User: Stata Project: ff

0 1	3,090	96.14	96.14
	124	3.86	100.00
Total	3,214	100.00	

- 1 . recode summtran (1=.)(0=1), gen (summerpersist) (3214 differences between summtran and summerpersist)
- 2 . tab summerpersist

Total	3,090	100.00	
1	3,090	100.00	100.00
RECODE of summtran (SummTran)	Freq.	Percent	Cum.

3 . tab summerpersist if winterpersist==1 //2958 students left

Total	2,958	100.00		
1	2,958	100.00	100.00	
RECODE of summtran (SummTran)	Freq.	Percent	Cum.	

- 4 .
 5 . **First Term Credits Attempted
 6 . des semcratt

variable name	storage type	display format	value label	variable label	
semcratt	float	%9.0g		SemCrAtt	

7 . sum semcratt

semcratt	3,214	9.722309	3.934055	. 5	22.5
Variable	Obs	Mean	Std. Dev.	Min	Max

- 8 . hist semcratt (bin=35, start=.5, width=.62857143)
- 9 . tab semcratt

SemCrAtt	Freq.	Percent	Cum.
. 5	1	0.03	0.03
1	35	1.09	1.12
2	21	0.65	1.77
3	143	4.45	6.22
3.5	7	0.22	6.44
4	343	10.67	17.11
4.5	22	0.68	17.80
5	49	1.52	19.32
5.5	1	0.03	19.35
6	158	4.92	24.27
6.5	20	0.62	24.89
7	157	4.88	29.78
7.5	22	0.68	30.46
8	278	8.65	39.11
8.5	41	1.28	40.39
9	105	3.27	43.65
9.5	28	0.87	44.52

10	105	3.27	47.79
10.5	17	0.53	48.32
11	93	2.89	51.21
11.5	26	0.81	52.02
12	575	17.89	69.91
12.5	123	3.83	73.74
13	309	9.61	83.35
13.5	64	1.99	85.35
14	221	6.88	92.22
14.5	38	1.18	93.40
15	89	2.77	96.17
15.5	13	0.40	96.58
16	62	1.93	98.51
16.5	15	0.47	98.97
17	19	0.59	99.56
17.5	7	0.22	99.78
18	3	0.09	99.88
19	2	0.06	99.94
19.5	1	0.03	99.97
22.5	1	0.03	100.00
Total	3,214	100.00	

10 .

 \star Generate New Variable Called semcrattX to show the three category of first term credits cap drop semcrattX 11 . 12 .

recode semcratt (0.5/5.5=1) (6/12=2) (12.5/22.5=3), gen (semcrattX) (3179 differences between semcratt and semcrattX)

14 . tab semcrattX

Cum.	Percent	Freq.	RECODE of semcratt (SemCrAtt)
19.35 69.91 100.00	19.35 50.56 30.09	622 1,625 967	1 2 3
	100.00	3,214	Total

15 . hist semcrattX (bin=35, start=1, width=.05714286)

16 .

graph pie,over(semcrattX) plabel(all percent)

18 .

19 . **First Term College-level Credits earned
20 . sum fallcollcredits

fallcollcr~s	3,214	5.83323	5.013757	0	22.5
Variable	Obs	Mean	Std. Dev.	Min	Max

21 . hist fallcollcredits
 (bin=35, start=0, width=.64285714)

22 . tab fallcollcredits

FallCollCre			
dits	Freq.	Percent	Cum.
0	778	24.21	24.21
.5	39	1.21	25.42
1	95	2.96	28.38
1.5	4	0.12	28.50
2	43	1.34	29.84
3	288	8.96	38.80
3.5	19	0.59	39.39
4	365	11.36	50.75
4.5	18	0.56	51.31
5	66	2.05	53.36
5.5	6	0.19	53.55
6	171	5.32	58.87
6.5	8	0.25	59.12
7	128	3.98	63.10
7.5	7	0.22	63.32
8	148	4.60	67.92
8.5	14	0.44	68.36
9	124	3.86	72.22
9.5	12	0.37	72.59
10	147	4.57	77.16
10.5	11	0.34	77.50
11	69	2.15	79.65
11.5	9	0.28	79.93
12	187	5.82	85.75
12.5	16	0.50	86.25
13	176	5.48	91.72
13.5	21	0.65	92.38
14	107	3.33	95.71
14.5	11	0.34	96.05
15	44	1.37	97.42
15.5	6	0.19	97.60
16	44	1.37	98.97
16.5	11	0.34	99.32
17	13	0.40	99.72
17.5	3	0.09	99.81
18	3	0.09	99.91
19	2	0.06	99.97
22.5	1	0.03	100.00
Total	3,214	100.00	

²³

 $^{\,}$ *Generate New Variable Called fallcollcreditsX to show the three category of first term $\,>$ dits earned

^{25 .} cap drop fallcollcreditsX

^{26 .} recode fallcollcredits (0/5.5=1) (6/12=2) (12.5/22.5=3), gen (fallcollcreditsX) (3119 differences between fallcollcredits and fallcollcreditsX)

27 . tab fallcollcreditsX

RECODE of fallcollcre dits (FallCollCr edits)	Freq.	Percent	Cum.
1 2 3	1,721 1,035 458	53.55 32.20 14.25	53.55 85.75 100.00
Total	3,214	100.00	

28 . hist fallcollcreditsX (bin=35, start=1, width=.05714286)

29 .
30 . graph pie,over(fallcollcreditsX) plabel(_all percent)

32 . **College-level Credits Earned in First Year

33 . sum fyrcollcredit

fyrcollcre~t	3,214	17.28718	9.449358	0	61.5
Variable	Obs	Mean	Std. Dev.	Min	Max

34 . hist fyrcollcredit (bin=35, start=0, width=1.7571429)

35 . tab fyrcollcredit

FYrCollCred			
it	Freq.	Percent	Cum.
0	18	0.56	0.56
.5	3	0.09	0.65
1	19	0.59	1.24
2	10	0.31	1.56
3	66	2.05	3.61
3.5	4	0.12	3.73
4	217	6.75	10.49
4.5	18	0.56	11.05
5	36	1.12	12.17
6	84	2.61	14.78
6.5	8	0.25	15.03
7	91	2.83	17.86
7.5	7	0.22	18.08
8	135	4.20	22.28
8.5	16	0.50	22.78
9	63	1.96	24.74
9.5	10	0.31	25.05
10	66	2.05	27.10
10.5	8	0.25	27.35
11	57	1.77	29.12
11.5	15	0.47	29.59
12	195	6.07	35.66
12.5	36	1.12	36.78
13	108	3.36	40.14
13.5	28	0.87	41.01
14	82	2.55	43.56
14.5	16	0.50	44.06
15	77	2.40	46.45
15.5	15	0.47	46.92
16	88	2.74	49.66
16.5	10	0.31	49.97

