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 StataCorp
 4905 Lakeway Drive
 College Station, Texas 77845 USA
 800-STATA-PC <http://www.stata.com>
 979-696-4600 stata@stata.com
 979-696-4601 (fax)

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 UCLA

Notes:

1. Unicode is supported; see [help unicode advice](#).
2. Maximum number of variables is set to 5000; see [help set_maxvar](#).
3. New update available; type `-update all-`

```
1 . use "C:\Users\Workstation User\Downloads\basiclit.dta"
2 . do "C:\Users\WORKST~1\AppData\Local\Temp\STD1cb8_000000.tmp"
3 . d
```

Contains data from **C:\Users\Workstation User\Downloads\basiclit.dta**

obs:	234	
vars:	3	19 Apr 2019 11:47
size:	2,808	

variable name	storage type	display format	value label	variable label
pretest	float	%9.0g		Basic Literacy Pretest
basiclit	float	%9.0g		Assigned to Basic Literacy Course
earnyr3	float	%9.0g		Earnings in Year 3

Sorted by:

```
4 .
   end of do-file
5 . do "C:\Users\WORKST~1\AppData\Local\Temp\STD1cb8_000000.tmp"
6 . inspect *
```

pretest: Basic Literacy Pretest					Number of Observations		
					Total	Integers	Nonintegers
	#			Negative	-	-	-
	#			Zero	-	-	-
	#			Positive	234	-	234
	#	#		Total	234	-	234
#	#	#	#	Missing	-		
43.31301 78.46913					234		
(More than 99 unique values)							

basiclit: Assigned to Basic Literacy Co

Number of Observations

			Total	Integers	Nonintegers
#	#	Negative	-	-	-
#	#	Zero	112	112	-
#	#	Positive	122	122	-
#	#				
#	#	Total	234	234	-
#	#	Missing	-		
0	1		234		
(2 unique values)					

earnyr3: Earnings in Year 3

Number of Observations

			Total	Integers	Nonintegers
#	#	Negative	-	-	-
#	#	Zero	-	-	-
#	#	Positive	234	1	233
#	#				
#	#	Total	234	1	233
.	#	Missing	-		
22679.51	42099.66		234		
(More than 99 unique values)					

7 .
end of do-file

8 . d basiclit

variable name	storage type	display format	value label	variable label
basiclit	float	%9.0g		Assigned to Basic Literacy Course

9 . edit

10 . help regress

11 . reg pretest T earnyr3
variable T not found
r(111);

12 . sum

Variable	Obs	Mean	Std. Dev.	Min	Max
pretest	234	60.23216	6.749992	43.31301	78.46913
basiclit	234	.5213675	.5006141	0	1
earnyr3	234	33889.75	3459.876	22679.51	42099.66

13 . reg pretest basiclit earnyr3

Source	SS	df	MS	Number of obs	=	234
Model	8919.26976	2	4459.63488	F(2, 231)	=	607.14
Residual	1696.76791	231	7.34531563	Prob > F	=	0.0000
				R-squared	=	0.8402
				Adj R-squared	=	0.8388
Total	10616.0377	233	45.5623935	Root MSE	=	2.7102

pretest	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
basiclit	-6.98183	.4207094	-16.60	0.000	-7.810748	-6.152911
earnyr3	.0010291	.0000609	16.91	0.000	.0009091	.001149
_cons	28.99751	2.195933	13.21	0.000	24.67089	33.32413

14 . reg basiclit earnyr3

Source	SS	df	MS	Number of obs	=	234
Model	16.8933676	1	16.8933676	F(1, 232)	=	94.44
Residual	41.4997948	232	.178878426	Prob > F	=	0.0000
Total	58.3931624	233	.250614431	R-squared	=	0.2893
				Adj R-squared	=	0.2862
				Root MSE	=	.42294

basiclit	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
earnyr3	-.0000778	8.01e-06	-9.72	0.000	-.0000936	-.000062
_cons	3.15884	.272804	11.58	0.000	2.62135	3.69633

15 . twoway (scatter pretest earnyr3)

16 . twoway (scatter pretest earnyr3)

17 . edit

18 . help regress

19 . reg pretest basiclit earnyr3

Source	SS	df	MS	Number of obs	=	234
Model	8919.26976	2	4459.63488	F(2, 231)	=	607.14
Residual	1696.76791	231	7.34531563	Prob > F	=	0.0000
Total	10616.0377	233	45.5623935	R-squared	=	0.8402
				Adj R-squared	=	0.8388
				Root MSE	=	2.7102

pretest	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
basiclit	-6.98183	.4207094	-16.60	0.000	-7.810748	-6.152911
earnyr3	.0010291	.0000609	16.91	0.000	.0009091	.001149
_cons	28.99751	2.195933	13.21	0.000	24.67089	33.32413

20 . estimates store model1

21 . scatter pretest earnyr3

22 . do "C:\Users\WORKST~1\AppData\Local\Temp\STD1cb8_000000.tmp"

23 . reg pretest earnyr3 if basiclit == 1

Source	SS	df	MS	Number of obs	=	122
Model	1146.68128	1	1146.68128	F(1, 120)	=	280.53
Residual	490.502711	120	4.0875226	Prob > F	=	0.0000
				R-squared	=	0.7004
				Adj R-squared	=	0.6979
Total	1637.184	121	13.5304462	Root MSE	=	2.0218

pretest	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
earnyr3	.0009282	.0000554	16.75	0.000	.0008185	.001038
_cons	25.25304	1.788973	14.12	0.000	21.711	28.79508

