	134.9 (951.5)
married	73.44 (645.0)
nodegree	-369.1 (741.6)
re74	0.0861 (0.106)
re75	0.0808 (0.119)
Constant	3,781 (2,395)

Robust standard errors in parentheses

	CPS Untreated		Experimental Control	
	<i>pscorea</i>	<i>pscoreb</i>	<i>pscorea</i>	<i>pscoreb</i>
Mean	0.017	0.017	0.355	0.378
Min	0.000	0.000	0.000	0.000
p5	0.000	0.000	0.017	0.009
p25	0.000	0.000	0.192	0.204
p50	0.000	0.000	0.426	0.420
p75	0.003	0.003	0.559	0.586
p95	0.060	0.069	0.587	0.624
Max	0.607	0.646	0.601	0.731



Using pscorea, 0 observation, or 0.0%, are dropped, and the average treatment on the treated is -4179.6 . Using pscoreb, 1 observation, or 0.0%, is dropped, and the average treatment on the treated is -2261.4 . Using pscorea, 0 observation, or 0.0%, are dropped, and the average treatment on the treated is -3092.5 . Using pscoreb, 1 observation, or 0.0%, is dropped, and the average treatment on the treated is -1865.2 . The mean standardized bias reduction from matching is 98.6% and 98.8% for real earnings in 1974 and 1975, respec-

tively.

	ATT	Bias
NN w/ replacement	-1865.2	-326.3%
Gaussian Kernel		
<i>bw = 0.02</i>	-1865.2	-326.3%
<i>bw = 0.2</i>	-1865.2	-326.3%
<i>bw = 2.0</i>	-1865.2	-326.3%
Local Linear		
<i>bw = 0.02</i>	-2157.9	-361.8%
<i>bw = 0.2</i>	-2265.9	-374.9%
<i>bw = 2.0</i>	239.2	-71.0%
Linear Regression	-1936.9	-335.0%
Q12 Estimate	-1941.8	-335.6%
IPW		
<i>Scaled</i>	-1887.1	-329.0%
<i>Unscaled</i>	-1640.8	-299.1%