	i.		
17	72	2.24	52.21
17.5	18	0.56	52.77
18	61	1.90	54.67
18.5	12	0.37	55.04
19	67	2.08	57.13
19.5	26	0.81	57.93
20	101	3.14	61.08
20.5	20	0.62	61.70
21	79	2.46	64.16
21.5	15	0.47	64.62
22	93	2.89	67.52
22.5	15	0.47	67.98
23	71	2.21	70.19
23.5	15	0.47	70.66
24	132	4.11	74.77
24.5	21	0.65	75.42
25	128	3.98	79.40
25.5	21	0.65	80.06
26	99	3.08	83.14
26.5	20	0.62	83.76
27	67	2.08	85.84
27.5	16	0.50	86.34
28	49	1.52	87.87
28.5	13	0.40	88.27
29	52	1.62	89.89
29.5	6	0.19	90.07
30	44	1.37	91.44
30.5	11	0.34	91.79
31	30	0.93	92.72
31.5	7	0.22	92.94
32	33	1.03	93.96
32.5	4	0.12	94.09
33	29	0.90	
			94.99
33.5	3	0.09	95.08
34	25	0.78	95.86
34.5	7	0.22	96.08
35	17	0.53	96.61
35.5	5	0.16	96.76
36	14	0.44	97.20
36.5	4	0.12	97.32
37	21	0.65	97.98
37.5	3	0.09	98.07
38	14	0.44	98.51
38.5	4	0.12	98.63
39	12	0.37	99.00
39.5	3	0.09	99.10
40	7	0.22	99.32
40.5	2	0.06	99.38
	3		
41		0.09	99.47
41.5	3	0.09	99.56
42	3	0.09	99.66
4 4	4	0.12	99.78
45	1	0.03	99.81
4 6	1	0.03	99.84
47	1	0.03	99.88
47.5	1	0.03	99.91
49.5	2	0.06	99.97
61.5	1	0.03	100.00
Total	3,214	100.00	
	,		

Qiu Educ 799 Final Paper Log File Friday December 6 19:40:58 2019 Page 6 36 . *Generate New Variable Called fallcollcreditsX to show the three category of first year > dits earned cap drop fyrcollcreditX recode fyrcollcredit (0/14.5=1) (15/24=2) (24.5/61.5=3), gen (fyrcollcreditX) (3195 differences between fyrcollcredit and fyrcollcreditX) hist fyrcollcreditX (bin=35, start=1, width=.05714286) sum fyrcollcreditX Variable | Obs Std. Dev. Min Mean Max 1.811761 fyrcollcre~X 3,214 .8109727 1 3 42 . graph pie,over(fyrcollcreditX) plabel(all percent) 43 . 44 . 45 . 46 . 47 . *****Clean the Control Variable 48 . *female 49 . sum sex Variable Obs Mean Std. Dev. Min Max sex 50 . des sex storage display value variable name type format label variable label str1 %9s SEX sex 52 . cap drop female 53 . gen female=. (3,214 missing values generated) 54 . replace female=1 if sex=="F" (1,647 real changes made) 55 . replace female=2 if sex=="M" (1,567 real changes made)

57 . sum female

Variable

female

Obs

Mean

3,214 1.487554 .4999229

Std. Dev.

Min

1

Max

2

58 . tab female

Cum.	Percent	Freq.	female
51.24 100.00	51.24 48.76	1,647 1,567	1 2
	100.00	3,214	Total

59 .

60 .

61 . *race //Generate dummy variables
62 . lookfor eth

variable name	type str8	format %9s	label 	variable label Ethx	
		display	value	renieble lebel	

63 . codebook ethx

ethx

type: string (str8)

unique values: 6 missing "": 0/3,214

tabulation: Freq. Value
98 "Asian"

620 "Black" 117 "Hispanic" 146 "Other" 114 "Unknown" 2,119 "White"

65 . tab ethx,gen(x)

Ethx	Freq.	Percent	Cum.
Asian	98	3.05	3.05
Black	620	19.29	22.34
Hispanic	117	3.64	25.98
Other	146	4.54	30.52
Unknown	114	3.55	34.07
White	2,119	65.93	100.00
Total	3,214	100.00	

66 . rename x1 asian

67 . rename x2 black

- 68 . rename x3 hispanic
- 69 . rename x4 other
- 70 . rename x5 unknown
- 71 .
- 72 . cap drop white
- 73 . rename x6 white
- 74 . 75 . tab asian, m

Cum.	Percent	Freq.	ethx==Asian
96.95	96.95 3.05	3,116	0
	100.00	3,214	Total

```
76 .
```

> tabulation: Freq. Value

98 "Asian" 620 "Black" 117 "Hispanic" 146 "Other" 114 "Unknown" 2119 "White"

> */

78 . 79 .

80 .

81 . *age

82 . lookfor age

agex	str5	%9s	Agex
variable name	-	display format	variable label

83 . des agex

	storage	display	value	
variable name	type	format	label	variable label

str5 %9s agex Agex

84 . tab agex

	Agex	Freq.	Percent	Cum.
	19-24 25-50 <19	1,171 761 1,282	36.43 23.68 39.89	36.43 60.11 100.00
_	Total	3,214	100.00	

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- 85 .
- 86 . cap drop ageX
- 87 . gen ageX=.
 (3,214 missing values generated)
- 88 . replace ageX=1 if agex=="<19"
 (1,282 real changes made)</pre>
- 89 . replace ageX=2 if agex=="19-24"
 (1,171 real changes made)
- 91 .
- 92 . tab ageX

ageX	Freq.	Percent	Cum.
1	1,282	39.89	39.89
2	1,171	36.43	76.32
3	761	23.68	100.00
Total	3,214	100.00	

93 . des ageX

variable name	_	display format	variable label		
ageX	float	%9.0q			

- 94 .
- 95 . *pell
- 96 . lookfor pell

variable name	-	1 1	value label	variable label
pell	byte	%8.0g		PELL

97 . des pell

pell				
variable name	_	display format	value label	variable label

98 . sum pell

pell	3,214	.4337274	.4956656	0	1
Variable	Obs	Mean	Std. Dev.	Min	Max

99 . tab pell

Cum.	Percent	Freq.	PELL
56.63 100.00	56.63 43.37	1,820 1,394	0 1
	100.00	3,214	Total

100 .

101 . 102 . *FTEIC 103 . des ftiac

ftiac	byte	%8.0g		FTIAC	
variable name	_	display format	value label	variable label	

104 . sum ftiac

 ftiac	3,214	.5955196	.4908676	0	1
Variable	Obs	Mean	Std. Dev.	Min	Max

105 . tab ftiac

FTIAC	Freq.	Percent	Cum.
0	1,300 1,914	40.45 59.55	40.45 100.00
Total	3,214	100.00	

106 .