24 .
end of do-file

25 . do "C:\Users\WORKST~1\AppData\Local\Temp\STD1cb8_000000.tmp"

26 . reg pretest earnyr3 if basiclit == 0

Source	SS	df	MS	Number of obs	=	112
Model	993.643745	1	993.643745	F(1, 110)	=	93.81
Residual	1165.10432	110	10.5918574	Prob > F	=	0.0000
				R-squared	=	0.4603
				Adj R-squared	=	0.4554
Total	2158.74806	111	19.4481807	Root MSE	=	3.2545

pretest	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
earnyr3	.001235	.0001275	9.69	0.000	.0009823	.0014877
_cons	21.61845	4.578767	4.72	0.000	12.54441	30.69249

27 .
end of do-file

28 . do "C:\Users\WORKST~1\AppData\Local\Temp\STD1cb8_000000.tmp"

29 . reg pretest earnyr3 if basiclit == 1

Source	SS	df	MS	Number of obs	=	122
Model	1146.68128	1	1146.68128	F(1, 120)	=	280.53
Residual	490.502711	120	4.0875226	Prob > F	=	0.0000
				R-squared	=	0.7004
				Adj R-squared	=	0.6979
Total	1637.184	121	13.5304462	Root MSE	=	2.0218

pretest	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
earnyr3	.0009282	.0000554	16.75	0.000	.0008185	.001038
_cons	25.25304	1.788973	14.12	0.000	21.711	28.79508

```

30 . predict pretestthat
    (option xb assumed; fitted values)

31 .
    end of do-file

32 . do "C:\Users\WORKST~1\AppData\Local\Temp\STD1cb8_000000.tmp"

33 . reg pretest earnyr3 if basiclit == 0

```

Source	SS	df	MS	Number of obs	=	112
Model	993.643745	1	993.643745	F(1, 110)	=	93.81
Residual	1165.10432	110	10.5918574	Prob > F	=	0.0000
				R-squared	=	0.4603
				Adj R-squared	=	0.4554
Total	2158.74806	111	19.4481807	Root MSE	=	3.2545

pretest	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
earnyr3	.001235	.0001275	9.69	0.000	.0009823	.0014877
_cons	21.61845	4.578767	4.72	0.000	12.54441	30.69249

```

34 . predict pretestthat0
    (option xb assumed; fitted values)

35 .
    end of do-file

36 . do "C:\Users\WORKST~1\AppData\Local\Temp\STD1cb8_000000.tmp"

37 . scatter pretest earnyr3, msize(tiny) xline(0.5) xtitle("Year 3 Earnings") ///
> ytitle("Pretest Score") || ///
> line pretestthat earnyr3 if basiclit == 1, sort color(red) || ///
> line pretestthat0 earnyr3 if basiclit == 0, sort color(red) legend(off)

38 .
    end of do-file

39 . do "C:\Users\WORKST~1\AppData\Local\Temp\STD1cb8_000000.tmp"

40 . gen basiclit1 if basiclit == 1
=exp required
r(100);

    end of do-file

r(100);

41 . gen basiclit1 if basiclit = 1
    (112 missing values generated)

42 . gen basiclit0 if basiclit = 0
    (112 missing values generated)

```

```
43 . reg pretest basiclit0 earnyear3
variable earnyear3 not found
r(111);
```

```
44 . reg pretest basiclit0 earnyr3
note: basiclit0 omitted because of collinearity
```

Source	SS	df	MS	Number of obs	=	122
Model	1146.68128	1	1146.68128	F(1, 120)	=	280.53
Residual	490.502711	120	4.0875226	Prob > F	=	0.0000
				R-squared	=	0.7004
				Adj R-squared	=	0.6979
Total	1637.184	121	13.5304462	Root MSE	=	2.0218

pretest	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
basiclit0	0 (omitted)					
earnyr3	.0009282	.0000554	16.75	0.000	.0008185	.001038
_cons	25.25304	1.788973	14.12	0.000	21.711	28.79508

```
45 . reg pretest basiclit1 earnyr3
note: basiclit1 omitted because of collinearity
```

Source	SS	df	MS	Number of obs	=	122
Model	1146.68128	1	1146.68128	F(1, 120)	=	280.53
Residual	490.502711	120	4.0875226	Prob > F	=	0.0000
				R-squared	=	0.7004
				Adj R-squared	=	0.6979
Total	1637.184	121	13.5304462	Root MSE	=	2.0218

pretest	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
basiclit1	0 (omitted)					
earnyr3	.0009282	.0000554	16.75	0.000	.0008185	.001038
_cons	25.25304	1.788973	14.12	0.000	21.711	28.79508

```
46 . reg pretest basiclit earnyr3 basiclit0
note: basiclit omitted because of collinearity
note: basiclit0 omitted because of collinearity
```

Source	SS	df	MS	Number of obs	=	122
Model	1146.68128	1	1146.68128	F(1, 120)	=	280.53
Residual	490.502711	120	4.0875226	Prob > F	=	0.0000
				R-squared	=	0.7004
				Adj R-squared	=	0.6979
Total	1637.184	121	13.5304462	Root MSE	=	2.0218

pretest	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
basiclit	0 (omitted)					
earnyr3	.0009282	.0000554	16.75	0.000	.0008185	.001038
basiclit0	0 (omitted)					
_cons	25.25304	1.788973	14.12	0.000	21.711	28.79508

```
47 .
```