Graded Assignment 3 – Leah Ross

Intro: This memo is addressed to the NYC Board of Education and examines the impact of a mentoring program tested in two NYC high schools where graduates worked with mentees on basic academic skills over the summer of 2016. The program targeted students with frequent absents and at an increased risk of dropping out. As high school dropouts are at higher risk for substance abuse, teen pregnancy, and job security problems, limiting dropout rates should be a priority for the Board.

Methods: This program sampled students from two NYC high schools who applied for the program. Following a difference-in-difference design, those who were not accepted acted as the baseline (control) group that represented how those who were selected into the program would have changed over time if they had not been in the program. Data on scores from an academic achievements test and absents was collected before and after the program. A randomized lottery determined who was accepted into the program of those who applied. Table 1 shows that the randomization process worked well, as the groups have similar characteristics, as 54.6% of applicants were not selected and 45.2% were selected. Looking at the mean values in Table 2 and Table 3, we see very similar values between those not in the program and those in the program in terms of scores at application, students' ethnicity, past mentoring experience, and school characteristics, further suggesting the randomization process worked well.

Findings: Before the program, participants and non-participants had nearly identical mean scores (90.2% and 89.5%). After the intervention, program participants had a slightly higher mean score of 92% compared to their starting point, and non-participants

saw a reduction in their scores to about 75.7% (Table 3, Figure 1). Meaning, scores increased by 16.3% among program participants compared to non-participants, who saw a decrease of 13.8% on average. As the program occurred in the summer, these findings suggest that program participation led to a more constant level of knowledge attainment over the summer months than students who were not in the program and perhaps learned less or forgot more over the summer.

Prior to the program, students in the program had fewer mean days absents than non-participants, 15 compared to 19 (Table 4). As seen in Table 4 and Figure 2, after the intervention, mean absents for program participants was reduced to 7 days. Absents for those not in the program remained relatively unchanged (18 days). Tables 5 and 6 provide more statistically advanced estimates of the program's impact. We find that being in the program reduced absents by around 11 days (Table 6). And being in the program also increased scores by 16.3% (Table 5).

The program had different impacts on different subgroups of students. Table 7 and Table 8 show the program affected students who had previously been mentored compared to those who had not in varying ways. In Table 7, the impact of the program on scores for students who were not previously mentored was an increase of 17.4%. Comparatively, students in the program who had previous mentor experience saw a smaller positive impact on their scores of 4.3% (Table 8). Turning to absences, for those in the program with low absences before the program (less than 17 days), being in the program increased their scores by 11.2% (Table 9). For students with high absences before the program (above 17 days), the program's impact increased their scores by 17.7% (Table 10).

Table 11 shows those with past mentoring experience were affected by the program statistically different than those without past mentoring. The program increased scores to a lesser extent for those with past mentoring than those without past mentoring experience. This suggests that perhaps those previously mentored had already reaped the benefits of mentoring, so additional mentoring led to minimal changes in scores. In comparison, students who had not been previously mentored saw significant improvements in their post-program scores. Table 12 shows that the program did not have different effects on students who had above or below the mean number of days absent. This finding suggests that varying levels of days absent prior to the program did not impact how the program affected students' scores.

Discussion: The program generally increased scores and reduced days absent for participants. It was especially beneficial in increasing scores among students who had not been previously mentored. And varying levels of absences at baseline did not affect the program's impact on scores. Limitations of this study include concerns with external validity, as the sample included only students who applied for the program. It is possible that students who took the initiative to apply were more concerned with their scores and absents relative to those who did not apply. This would cause the sample to not be representative of all the students in the two high schools. The study's internal validity is not a concern because a random lottery determined the assignment of who was selected/not selected into the program. A future mentoring program of interest to the Board could target students without prior mentorship, as these students' scores would benefit greatly. Further research is also needed to better understand if and how number of absents relate to students' risk of dropping out of school.