107 . *GPA 108 . lookfor gpa

V	variable name	storage type	display format	value label	variable label
	semgpa Tyrcumgpa	float float	_		SemGPA FYrCumGPA

109 . sum semgpa

	semgpa	3,214	2.494873	1.456922	0	4
V	ariable	Obs	Mean	Std. Dev.	Min	Max

110 . tab semgpa

SemGPA	Freq.	Percent	Cum.
0	618	19.23	19.23
.21	3	0.09	19.32
.28	1	0.03	19.35
.2833333	1	0.03	19.38
.2857143	1	0.03	19.42
.3	4	0.12	19.54
.3333333	2	0.06	19.60
.35	2	0.06	19.66
.39	2	0.06	19.73
. 4	2	0.06	19.79
.4285714	1	0.03	19.82
.4333333	2	0.06	19.88
.4666667	1	0.03	19.91

F		0.00	10.00
.5	2	0.06	19.98
.525	1	0.03	20.01
.5307692	1	0.03	20.04
.5454546	1	0.03	20.07
.5666667	1	0.03	20.10
.5714286	4	0.12	20.22
. 3 / 1 4 2 0 0			20.22
. 6	4	0.12	20.35
.625	1	0.03	20.38
.6666667	3	0.09	20.47
.68	1	0.03	20.50
	1	0.03	20.54
.6923077			20.54
. 7	10	0.31	20.85
.7285714	2	0.06	20.91
.7428572	2	0.06	20.97
.75	2	0.06	21.03
	5		
.7666667)	0.16	21.19
.7846154	1	0.03	21.22
. 8	4	0.12	21.34
.82	1	0.03	21.38
.8307692	1	0.03	21.41
0262626			21.44
.8363636	1	0.03	21.44
.8384615	1	0.03	21.47
.85	3	0.09	21.56
.8571429	5	0.16	21.72
. 9	2	0.06	21.78
.92	1	0.03	21.81
.925	2	0.06	21.87
.9857143	1	0.03	21.90
1	29	0.90	22.81
1.015385	1	0.03	22.84
1.057143	1	0.03	22.87
1.03/143		0.03	22.67
1.075	1	0.03	22.90
1.08	1	0.03	22.93
1.083333	1	0.03	22.96
1.084615	1	0.03	22.99
1.11	1	0.03	23.02
1.128571	1	0.03	23.06
1 111667	1	0 03	22.00
1.141667	1	0.03	23.09
1.142857	1	0.03	23.12
1.15	3	0.09	23.21
1.157143	3	0.09	23.30
1.175	3	0.09	23.40
1.2	4	0.12	23.52
1.207143	1	0.03	23.55
1.208333	1		
		0.03	23.58
1.22	1	0.03	23.62
1.223077	1	0.03	23.65
1.228571	1	0.03	23.68
1.233333	1	0.03	23.71
1.25	3	0.09	23.80
1.285714	2	0.06	23.86
1.3	6	0.19	24.05
1.314286	2	0.06	24.11
1 22	1	0.03	24.14
1.32			
1.333333	5	0.16	24.30
1.35	5	0.16	24.46
1.363636	1	0.03	24.49
1.375	1	0.03	24.52
1.4	1	0.03	24.55
1.414286	1	0.03	24.58
1.416667	1	0.03	24.61
1.433333	4	0.12	24.74
1.44	1	0.03	24.77
1.453846	1	0.03	24.80
1.469231	1	0.03	24.83
1.483333	1	0.03	24.86
1.491667	1	0.03	24.89
	_		

	1		
1.5	13	0.40	25.30
1.53	1	0.03	25.33
1.538462	1	0.03	25.36
1.542857	1	0.03	25.39
	1		
1.55		0.03	25.42
1.553846	1	0.03	25.45
1.566667	3	0.09	25.54
1.571429	1	0.03	25.58
1.575	2	0.06	25.64
1.6	1	0.03	25.67
1.615385	1	0.03	25.70
1.623077	1	0.03	25.73
1.633333	1	0.03	25.76
1.645455	1	0.03	25.79
	5		25.95
1.65		0.16	
1.654545	1	0.03	25.98
1.66	1	0.03	26.01
1.661538	1	0.03	26.04
1.666667	3	0.09	26.14
1.684615	1	0.03	26.17
1.692857	1	0.03	26.20
1.7	17	0.53	26.73
1.714286	2	0.06	26.79
1.72	1	0.03	26.82
1.725	2	0.06	26.88
1.73	1	0.03	26.91
1.733333	1	0.03	26.94
1.75	3	0.09	27.04
1.758333	1	0.03	27.07
1.766667	4	0.12	27.19
1.775	1	0.03	27.22
1.79	1	0.03	27.26
1.792308	1	0.03	27.29
1.8	5	0.16	27.44
1.818182	1	0.03	27.47
1.82	2	0.06	27.54
1.825	3	0.09	27.63
1.828571	1	0.03	27.66
1.83	1	0.03	27.69
1.838462	1	0.03	27.72
1.842857	1	0.03	27.75
1.85	10	0.31	28.06
1.853846	2	0.06	28.13
1.864286	1	0.03	28.16
1.9	3	0.09	28.25
1.91	3	0.09	28.34
1.927273	1	0.03	28.38
1.930769	1	0.03	28.41
1.938462	1	0.03	28.44
1.971429	1	0.03	28.47
1.98	1	0.03	28.50
1.9875	2	0.06	28.56
2	88	2.74	31.30
2.0125	1	0.03	31.33
2.014286	1	0.03	31.36
2.021429	1	0.03	31.39
2.022222	1	0.03	31.43
2.033333	1	0.03	31.46
2.053846	1	0.03	31.49
2.064286	1	0.03	31.52
2.075	2	0.06	31.58
2.07	1	0.03	31.61
2.1	7	0.22	31.83
2.1125	1	0.03	31.86
2.125	1	0.03	31.89
2.128572	2	0.06	31.95
2.133333	3	0.09	32.05
2.10000	,	0.09	32.03

