



```

1 . clear
2 . set more off
3 .
4 . * PS5-II.3.a
5 .
6 . use k99
7 .
8 . eststo: reg pscore cs

```

Source	SS	df	MS	Number of obs	=	5,743
Model	34422.5013	1	34422.5013	F(1, 5741)	=	47.39
Residual	4170119.1	5,741	726.375039	Prob > F	=	0.0000
				R-squared	=	0.0082
				Adj R-squared	=	0.0080
Total	4204541.6	5,742	732.243399	Root MSE	=	26.951

pscore	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
cs	-.617992	.0897722	-6.88	0.000	-.7939795	-.4420045
_cons	64.06662	1.855053	34.54	0.000	60.43001	67.70322

(est1 stored)

```

9 . esttab using PS5-23a.tex, replace ///
> nonumbers mtitles("Regular") ///
> coeflabels(cs "Class Size" _cons "Constant") ///
> b(3) se(3)
(output written to PS5-23a.tex)

```

```

10 .
11 . * PS5-II.3.b
12 .
13 . eststo: reg pscore cs, robust

```

Linear regression	Number of obs	=	5,743
	F(1, 5741)	=	47.18
	Prob > F	=	0.0000
	R-squared	=	0.0082
	Root MSE	=	26.951

pscore	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
cs	-.617992	.08997	-6.87	0.000	-.7943672	-.4416168
_cons	64.06662	1.861063	34.42	0.000	60.41823	67.715

(est2 stored)

```

14 . esttab using PS5-23b.tex, replace ///
> nonumbers mtitles("Regular" "Robust") ///
> coeflabels(cs "Class Size" _cons "Constant") ///
> b(3) se(3)
(output written to PS5-23b.tex)

```

```

15 .

```

```

16 . * PS5-II.3.c
17 .
18 . eststo: reg pscore cs, vce (cluster classid)

```

```

Linear regression      Number of obs   =    5,743
                      F(1, 317)         =    7.13
                      Prob > F          =    0.0080
                      R-squared         =    0.0082
                      Root MSE        =    26.951

```

(Std. Err. adjusted for 318 clusters in classid)

pscore	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
cs	-.617992	.2315155	-2.67	0.008	-1.073493	-.1624909
_cons	64.06662	4.572727	14.01	0.000	55.06989	73.06335

(est3 stored)

```

19 . esttab using PS5-23c.tex, replace ///
>       nonumbers mtitles("Regular" "Robust" "Cluster") ///
>       coeflabels(cs "Class Size" _cons "Constant") ///
>       b(3) se(3)
(output written to PS5-23c.tex)

```

```

20 .
21 . * PS5-II.3.d
22 .
23 . collapse (mean) pscore cs (count) observations = pscore, by(classid)

24 . eststo: reg pscore cs [aweight = observations]
(sum of wgt is 5,743)

```

Source	SS	df	MS	Number of obs	=	318
Model	1906.03435	1	1906.03435	F(1, 316)	=	7.49
Residual	80459.3035	316	254.618049	Prob > F	=	0.0066
				R-squared	=	0.0231
				Adj R-squared	=	0.0200
Total	82365.3379	317	259.827564	Root MSE	=	15.957

pscore	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
cs	-.617992	.2258718	-2.74	0.007	-1.062395	-.1735893
_cons	64.06662	4.667413	13.73	0.000	54.88348	73.24975

(est4 stored)

```

25 . esttab using PS5-23d.tex, replace ///
>       nonumbers mtitles("Regular" "Robust" "Cluster" "Collapsed") ///
>       coeflabels(cs "Class Size" _cons "Constant") ///
>       b(3) se(3)
(output written to PS5-23d.tex)

```

```

26 . eststo clear

```

```

27 .
28 . log close
    name: <unnamed>
    log: C:\Users\wonja\Documents\GitHub\DEDP\14.320\PS5\PS5-23.smcl
    log type: smcl
    closed on: 29 Apr 2021, 14:58:05

```