Table 1: Randomization Process of Program Selection

Selected into Program?	Frequency	Percentage
No	131	54.6
Yes	109	45.2
Total	240	100.0

Table 2: Breakdown of Participants Not in Program

Not in Program

Variable	Observations	Mean	Standard Deviation	Minimum	Maximum
Score at Application	131	89.5	7.6	67	99
Days Absent 3 months before Application	131	18.5	12.1	0	51
Ethnic Group Black	131	0.4	0.5	0	1
Ethnic Group Hispanic	131	0.5	0.5	0	1
Ethnic Group White	131	0.1	0.3	0	1
JFK High	131	0.3	0.4	0	1
Average Class Size	131	23.7	3.1	20	30
Ever in Mentoring Before	131	0.1	0.3	0	1

Table 2: Breakdown of Participants in Program

In Program

Variable	Observations	Mean	Standard Deviation	Minimum	Maximum
Score at Application	109	90.2	6.8	68	99
Days Absent 3 months before Application	109	14.9	11.8	0	48
Ethnic Group Black	109	0.4	0.5	0	1
Ethnic Group Hispanic	109	0.6	0.5	0	1
Ethnic Group White	109	0.1	0.3	0	1
JFK High	109	0.4	0.5	0	1
Average Class Size	109	24.1	3.7	20	30
Ever in Mentoring Before	109	0.2	0.4	0	1

Table 3: Mean Score Pre and Post Program (as %)

Mean Score	Participated in Program	No Participat	tion
Pre		90.2	89.5
Post		92	75.7

Table 4: Mean Absents Pre and Post Program

Mean Days Absent	Participated in Program	No Participation
Pre	15	19
Post	7	18

Figure 1: Mean Score (as %)

Mean Scores Pre and Post Program

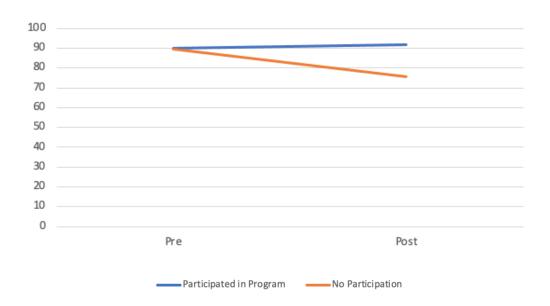


Figure 2: Mean Absents Pre and Post Program

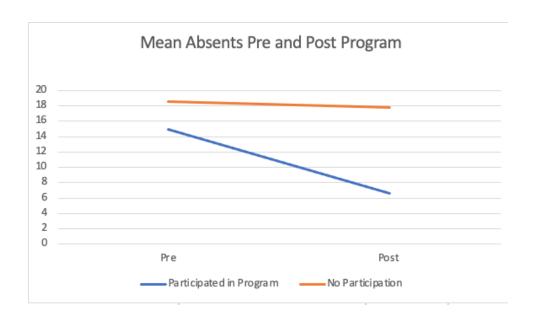


Table 5: Impact of Program Participation on Score (as %)

	OUTCOME	
VARIABLES	Score	
Program	16.3***	
	(2.2)	
Constant	75.7***	
	(1.5)	
Ol di	240	
Observations	240	
R-squared	0.2	
Standard errors in parentheses *** p<0.01, ** p<0.05, * p<0.1		

Table 6: Impact of Program Participation on Days Absent

	OUTCOME
VARIABLES	Absent
Program	-11.2***
C	(1.2)
Constant	17.9***
	(0.8)
Observations	240
R-squared	0.3

Table 7: Set A - Impact of Program on Score (as %) for Students Not Previously Mentored

OUTCOME
Score
17.4***
(2.5) 73.2***
73.2***
(1.6)
203
0.2

Table 8: Set A - Impact of Program on Score (as %) for Students Previously Mentored

	OUTCOME
VARIABLES	Score
Program	4.3***
	(1.4)
Constant	93.4***
	(1.0)
Observations	37
R-squared	0.2