2.138462	1	0.03	32.08
2.142857	1	0.03	32.11
2.15	5	0.16	32.27
2.153846	1	0.03	32.30
2.163636	1	0.03	32.33
2.17	1	0.03	32.36
2.172727	1	0.03	32.39
2.181818	1	0.03	32.42
2.192308	1	0.03	32.45
2 2	3	0 00	32.55
2.2		0.09	32.33
2.207143	1	0.03	32.58
2.22	1	0.03	32.61
2.225	1	0.03	32.64
2.230769	1	0.03	32.67
2.233333	4	0.12	32.79
2.24	1	0.03	32.83
2.246154	1	0.03	32.86
		0.03	32.00
2.25	2	0.06	32.92
2.257143	1	0.03	32.95
2.266667	4	0.12	33.07
2.28	1	0.03	33.11
2.292857	1	0.03	33.14
2.3	40	1.24	34.38
2.306667	1	0.03	34.41
2.300007		0.03	
2.308333	1	0.03	34.44
2.3125	1	0.03	34.47
2.316667	1	0.03	34.51
2.32	1	0.03	34.54
2.323077	1	0.03	34.57
2.325	2	0.06	34.63
2.333333	3	0.09	34.72
2.35	12	0.37	35.10
2.353846	1	0 03	35.13
2.333040		0.03	33.13
2.366667	1	0.03	35.16
2.385714	1	0.03	35.19
2.39	1	0.03	35.22
2.391667	1	0.03	35.25
2.392308	2	0.06	35.31
2.4	4	0.12	35.44
2.406667	1	0.03	35.47
2.416667	1	0.03	35.50
2.42	1	0.03	35.53
2.425	2	0.06	35.59
2.428571	3	0.09	35.69
2.433333	6	0.19	35.87
2.436364	1	0.03	35.91
2.4375	1	0.03	35.94
2.442857	1	0.03	35.97
2.45	2	0.06	36.03
2.454545	1	0.03	36.06
2.457143	1	0.03	36.09
			36.12
2.458333	1	0.03	
2.461539	3	0.09	36.22
	3		
2.463636		0.09	36.31
2.466667	5	0.16	36.47
2.469231	1	0.03	36.50
2.471429	2	0.06	36.56
2.475	2	0.06	36.62
2.49	1	0.03	36.65
2.490909	1	0.03	36.68
2.5	30	0.93	37.62
2.508333	2	0.06	37.68
2.51	3	0.09	37.77
2.511111	1	0.03	37.80
2.514286	1	0.03	37.83
2.515385	2	0.06	37.90
2.516667	2	0.06	37.96

2.52	3	0.09	38.05
2.523077	1	0.03	38.08
2.527273	1	0.03	38.11
2.528571	2	0.06	38.18
2.530769	1	0.03	38.21
2.533333	2	0.06	38.27
2.538461	1	0.03	38.30
2.54	1	0.03	38.33
2.542857	1	0.03	38.36
2.545455	1	0.03	38.39
2.546154	1	0.03	38.43
2.554545	1	0.03	38.46
2.557143	4	0.12	38.58
2.564286	1	0.03	38.61
2.566667	8	0.25	38.86
2.571429	3	0.09	38.95
2.572727	1	0.03	38.99
2.575	1	0.03	39.02
2.578571	1	0.03	39.05
2.58	1	0.03	39.08
2.586667	1	0.03	39.11
2.5875	1	0.03	39.14
2.588889	1	0.03	39.17
2.6	8	0.25	39.42
2.609091	1	0.03	39.45
2.61	2	0.06	39.51
2.615385	2	0.06	39.58
2.62	2	0.06	39.64
2.628572	3	0.09	39.73
2.630769	1	0.03	39.76
2.633333	1	0.03	39.79
2.6375	1	0.03	39.83
2.64	1	0.03	39.86
2.642857	2	0.06	39.92
2.65	15	0.47	40.39
2.657143	2	0.06	40.45
2.658333	1	0.03	40.48
2.66	2	0.06	40.54
2.663636	2	0.06	40.60
2.666667	3	0.09	40.70
2.675	1	0.03	40.73
2.676923	1	0.03	40.76
2.677778	1	0.03	40.79
2.68	2	0.06	40.85
2.7	43	1.34	42.19
2.705882	1	0.03	42.22
2.7125	1	0.03	42.25
2.715385	1	0.03	42.28
2.716667	2	0.06	42.35
2.72	1	0.03	42.38
2.725	1	0.03	42.41
2.727273	2	0.06	42.47
2.728571	1	0.03	42.50
2.733333	2	0.06	42.56
2.735714	1	0.03	42.59
2.742857	1	0.03	42.63
2.745455	1	0.03	42.66
2.75	5	0.16	42.81
2.753846	1	0.03	42.84
2.758333	1	0.03	42.87
2.763636	1	0.03	42.91
2.766667	9	0.28	43.19
2.769231	1	0.03	43.22
2.772727	1	0.03	43.25
2.775	1	0.03	43.28
2.78	2	0.06	43.34
	1	0.03	43.37
2.783333			

	rinar raper reg rire riraa,	20001112
2 705711	1 0.03	43.40
2.785714		
2.791667	1 0.03	43.43
2.792308	1 0.03	43.47
2.8	14 0.44	43.90
2.807143	2 0.06	43.96
2.809091	2 0.06	44.03
2.82	4 0.12	44.15
2.825	1 0.03	44.18
2.828571	5 0.16	44.34
2.833333	1 0.03	44.37
2.838462	5 0.16	44.52
2.842857	1 0.03	44.56
2.846154	2 0.06	44.62
2.85	12 0.37	44.99
2.853846	1 0.03	45.02
2.857143	5 0.16	45.18
2.861538		
	2 0.06	45.24
2.864286	1 0.03	45.27
2.866667	1 0.03	45.30
2.870588	1 0.03	45.33
2.871428	2 0.06	45.40
2.872727	1 0.03	45.43
2.875	1 0.03	45.46
2.877778	1 0.03	45.49
2.88	3 0.09	45.58
2.88125	1 0.03	45.61
2.890909	2 0.06	45.68
2.891667	1 0.03	45.71
2.892857	1 0.03	45.74
2.9	16 0.50	46.24
2.908333	3 0.09	46.33
2.914286	1 0.03	46.36
2.918182	1 0.03	46.39
2.921429	1 0.03	46.42
2.925	2 0.06	46.48
2.926667	1 0.03	46.52
2.927273	1 0.03	46.55
2.928571	2 0.06	46.61
2.93	1 0.03	46.64
2.930769	1 0.03	46.67
2.933333	1 0.03	46.70
2.935714	1 0.03	46.73
2.938462	1 0.03	46.76
2.946154	3 0.09	46.86
2.95	2 0.06	46.92
2.955555	1 0.03	46.95
2.957143	3 0.09	47.04
2.9625	2 0.06	47.11
2.969231	1 0.03	47.14
2.971429	1 0.03	47.17
2.972727	1 0.03	47.20
2.976923	1 0.03	47.23
2.98	4 0.12	47.36
2.985714	1 0.03	47.39
2.990909	1 0.03	47.42
2.992308		47.45
2.99375	1 0.03	47.48
3	124 3.86	51.34
3.00625	1 0.03	51.37
3.007692	1 0.03	51.40
3.009091	1 0.03	51.43
3.015385	1 0.03	51.46
3.018182	1 0.03	51.49
3.01875	1 0.03	51.52
3.02	1 0.03	51.56
3.022222	1 0.03	51.59
3.023077	2 0.06	51.65
	•	

