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name: <unnamed>
log: /Users/Alfonso/Downloads/balsakhi.smcl
log type: smcl
opened on: 2 Feb 2017, 20:26:49

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1 . gen deltaY = test1 - test0
   (570 missing values generated)

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2 . regress deltaY bal

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Source	SS	df	MS	Number of obs = 11819		
Model	90029.781	1	90029.781	F( 1, 11817) = 223.80		
Residual	4753633.95	11817	402.270792	Prob > F = 0.0000		
Total	4843663.73	11818	409.854775	R-squared = 0.0186		
				Adj R-squared = 0.0185		
				Root MSE = 20.057		

  

deltaY	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
bal	5.52092	.3690435	14.96	0.000	4.797534	6.244306
_cons	18.21787	.2634254	69.16	0.000	17.70151	18.73423

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3 . estimates store m1, title(Model 1)

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4 . regress deltaY balsakhi

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Source	SS	df	MS	Number of obs = 11819		
Model	127668.385	1	127668.385	F( 1, 11817) = 319.90		
Residual	4715995.34	11817	399.085668	Prob > F = 0.0000		
Total	4843663.73	11818	409.854775	R-squared = 0.0264		
				Adj R-squared = 0.0263		
				Root MSE = 19.977		

  

deltaY	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
balsakhi	9.079356	.507629	17.89	0.000	8.084319	10.07439
_cons	19.62277	.1999113	98.16	0.000	19.23091	20.01463

5 . estimates store m2, title(Model 2)

6 . regress deltaY bal male

Source	SS	df	MS	Number of obs = 11819		
Model	98465.6726	2	49232.8363	F( 2, 11816) = 122.59		
Residual	4745198.06	11816	401.590898	Prob > F = 0.0000		
Total	4843663.73	11818	409.854775	R-squared = 0.0203		
				Adj R-squared = 0.0202		
				Root MSE = 20.04		

  

deltaY	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
bal	5.533417	.3687416	15.01	0.000	4.810623	6.256212
male	-1.689823	.3686954	-4.58	0.000	-2.412527	-.9671195
_cons	19.04748	.3194366	59.63	0.000	18.42133	19.67363

7 . estimates store m3, title(Model 3)

8 . regress deltaY bal bigschool

Source	SS	df	MS	Number of obs = 11819		
Model	108938.128	2	54469.0642	F( 2, 11816) = 135.93		
Residual	4734725.6	11816	400.704604	Prob > F = 0.0000		
Total	4843663.73	11818	409.854775	R-squared = 0.0225		
				Adj R-squared = 0.0223		
				Root MSE = 20.018		

  

deltaY	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
bal	5.60527	.368529	15.21	0.000	4.882892	6.327648
bigschool	-2.636666	.3838314	-6.87	0.000	-3.389039	-1.884293
_cons	19.86255	.3555926	55.86	0.000	19.16553	20.55957

9 . estimates store m4, title(Model 4)

10 . regress deltaY balsakhi male

Source	SS	df	MS	Number of obs = 11819		
Model	137180.994	2	68590.4968	F( 2, 11816) = 172.20		
Residual	4706482.73	11816	398.314382	Prob > F = 0.0000		
Total	4843663.73	11818	409.854775	R-squared = 0.0283		
				Adj R-squared = 0.0282		
				Root MSE = 19.958		

  

deltaY	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
balsakhi	9.134048	.5072617	18.01	0.000	8.139731	10.12836
male	-1.794814	.3672676	-4.89	0.000	-2.514719	-1.074909
_cons	20.50221	.2688335	76.26	0.000	19.97525	21.02916

11 . estimates store m5, title(Model 5)

12 . regress deltaY balsakhi bigschool

Source	SS	df	MS	Number of obs = 11819		
Model	134754.726	2	67377.3628	F( 2, 11816) = 169.07		
Residual	4708909	11816	398.519719	Prob > F = 0.0000		
Total	4843663.73	11818	409.854775	R-squared = 0.0278		
				Adj R-squared = 0.0277		
				Root MSE = 19.963		

  

deltaY	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
balsakhi	8.814592	.5111399	17.24	0.000	7.812674	9.816511
bigschool	-1.625548	.3854904	-4.22	0.000	-2.381172	-.8699229
_cons	20.7043	.3250989	63.69	0.000	20.06705	21.34155

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13 . estimates store m6, title(Model 6)

14 . estout m1 m2 m3 m4 m5 m6, cells(b(star fmt(3)) se(par fmt(2))) ///
    > legend label varlabels(_cons constant) ///
    > stats(r2 df_r bic, fmt(3 0 1) label(R-sqr dfres BIC))

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	Model 5	Model 1 Model 6 b/se b/se	Model 2 b/se	Model 3 b/se	Model 4 b
dummy for balsakhi~t		5.521*** (0.37)		5.533*** (0.37)	5. (0.
dummy for stud get~i	9.134*** (0.51)	8.815*** (0.51)	9.079*** (0.51)		
dummy for male	-1.795*** (0.37)			-1.690*** (0.37)	
dummy if school bi~n		-1.626*** (0.39)			-2. (0.
constant	20.502*** (0.27)	18.218*** (0.26) 20.704*** (0.33)	19.623*** (0.20)	19.047*** (0.32)	19. (0.
R-sqr	0.028	0.019 0.028	0.026	0.020	0.
dfres	11816	11817 11816	11817	11816	11
BIC	104329.2	104437.6 104335.3	104343.7	104426.0	10439

\* p<0.05, \*\* p<0.01, \*\*\* p<0.001

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15 . *** There is a clear impact of the 'bal' variable in the tests scores.
16 . *** The impact in balsakhi is bigger than the one for bal, this is a consequ
    > ence
17 . *** of how the variable is specified.
18 . *** The coefficients for the other variables are similar, but the standard e
    > rror for bal increases
19 . *** Also, there is negative coefficient for being a male, which means that t
    > here is a previous
20 . *** effect of gender that is related with bal program. We could try using ma
    > le as an interaction.
21 . *** Similar results as before. Being in a big school decreases the expected
    > variation in test scores
22 . *** Also, the standard errors for bal stays pretty much the same.
23 .
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