Table 9: Set B - Impact of Program on Score (as %) for Students with Absences Below the Mean Pre-Program

	OUTCOME	
VARIABLES	Score	
Program	11.2***	
	(2.1)	
Constant	84.5***	
	(1.5)	
Observations	117	
R-squared	0.2	
Standard errors in parentheses *** p<0.01, ** p<0.05, * p<0.1		

Table 10: Set B - Impact of Program on Score (as %) for Students with Absences Above the Mean Pre-Program

VARIABLES	OUTCOME Score
Program	17.7***
	(3.7)
Constant	69.2***
	(2.3)
Observations	118
R-squared	0.2

Table 11: Set A - Difference in the Impact of Program on Scores (as %) for Students with Past Mentorship

	OUTCOME
VARIABLES	Score
Program	17.4***
	(2.3)
Past Mentorship	20.2***
	(4.3)
Program x Past Mentorship	-13.1**
	(5.9)
Constant	73.2***
	(1.5)
Observations	240
R-squared	0.3

Table 12: Set B - Difference in the Impact of Program on Scores (as %) for Students with Absence Level Above the Mean

	OUTCOME
MADIADIEC	
VARIABLES	Score
Program	11.2***
	(2.9)
Above Mean Absences Pre-	-15.2***
Program	
	(2.9)
Program x Above Mean Absences	6.6
Pre-Program	
	(4.207)
Constant	84.5***
	(2.2)
Observations	235
R-squared	0.3

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17.0

BE-Basic Edition

Statistics and Data Science

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Notes:

1. Unicode is supported; see help unicode advice.

1 . do "/var/folders/48/zxs488bx2qs93wr6cxmf9fvr0000gq/T//SD16999.000000"

2 . clear all

3 . capture log close

4

5 . use "/Users/leah/Desktop/EIPR/mentorStata9copy.dta", clear

6.

7 . log using "/Users/leah/Desktop/EIPR/GA 3 log file.log", replace

name: <unnamed>

log: /Users/leah/Desktop/EIPR/GA 3 log file.log

log type: text

opened on: 30 Mar 2022, 12:46:14

8.

9 . ssc install outreg2

checking **outreg2** consistency and verifying not already installed... all files already exist and are up to date.

10 .

11 .

12 . * question 1 describe the sample

13 .

14 . summarize

Variable	0bs	Mean	Std. dev.	Min	Max
black	240	.3791667	.4861936	0	1
hispanic	240	.5416667	.4993022	0	1
whiteoth	240	.0791667	.270563	0	1
kennedy	240	.3125	.4644811	0	1
classize	240	23.91667	3.372503	20	30
program	240	.4541667	.4989354	0	1
score	240	83.08333	18.78265	10	100



 pastment	240	.1541667	.3618631	0	1
pastab	240	16.8625	12.06892	0	51
absent	240	12.75417	11.02991	0	48
pastsc	240	89.83333	7.249104	67	99

15 . centile

Variable	Obs	Percentile	Centile		<pre>interp interval]</pre>
black	240	50	0	0	0
hispanic	240	50	1	0	1
whiteoth	240	50	0	0	0
kennedy	240	50	0	0	0
classize	240	50	25	25	25
program	240	50	0	0	1
score	240	50	89	86.30566	92
pastsc	240	50	92	91	92
absent	240	50	12	10	14
pastab	240	50	17	14.30566	19
pastment	240	50	0	0	0

16 .

17 . *question 2 - describe the sample and show that the randomization worked

18 .

19 . *look at breakdown and n of program participants

20 . tab1 program

-> tabulation of program

ŗ	orogram dummy	Freq.	Perc	ent Cum	۱.
	0	131 109	_	3.58 54.5 5.42 100.0	
	Total	240	100	0.00	_

21 . *label the table

22 . label variable program "selected into program?"

23 . label define yesno 0 "no" 1 "yes"

24 . label values program yesno

25 . codebook program

program selected into program?