3.025	2	0.06	51.71
3.028571	1	0.03	51.74
3.03	1	0.03	51.77
3.035714	1	0.03	51.80
3.041667	1	0.03	51.84
3.042857	3	0.09	51.93
3.05	3	0.09	52.02
3.053846	1	0.03	52.05
3.058333	1	0.03	52.08
3.06	2	0.06	52.15
3.069231	1	0.03	52.18
	1		
3.07		0.03	52.21
3.071429	2	0.06	52.27
3.075	3	0.09	52.36
3.076923	2	0.06	52.43
3.08	1	0.03	52.46
3.085714	3		52.55
		0.09	
3.0875	1	0.03	52.58
3.090909	1	0.03	52.61
3.092308	2	0.06	52.68
3.1	7	0.22	52.89
3.109091	2	0.06	52.96
3.111111	1	0.03	52.99
3.113333	1	0.03	53.02
3.114286	1	0.03	53.05
3.116667	2	0.06	53.11
3.12	3	0.09	53.20
3.125	1	0.03	53.24
3.126667	1	0.03	53.27
3.128572	7	0.22	53.48
3.133333	3	0.09	53.58
3.135714	1	0.03	53.61
3.138462	5	0.16	53.76
3.14	3	0.09	53.86
3.141667	1	0.03	53.89
3.142857	2	0.06	53.95
3.145455	1	0.03	53.98
3.146154	1	0.03	54.01
3.15	21	0.65	54.67
3.153846	1	0.03	54.70
3.154546	1	0.03	54.73
3.163636	1	0.03	54.76
3.171429	1	0.03	54.79
3.175	4	0.12	54.92
3.176923	1	0.03	54.95
3.18	2	0.06	55.01
3.181818	1	0.03	55.04
3.184615	1	0.03	55.07
3.185714	1	0.03	55.10
3.1875	1	0.03	55.13
			55.16
3.19	1	0.03	
3.190909	4	0.12	55.29
3.192308	1	0.03	55.32
3.192857			
3.192037	2	0.06	55.38
3.2	14	0.44	55.82
3.207692	1	0.03	55.85
3.21	2	0.06	55.91
3.2125	1	0.03	55.94
3.214286	4	0.12	56.07
3.216667	1	0.03	56.10
3.22	3	0.09	56.19
3.225	1	0.03	56.22
3.230769	1	0.03	56.25
3.233333	11	0.34	56.60
3.235714	2	0.06	56.66
3.2375	1	0.03	56.69
3.24	1	0.03	56.72
J.21	·	0.03	30.72

2 241667	1	0 03	E 6 7 E
3.241667	1	0.03	56.75
3.25	3	0.09	56.85
3.253846	1	0.03	56.88
3.254545	1	0.03	56.91
2 25625			
3.25625	1	0.03	56.94
3.257143	2	0.06	57.00
3.23/143		0.00	37.00
3.2625	1	0.03	57.03
3.264286	2	0.06	57.09
3.266667	2	0.06	57.16
3.269231	1	0 03	E7 10
3.209231		0.03	57.19
3.27	1	0.03	57.22
3.271429	4	0.12	57.34
3.272727	3	0.09	57.44
2 275			E7 E0
3.275	2	0.06	57.50
3.278571	2	0.06	57.56
3.2/03/1	_	0.00	37.30
3.28	4	0.12	57.69
3.281818	2	0.06	57.75
3.285714	3	0.09	57.84
3.286667	1	0.03	57.87
3.200007		0.03	37.67
3.2875	1	0.03	57.90
3.288235	1	0.03	57.93
2 201667			
3.291667	2	0.06	58.00
3.29375	1	0.03	58.03
3.293/3		0.03	36.03
3.3	71	2.21	60.24
3.307143	2	0.06	60.30
3.307692	6	0.19	60.49
2 210526	1	0.03	60.52
3.310526		0.03	60.52
3.311111	2	0.06	60.58
3.32	1	0.03	60.61
3.321429	1	0.03	60.64
3.323077		0 06	60 70
3.323077	2	0.06	60.70
3.325	1	0.03	60.73
3.326667	2	0.06	60.80
3.33	1	0.03	60.83
3.330769	2	0.06	60.89
3.330/09		0.06	00.09
3.333333	17	0.53	61.42
3.342857	1	0.03	61.45
3.346667	1	0.03	61.48
3.35	24	0.75	62.23
3.33		0.75	02.23
3.358333	1	0.03	62.26
3.358824	2	0.06	62.32
3.361538	1	0 03	60 35
3.301330	1	0.03	62.35
3.3625	2	0.06	62.41
3.369231	2	0.06	62.48
3.371428	1	0.03	62.51
3.375	1	0.03	62.54
3.3/3		0.03	02.54
3.376923	4	0.12	62.66
3.381818	3	0.09	62.76
3.385714	1	0.03	62.79
J.JOJ/14			
3.39	1	0.03	62.82
3.392308	6	0.19	63.01
3.392857	1	0.03	63.04
3.4	10	0.31	63.35
		0.31	
3.408333	1	0.03	63.38
3.414286	2	0.06	63.44
3.416667	1	0.03	63.47
3.42	1	0.03	63.50
3.422222	2	0.06	63.57
3.423077	1	0.03	63.60
3.425	4	0.12	63.72
3.428571	8	0.25	63.97
3.433333	9	0.28	64.25
3 /3571/	2	0.06	64.31
3.435714			
3.442857	3	0.09	64.41
3.446154	2	0.06	64.47
3.45	4	0.12	64.59
3.454545	2	0.06	64.65
	· -	0.00	31.33

3.458333	1	0.03	64.69
3.46	2	0.06	64.75
3.4625	1	0.03	64.78
3.463636	1	0.03	64.81
3.466667	3	0.09	64.90
3.469231	1	0.03	64.93
3.471429	4	0.12	65.06
3.472727	2	0.06	65.12
3.475	2	0.06	65.18
3.478571	2	0.06	65.25
3.48	2	0.06	65.31
3.483333	2	0.06	65.37
3.484615	2	0.06	65.43
3.49	2	0.06	65.49
3.490909	1	0.03	65.53
3.492857	1	0.03	65.56
3.493333	1	0.03	65.59
3.5	34	1.06	66.65
3.50625	1	0.03	66.68
3.506667	1	0.03	66.71
3.51	3	0.09	66.80
3.516667	1	0.03	66.83
3.523077	2	0.06	66.89
3.525	2	0.06	66.96
3.527273	3	0.09	67.05
3.528571	2	0.06	67.11
3.529412	1	0.03	67.14
3.530769	1	0.03	67.17
3.533333	4	0.12	67.30
3.536364	3	0.09	67.39
3.538461	3	0.09	67.49
3.54	2	0.06	67.55
3.546667	4	0.12	67.67
3.55	2	0.06	67.73
3.552941	1		
		0.03	67.77
3.553333	1	0.03	67.80
3.553846	2	0.06	67.86
3.554545	3	0.09	67.95
3.555556	1	0.03	67.98
3.557143	1	0.03	68.01
3.561538	1	0.03	68.05
3.5625	1	0.03	68.08
3.564286	3	0.09	68.17
3.566667	15	0.47	68.64
3.571429	3	0.09	68.73
3.573333	1	0.03	68.76
3.575	6	0.19	68.95
3.576471	1	0.03	68.98
3.58	2	0.06	69.04
3.58125	1	0.03	69.07
3.583333	1	0.03	69.10
3.584615	1	0.03	69.14
3.585714			
	2	0.06	69.20
3.591667	2	0.06	69.26
3.593333	1	0.03	69.29
3.594445	1	0.03	69.32
3.6	20	0.62	69.94
3.607692	2	0.06	70.01
3.608333	1	0.03	70.04
3.61	2	0.06	70.10
3.616667	1	0.03	70.13
3.623077	1	0.03	70.15
3.625	2	0.06	70.22
3.63	1	0.03	70.26
3.633333	1	0.03	70.29
3.635714	4	0.12	70.41
3.636364	4	0.12	70.54
5.050504	4	0.12	70.54

3.638462 1 0.03 70.57 3.641176 1 0.03 70.63 3.642857 1 0.03 70.63 3.646154 1 0.03 70.69 3.653333 1 0.03 71.41 3.663636 1 0.03 71.47 3.663636 1 0.03 71.50 3.673333 1 0.03 72.00 3.673333 1 0.03 72.00 3.673333 1 0.03 72.00 3.681818 1 0.03 72.15 3.681818 1 0.03 72.15 3.692308 3 0.09 72.25 3.70333 1 0.03 75.92 3.71286 3 0.09 76.01 3.71286 3 0.09 72.25 3.73155 1 0.03 75.92 3.71286 3 0.09 76.01 3.715385 1 0.03 76.07 3.721429 2 0.06 76.57				
3.638889 1 0.03 70.60 3.642857 1 0.03 70.63 3.642857 1 0.03 70.66 3.65 23 0.72 71.41 3.653333 1 0.03 71.44 3.663636 1 0.03 71.47 3.666667 14 0.44 71.94 3.673333 1 0.03 72.00 3.675 4 0.12 72.12 3.681818 1 0.03 72.53 3.682308 3 0.09 72.25 3.708333 1 0.03 75.92 3.714286 3 0.09 72.25 3.714286 3 0.09 72.25 3.7129 1 0.03 75.92 3.7214289 2 0.06 76.14 3.725 3 0.09 76.23 3.721429 2 0.06 76.51 3.725 3 0.09 76.23 3.72073 2 0.06 76.51 3.730769	3 638162	1	U U3	70 57
3.641176 3.642857 1 0.03 70.63 3.646154 1 0.03 70.69 3.65 3.63333 1 0.03 71.44 3.663336 1 0.03 71.47 3.663636 1 0.03 71.47 3.663636 1 0.03 71.47 3.67 3.67 14 0.44 71.94 3.67 1 0.03 72.00 3.681818 1 0.03 72.01 3.681818 1 0.03 72.15 3.681818 1 0.03 72.15 3.692308 3 0.09 72.25 3.792308 3 0.09 72.25 3.714286 3 0.09 76.01 3.715385 1 0.03 75.92 3.71429 2 0.06 76.01 3.72273 2 0.06 76.14 3.72273 2 0.06 76.29 3.730769 2 0.06 76.35 3.744545 2 0.06 76.51 3.745455 2 0.06 76.51 3.746154 2 0.06 76.57 3.753333 1 0.03 76.82 3.755333 1 0.03 76.82 3.766667 7 0.22 76.79 3.775 3.78 1 0.03 77.07 3.766667 7 0.22 77.50 3.785714 5 0.03 77.64 3.785714 5 0.03 77.66 3.784615 4 0.12 77.78 3.88 1 0.03 77.69 3.88333 1 0.03 77.69 3.883333 4 0.12 77.88 3.883333 4 0.12 77.88 3.882 1 0.03 77.66 3.88875 1 0.03 78.82 3.883333 4 0.12 77.95 3.88875 1 0.03 78.83 3.88188 1 0.03 79.54 3.883333 2 0.09 79.68 3.881818 1 0.03 79.74 3.883333 4 0.12 79.56 3.881818 1 0.03 81.03 3.881818 1 0.03 81.03 3.881818 1 0.03 81.03 3.881818 1 0.03 81.03 3.881818 1 0.03 81.03 3.881818 1 0.03 81.55 3.881818 1 0.03 81.55 3.881818 1 0.03 81.55 3.881818 1 0.03 81.55 3.881818 1 0.03 81.55 3.881818 1 0.03 81.55 3.881818 1 0.03 81.55 3.881818 1 0.03 81.55				
3.642857 1 0.03 70.66 3.65 23 0.72 71.41 3.653333 1 0.03 71.47 3.663636 1 0.03 71.47 3.663636 1 0.03 71.50 3.663636 1 0.03 71.50 3.666667 14 0.44 71.97 3.675 4 0.12 72.00 3.681818 1 0.03 72.51 3.681818 1 0.03 72.15 3.688889 3 0.09 72.25 3.692308 3 0.09 72.25 3.714286 3 0.09 75.92 3.714286 3 0.09 76.01 3.7214289 2 0.06 76.14 3.725 3 0.09 76.23 3.727373 2 0.06 76.29 3.730769 2 0.06 76.51 3.745455 2 0.06 76.51 3.746154 2 0.06 76.51 3.	3.638889	1	0.03	70.60
3.642857 1 0.03 70.66 3.65 23 0.72 71.41 3.653333 1 0.03 71.47 3.663636 1 0.03 71.47 3.663636 1 0.03 71.50 3.663636 1 0.03 71.50 3.666667 14 0.44 71.97 3.675 4 0.12 72.00 3.681818 1 0.03 72.51 3.681818 1 0.03 72.15 3.688889 3 0.09 72.25 3.692308 3 0.09 72.25 3.714286 3 0.09 75.92 3.714286 3 0.09 76.01 3.7214289 2 0.06 76.14 3.725 3 0.09 76.23 3.727373 2 0.06 76.29 3.730769 2 0.06 76.51 3.745455 2 0.06 76.51 3.746154 2 0.06 76.51 3.	3 641176	1	0.03	70 63
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3.814286 1 0.03 78.81 3.82 1 0.03 78.84 3.825 7 0.22 79.06 3.828571 12 0.37 79.43 3.833333 4 0.12 79.56 3.835714 1 0.03 79.59 3.838462 3 0.09 79.68 3.84 1 0.03 79.71 3.841667 1 0.03 79.74 3.86 1 0.03 80.93 3.861538 3 0.09 81.02 3.866667 1 0.03 81.05 3.86875 1 0.03 81.08 3.871428 7 0.22 81.33 3.88 6 0.19 81.52 3.881818 1 0.03 81.55 3.883333 2 0.06 81.61 3.884615 1 0.03 81.64	3.8125	3	0.09	78.78
3.82 1 0.03 78.84 3.825 7 0.22 79.06 3.828571 12 0.37 79.43 3.833333 4 0.12 79.56 3.835714 1 0.03 79.59 3.838462 3 0.09 79.68 3.84 1 0.03 79.71 3.841667 1 0.03 79.74 3.85 37 1.15 80.90 3.861538 3 0.09 81.02 3.866667 1 0.03 81.05 3.86875 1 0.03 81.08 3.871428 7 0.22 81.30 3.8875 1 0.03 81.55 3.881818 1 0.03 81.55 3.883333 2 0.06 81.61 3.884615 1 0.03 81.64				
3.825 7 0.22 79.06 3.828571 12 0.37 79.43 3.833333 4 0.12 79.56 3.835714 1 0.03 79.59 3.838462 3 0.09 79.68 3.84 1 0.03 79.71 3.841667 1 0.03 79.74 3.85 37 1.15 80.90 3.861538 3 0.09 81.02 3.866667 1 0.03 81.05 3.871428 7 0.22 81.30 3.871428 7 0.22 81.33 3.88 6 0.19 81.52 3.881818 1 0.03 81.55 3.883333 2 0.06 81.61 3.884615 1 0.03 81.64	3.814286		0.03	/8.81
3.825 7 0.22 79.06 3.828571 12 0.37 79.43 3.833333 4 0.12 79.56 3.835714 1 0.03 79.59 3.838462 3 0.09 79.68 3.84 1 0.03 79.71 3.841667 1 0.03 79.74 3.85 37 1.15 80.90 3.861538 3 0.09 81.02 3.866667 1 0.03 81.05 3.871428 7 0.22 81.30 3.871428 7 0.22 81.33 3.88 6 0.19 81.52 3.881818 1 0.03 81.55 3.883333 2 0.06 81.61 3.884615 1 0.03 81.64	3.82	1	0.03	78.84