Type: Numeric (byte)

Label: yesno

Range: [0,1] Units: 1
Unique values: 2 Missing .: 0/240



Tabulation: Freq. Numeric Label
131 0 no
109 1 yes

26 . tab1 program

-> tabulation of program

selected into program?	Freq.	Percent	Cum.
no	131	54.58	54.58
yes	109	45.42	100.00
Total	240	100.00	

27 . *outreg2 using 5.doc

28 .

30 . *look at frequency of variables, make sure in percentage $\,$

31

32 . bysort program: sum pastsc pastab black hispanic whiteoth kennedy classize pastment

-> program = no

Variable	Obs	Mean	Std. dev.	Min	Max
pastsc	131	89.50382	7.596937	67	99
pastab	131	18.51145	12.07309	0	51
black	131	.3969466	.4911429	0	1
hispanic	131	.5267176	.5012023	0	1
whiteoth	131	.0763359	.2665541	0	1
kennedy	131	.259542	.4400662	0	1
classize	131	23.74046	3.122099	20	30
pastment	131	.1221374	.3287014	0	1

-> program = yes

Variable	Obs	Mean	Std. dev.	Min	Max
pastsc pastab black hispanic whiteoth	109 109 109 109 109	90.22936 14.88073 .3577982 .559633 .0825688	6.821308 11.81628 .4815664 .4987242 .2765006	68 0 0 0	99 48 1 1
kennedy classize pastment	109 109 109	.3761468 24.12844 .1926606	.4866551 3.654274 .3962104	0 20 0	1 30 1

33 .



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34 . *outreg2 using 11.doc

35 . *shows the split is fairly even between groups

36 .

37 .

38 . * ccan onduct chi^2 test, test by association tells dif between two groups significant

39 .

40 . oneway program score

	Analysis	of va	riance		
Source	SS	df	MS	F	Prob > F
Between groups	19.7954365	57	.34728836	1.59	0.0113
Within groups	39.7003968	182	.218134048		
Total	59.4958333	239	.248936541		

Bartlett's equal-variances test: chi2(27) = 3.9008 Prob>chi2 = 1.000

note: Bartlett's test performed on cells with positive variance:

- 17 single-observation cells not used
- 13 multiple-observation cells not used
- 41 . * this is comparison of association between program and score
- 42 .
- 43 .
- 44 . * question 3 pre and post means for scores and absent EXCEL GRAPHS
- 45
- 46 . *find mean values of pre and post absent and score
- 47 .
- 48 . mean pastsc if program==0

Mean estimation

Number of obs = 131

	Mean	Std. err.	[95% conf.	interval]
pastsc	89.50382	.6637474	88.19067	90.81696

- 49 . *=89.5
- 50 . mean pastsc if program==1

Mean estimation

Number of obs = 109

	Mean	Std. err.	[95% conf.	interval]
pastsc	90.22936	.6533628	88.93428	91.52444

- 51 . *=90.2
- 52 .
- 53 . mean score if program==0

Mean estimation

Number of obs = 131

Mean Std. err. [95% conf. interval]



score 75.68702 1.801125 72.12371 79.25033

54 . *=75.7

55 . mean score if program==1

Mean estimation

Number of obs = 109

	Mean	Std. err.	[95% conf.	interval]
score	91.97248	1.062557	89.8663	94.07865

56 · *=92.0

57

58 . mean pastab if program==0

Mean estimation

Number of obs = 131

	Mean	Std. err.	[95% conf.	interval]
pastab	18.51145	1.054831	16.42459	20.59831

59 . *=18.5

60 . mean pastab if program==1

Mean estimation

Number of obs = 109

	Mean	Std. err.	[95% conf.	interval]
pastab	14.88073	1.131795	12.63732	17.12415

61 . *=14.9

62 . mean absent if program==0

Mean estimation

Number of obs = 131

	Mean	Std. err.	[95% conf.	interval]
absent	17.84733	.9219368	16.02339	19.67127

63 · *=17.8

64 . mean absent if program==1

Mean estimation

Number of obs = 109

	Mean	Std. err.	[95% conf.	interval]
absent	6.633028	.7776679	5.091555	8.1745



65 · *=6.6

66 .