3.828571 12 0.37 79.43 3.833333 4 0.12 79.56 3.835714 1 0.03 79.59 3.838462 3 0.09 79.68 3.84 1 0.03 79.71 3.85 37 1.15 80.90 3.86 1 0.03 80.93 3.861538 3 0.09 81.02 3.866667 1 0.03 81.05 3.871428 7 0.22 81.30 3.871428 7 0.22 81.33 3.881818 1 0.03 81.55 3.883333 2 0.06 81.61 3.884615 1 0.03 81.64				
3.833333 4 0.12 79.56 3.835714 1 0.03 79.59 3.838462 3 0.09 79.68 3.84 1 0.03 79.71 3.841667 1 0.03 79.74 3.85 37 1.15 80.90 3.861538 3 0.09 81.02 3.866667 1 0.03 81.05 3.871428 7 0.22 81.30 3.871428 7 0.22 81.30 3.881818 1 0.03 81.55 3.883333 2 0.06 81.61 3.884615 1 0.03 81.64				
3.833333 4 0.12 79.56 3.835714 1 0.03 79.59 3.838462 3 0.09 79.68 3.84 1 0.03 79.71 3.841667 1 0.03 79.74 3.85 37 1.15 80.90 3.861538 3 0.09 81.02 3.866667 1 0.03 81.05 3.871428 7 0.22 81.30 3.871428 7 0.22 81.30 3.881818 1 0.03 81.55 3.883333 2 0.06 81.61 3.884615 1 0.03 81.64	3.828571	12	0.37	79.43
3.835714 1 0.03 79.59 3.838462 3 0.09 79.68 3.84 1 0.03 79.71 3.841667 1 0.03 79.74 3.85 37 1.15 80.90 3.861538 3 0.09 81.02 3.866667 1 0.03 81.05 3.86875 1 0.03 81.08 3.871428 7 0.22 81.30 3.8875 1 0.03 81.33 3.881818 1 0.03 81.55 3.883333 2 0.06 81.61 3.884615 1 0.03 81.64				79 56
3.838462 3 0.09 79.68 3.84 1 0.03 79.71 3.841667 1 0.03 79.74 3.85 37 1.15 80.90 3.861538 3 0.09 81.02 3.866667 1 0.03 81.05 3.86875 1 0.03 81.08 3.871428 7 0.22 81.30 3.875 1 0.03 81.33 3.881818 1 0.03 81.55 3.883333 2 0.06 81.61 3.884615 1 0.03 81.64				
3.84 1 0.03 79.71 3.841667 1 0.03 79.74 3.85 37 1.15 80.90 3.861538 3 0.09 81.02 3.866667 1 0.03 81.05 3.86875 1 0.03 81.08 3.871428 7 0.22 81.30 3.875 1 0.03 81.33 3.881818 1 0.03 81.55 3.883333 2 0.06 81.61 3.884615 1 0.03 81.64	3.835714	1	0.03	79.59
3.84 1 0.03 79.71 3.841667 1 0.03 79.74 3.85 37 1.15 80.90 3.861538 3 0.09 81.02 3.866667 1 0.03 81.05 3.86875 1 0.03 81.08 3.871428 7 0.22 81.30 3.875 1 0.03 81.33 3.881818 1 0.03 81.55 3.883333 2 0.06 81.61 3.884615 1 0.03 81.64	3 838462	3	0 09	79 68
3.841667 1 0.03 79.74 3.85 37 1.15 80.90 3.861538 3 0.09 81.02 3.866667 1 0.03 81.05 3.86875 1 0.03 81.08 3.871428 7 0.22 81.30 3.875 1 0.03 81.33 3.881818 1 0.03 81.55 3.883333 2 0.06 81.61 3.884615 1 0.03 81.64				
3.85 37 1.15 80.90 3.86 1 0.03 80.93 3.861538 3 0.09 81.02 3.866667 1 0.03 81.05 3.871428 7 0.22 81.30 3.875 1 0.03 81.33 3.88 6 0.19 81.52 3.881818 1 0.03 81.55 3.883333 2 0.06 81.61 3.884615 1 0.03 81.64	3.84	1	0.03	79.71
3.85 37 1.15 80.90 3.86 1 0.03 80.93 3.861538 3 0.09 81.02 3.866667 1 0.03 81.05 3.871428 7 0.22 81.30 3.875 1 0.03 81.33 3.88 6 0.19 81.52 3.881818 1 0.03 81.55 3.883333 2 0.06 81.61 3.884615 1 0.03 81.64		1		
3.86 1 0.03 80.93 3.861538 3 0.09 81.02 3.866667 1 0.03 81.05 3.86875 1 0.03 81.08 3.871428 7 0.22 81.30 3.875 1 0.03 81.33 3.881818 1 0.03 81.55 3.883333 2 0.06 81.61 3.884615 1 0.03 81.64				
3.861538 3 0.09 81.02 3.866667 1 0.03 81.05 3.86875 1 0.03 81.08 3.871428 7 0.22 81.30 3.875 1 0.03 81.33 3.881818 1 0.03 81.55 3.883333 2 0.06 81.61 3.884615 1 0.03 81.64	3.85	37	1.15	80.90
3.861538 3 0.09 81.02 3.866667 1 0.03 81.05 3.86875 1 0.03 81.08 3.871428 7 0.22 81.30 3.875 1 0.03 81.33 3.881818 1 0.03 81.55 3.883333 2 0.06 81.61 3.884615 1 0.03 81.64	3.86	1	በ በዓ	80 93
3.866667 1 0.03 81.05 3.86875 1 0.03 81.08 3.871428 7 0.22 81.30 3.875 1 0.03 81.33 3.881818 1 0.03 81.55 3.883333 2 0.06 81.61 3.884615 1 0.03 81.64				
3.86875 1 0.03 81.08 3.871428 7 0.22 81.30 3.875 1 0.03 81.33 3.88 6 0.19 81.52 3.881818 1 0.03 81.55 3.883333 2 0.06 81.61 3.884615 1 0.03 81.64	3.861538] 3	0.09	81.02
3.86875 1 0.03 81.08 3.871428 7 0.22 81.30 3.875 1 0.03 81.33 3.88 6 0.19 81.52 3.881818 1 0.03 81.55 3.883333 2 0.06 81.61 3.884615 1 0.03 81.64				
3.871428 7 0.22 81.30 3.875 1 0.03 81.33 3.881818 6 0.19 81.52 3.883333 2 0.06 81.61 3.884615 1 0.03 81.64				
3.875 1 0.03 81.33 3.88 6 0.19 81.52 3.881818 1 0.03 81.55 3.883333 2 0.06 81.61 3.884615 1 0.03 81.64	3.86875	1	0.03	81.08
3.875 1 0.03 81.33 3.88 6 0.19 81.52 3.881818 1 0.03 81.55 3.883333 2 0.06 81.61 3.884615 1 0.03 81.64		7		
3.88 6 0.19 81.52 3.881818 1 0.03 81.55 3.883333 2 0.06 81.61 3.884615 1 0.03 81.64				
3.881818 1 0.03 81.55 3.883333 2 0.06 81.61 3.884615 1 0.03 81.64	3.875	1	0.03	
3.881818 1 0.03 81.55 3.883333 2 0.06 81.61 3.884615 1 0.03 81.64	3.88	6	0.19	81.52
3.883333 2 0.06 81.61 3.884615 1 0.03 81.64				
3.884615 1 0.03 81.64	3.88T8T8	1	0.03	
3.884615 1 0.03 81.64	3.883333	2	0.06	81.61
3.890909 4 0.12 81.77	3.004615	1		
	3.890909	4	0.12	81.77
		_		