67 .

68 . *numbers put into excel table and make graphs

69 .

70 .

71 . *question 4 - estimate the program impacts

72 . *formula: score=trt

73 .

74 . reg score program

Source	ss	df	MS	Numbe	r of obs	=	240
				F(1,	238)	=	54.79
Model	15779.248	1	15779.248	Prob	> F	=	0.0000
Residual	68537.0854	238	287.970947	R-squ	ared	=	0.1871
				- Adj R	-squared	=	0.1837
Total	84316.3333	239	352.788006	Root	MSE	=	16.97
score	Coefficient	Std. err.	t	P> t	[95% co	nf.	interval]
program _cons	16.28545 75.68702	2.200042 1.48265	7.40 51.05	0.000 0.000	11.9514 72.7662		20.6195 78.60782

75 . outreg2

outreg2 using `"4.doc"'

4.doc

<u>dir</u> : <u>seeout</u>

- 76 . * findings; the impact of the program on scores is 16, highly statistically significa > nt at 1% confidence level (this what expect)
- 78 .
- 79 .
- 80 . reg absent program

Source	ss	df	MS	Numbe	r of obs	=	240
Model	7482.22817	1	7482.22817	- F(1, Prob	,	=	82.46 0.0000
Residual	21594.2677	238	90.7322171		=	=	0.0000
				_	-squared	=	0.2542
Total	29076.4958	239	121.658978	3 Root	MSE	=	9.5253
	,						
absent	Coefficient	Std. err.	t	P> t	[95% coi	nf. i	interval]
program _cons	-11.2143 17.84733	1.234916 .8322333	-9.08 21.45	0.000	-13.64700 16.2078	-	-8.781539 19.48681

- 81 . *outreg2
- 82 . * findings; the impact of program on absents is -11, highly statistically significant
 > at 1% confidence interval. Meaning when accounting for program, absents decline (this what e
 > xpect)



84 .

85 . *put findings into table and describe them

86

87 . * question 5 - compare impacts of subgroups, outcome is score

00

90 .

91. *(For Set A, was the program impact different for students who were and were not prev > iously mentored; for Set B, same question for students with baseline low and high absences.)

92 .

93 .

94 . *make sub groups previously mentored vs not previously mentored

95 .

96 . reg score program if pastment ==0

Source	ss	df	MS		er of obs	=	203
Model Residual	15071.6649 61404.9854	1 201	15071.664 305.4974	4 R-squ	> F ared	= =	49.33 0.0000 0.1971
Total	76476.6502	202	378.59727	-	R-squared MSE	=	0.1931 17.478
score	Coefficient	Std. err.	t	P> t	[95% co	nf.	interval]
program _cons	17.38755 73.22609	2.475492 1.629877	7.02 44.93	0.000	12.5062 70.0122		22.26882 76.43994

97 . outreg2 using "m.doc"

m.doc

<u>dir</u> : <u>seeout</u>

99 .

100 . reg score program if pastment ==1

Source	ss	df	MS	Numbe	r of obs	=	37
Model Residual	167.259009 586.416667	1 35	167.25900 16.754761	9 R-squ	> F ared	= =	9.98 0.0033 0.2219
Total	753.675676	36	20.935435	_	-squared MSE	=	0.1997 4.0933
score	Coefficient	Std. err.	t	P> t	[95% co	onf.	interval]
program	4.291667 93.375	1.358315	3.16 91.25	0.003	1.5341		7.049192 95.45244

101 . outreg2 using "y.doc" y.doc



<u>dir</u>: <u>seeout</u>

* estimating for if did have past mentoring and in the program coef = 4.3 hig
> hly statistically significant. Shows when had previous mentoring, not as much boost in score
> when also in this new program.

103 .

104 .

105 .

*takeaway: when never past mentored and in the program, the magnitude of the
> effect of the program on scores is much larger (17.3) compared to the coeficient on program i
> f have been mentored before (4.3), both cases, these coeficents are highly statistically sign
> ificant at 1% level.

107 .

108 .

109 . *Set B: Students with high versus low absences at baseline (pastab, where "low" is l > ower than the mean, and "high" is higher than the mean.

110 .

111 . *make sub groups above and below average absent pre-program, and how this subgroup ef > fected score

112 .

113 . mean pastab

Mean estimation

Number of obs = 240

	Mean	Std. err.	[95% conf.	interval]
pastab	16.8625	.7790455	15.32783	18.39717

114 . *mean pre-program absents round to = 17

115 .

116 . gen lowmeanpastab = 1 if (pastab <17)
 (123 missing values generated)</pre>

117 . replace lowmeanpastab = 0 if (pastab <17)
 (117 real changes made)</pre>

118 . *means if lowmeanpastab = 0, then less then average absents

119 . tab1 lowmeanpastab

-> tabulation of lowmeanpastab

lowmeanpast ab	Freq.	Percent	Cum.
0	117	100.00	100.00
Total	117	100.00	

120 .

121 . *check done correctly

122 . tab2 pastab lowmeanpastab

-> tabulation of pastab by lowmeanpastab

days abs 3 lowmeanpas mo. before tab



app.	0	Total
0	31	31
1	2	2
2	3	3
3	6	6
4	4	4
5	7	7
6	6	6
7	5	5
8	5	5
9	9	9
10	11	11
11	4	4
12	4	4
13	4	4
14	4	4
15	6	6
16	6	6
Total	117	117

123 . * see assiged to 0 when absents are below 17 and assigned to 1 when values abo

> ve 17

124 .

125 . sort lowmeanpastab

126 . by lowmeanpastab: summarize pastab

-> lowmeanpastab = 0

Variable	0bs	Mean	Std. dev.	Min	Max
pastab	117	6.538462	5.350698	0	16

-> lowmeanpastab = .

Variable	Obs	Mean	Std. dev.	Min	Max
pastab	123	26.68293	7.660113	17	51

128 .

129 . gen highmeanpastab = 0 if (pastab <17) (123 missing values generated)

130 . replace highmean pastab = 1 if (pastab >17) (118 real changes made)

131 . tab1 highmeanpastab

-> tabulation of highmeanpastab

highmeanpas tab Freq. Percent Cum.



Total	235	100.00	
1	118	50.21	100.00
0	117	49.79	49.79
	 		

132 . * tells how many pre treatment absenses were above the mean = 118 or 50%

133 .

*check done correctly:
135 . sort highmeanpastab

136 . by highmeanpastab: summarize pastab

-> highmeanpastab = 0

Variable	Obs	Mean	Std. dev.	Min	Max
pastab	117	6.538462	5.350698	0	16

-> highmeanpastab = 1

Variable	Obs	Mean	Std. dev.	Min	Max
pastab	118	27.09322	7.550386	18	51

-> highmeanpastab = .

Variable	Obs	Mean	Std. dev.	Min	Max
pastab	5	17	0	17	17

137 .

138 .

139 . reg score program if lowmeanpastab == 0

Source	ss	df	MS	-,	er of obs	=	117
Model Residual	3618.86223 14224.2831	1 115	3618.86223 123.689418	Prob R-squ	F(1, 115) Prob > F R-squared Adj R-squared		29.26 0.0000 0.2028
Total	17843.1453	116	153.820218		-	=	0.1959 11.122
score	Coefficient	Std. err.	t	P> t	[95% co	onf.	interval]
program _cons	11.15608 84.46296	2.062491 1.513455	5.41 55.81	0.000	7.07068 81.465		15.24148 87.46083

140 . *program coef is 11.2, highly statistically significant at 1% level

141 . outreg2 using "1.doc"

1.doc

<u>dir</u> : <u>seeout</u>



142 . reg score program if highmeanpastab== 1

Source	ss	df	MS	Numbe	r of obs	=	118
Model Residual	8730.52725 43933.4728	1 116	8730.52725 378.736834	i Prob R-squ	F(1, 116) Prob > F R-squared Adj R-squared Root MSE		23.05 0.0000 0.1658
Total	52664	117	450.119658	_			0.1586 19.461
score	Coefficient	Std. err.	t	P> t	[95% coi	nf.	interval]
program _cons	17.70898 69.24658	3.688435 2.277757	4.80 30.40	0.000	10.4035 64.7351		25.01439 73.75796

143 . * program coef 17.7 highly statistically significant at 1% level

144 . outreg2 using "2.doc"

2.doc

dir : seeout

145 .

146 . *Then, for each of the two sets individually, create an interaction variable to test whether
> the program impact was significantly different within the two subgroups in the set.(For Set A
> , was the program impact different for students who were and were not previously mentored; f
> or Set B, same question for students with baseline low and high absences.)

147 .

148 . * Formula: Score = trt subgroup trt*subgroup

149 .

150 . *Set A:

151 .

152 . gen yespastmentprogram = (pastment*program)

153 . reg score program pastment yespastmentprogram

Source	ss	df	MS	Number of obs	=	240
 				F(3, 236)	=	28.33
Model	22324.9313	3	7441.64376	Prob > F	=	0.0000
Residual	61991.402	236	262.675432	R-squared	=	0.2648
 				Adj R-squared	=	0.2554
Total	84316.3333	239	352.788006	Root MSE	=	16.207

score	Coefficient	Std. err.	t	P> t	[95% conf.	. interval]
program pastment yespastmentprogram _cons	17.38755	2.295448	7.57	0.000	12.86536	21.90974
	20.14891	4.324506	4.66	0.000	11.62935	28.66848
	-13.09588	5.847619	-2.24	0.026	-24.61608	-1.575682
	73.22609	1.511335	48.45	0.000	70.24866	76.20352

154 . outreg2 using "3.doc"

3.doc

dir : seeout

- 155 . *interaction coefficent = -13,
- 156 . *for those with past mentoring vs those not past mentoring there is different
 - > impact when program is applied



```
157 .
                              *- Those with pastmentoring in program had less of an affect on score
   > than those without past mentoring in the program.
158 .
```

159 . *Set B:

160 .

161 . gen highmeanpastabprogram = (highmeanpastab*program) (5 missing values generated)

162 . reg score program highmeanpastab highmeanpastabprogram

Source	SS	df	MS	Number of obs	=	235
 				F(3, 231)	=	32.64
Model	24650.4399	3	8216.81331	Prob > F	=	0.0000
Residual	58157.7558	231	251.765177	R-squared	=	0.2977
 				Adj R-squared	=	0.2886
Total	82808.1957	234	353.881178	Root MSE	=	15.867

score	Coefficient	Std. err.	t	P> t	[95% conf	. interval]
program highmeanpastab highmeanpastabprogram _cons	11.15608	2.942548	3.79	0.000	5.358421	16.95375
	-15.21639	2.848009	-5.34	0.000	-20.82778	-9.604993
	6.552896	4.207399	1.56	0.121	-1.736888	14.84268
	84.46296	2.15924	39.12	0.000	80.20864	88.71729

163 . outreg2 using "4.doc"

4.doc

dir : seeout

- * 6.6 = interaction term but not statistically significant
- *remember interaction term tells Difference in the impact of TRT in the subgr > oups SUBGRP = 0 and SUBGRP = 1
- 166 . * no difference in how the treatment affected those with high vs low meanpast > ab
- 167 .

end of do-file

168 .