3.891667	1	0.03	81.80
3.892857	1	0.03	81.83
3.893333	1	0.03	81.86
3.9	14	0.44	82.30
3.907692	6	0.19	82.48
3.91	2	0.06	82.55
3.914286	6	0.19	82.73
3.918182	3	0.09	82.83
3.92	5	0.16	82.98
3.925	14	0.44	83.42
3.929412	1	0.03	83.45
3.930769	10	0.31	83.76
3.935714	5	0.16	83.91
3.94	2	0.06	83.98
3.941667	1	0.03	84.01
3.94375	1	0.03	84.04
3.945455	1	0.03	84.07
3.947059	1	0.03	84.10
3.95	2	0.06	84.16
3.952631	1	0.03	84.19
3.966667	1	0.03	84.23
3.972727	1	0.03	84.26
3.975	2	0.06	84.32
3.976923	1	0.03	84.35
4	503	15.65	100.00
4	303	15.05	100.00
Total	3,214	100.00	

111 . hist semgpa
 (bin=35, start=0, width=.11428571)

112

113 . cap drop semgpaX

- 114 . recode semgpa (0/2.99375=0) (3/4=1), gen (semgpaX) (2596 differences between semgpa and semgpaX)
- 115 . hist semgpaX
 (bin=35, start=0, width=.02857143)
- 116 . tab semgpaX

Cum.	Percent	Freq.	RECODE of semgpa (SemGPA)
47.48 100.00	47.48 52.52	1,526 1,688	0 1
	100.00	3,214	Total

117 . end of do-file

118 . do "C:\Users\JACOB-~1\AppData\Local\Temp\STD03000000.tmp"

```
Qiu Educ 799 Final Paper Log File Friday December 6 19:41:06 2019 Page 21
119 . global outcome1 "winterenl new"
120 . global outcome2 "summen1 new"
121 . global outcome "deg"
122 .
123 . *Global Covariates
124 . global cov1 "pass math pass read pass write"
125 . global cov11 "engcollpass mathcollpass"
126 . global cov12 "engmathcollpass"
127 .
128 . global cov2 "semcrattX"
129 .
130 . global cov3 "fyrcollcreditX"
131 . global cov31 "semcrattX fyrcollcreditX" //Multicollinearity?
132 . global cov32 "semcrattX fyrcollcreditX engcollpass mathcollpass"
133 . global cov33 "semcrattX fyrcollcreditX engmathcollpass"
134 .
135 .
136 . global control "female asian black hispanic other unknown ageX pell ftiac semgpa"
137 . global control1 "female asian black hispanic other unknown ageX pell ftiac semgpaX"
138 .
   end of do-file
139 . do "C:\Users\JACOB-~1\AppData\Local\Temp\STD03000000.tmp"
140 . logit $outcome1 $cov1 $control, robust
    Iteration 0: log pseudolikelihood = -1785.605
    Iteration 1: log pseudolikelihood = -1488.0094
    Iteration 2: log pseudolikelihood = -1472.0702
    Iteration 3: log pseudolikelihood = -1471.9919
Iteration 4: log pseudolikelihood = -1471.9919
                                                      Number of obs = Wald chi2(13) = Prob > chi2 =
   Logistic regression
                                                                                3,214
                                                                               491.39
                                                                               0.0000
    Log pseudolikelihood = -1471.9919
                                                      Pseudo R2
                                                                                0.1756
```

winterenl_new	Coef.	Robust Std. Err.	Z	P> z	[95% Conf.	Interval]
pass math	0745061	.08349	-0.89	0.372	2381434	.0891313
pass read	1180144	.0980724	-1.20	0.229	3102327	.0742039
pass write	.3001381	.0918056	3.27	0.001	.1202024	.4800738
female	.0010387	.0928675	0.01	0.991	1809783	.1830556
asian	0831243	.3424755	-0.24	0.808	7543639	.5881154
black	.0172872	.1226664	0.14	0.888	2231346	.257709
hispanic	3961943	.2163484	-1.83	0.067	8202294	.0278408
other	.0511203	.224444	0.23	0.820	3887819	.4910224
unknown	0288511	.2523648	-0.11	0.909	523477	.4657748
ageX	6714913	.0713579	-9.41	0.000	8113502	5316323
pell	.7324754	.1058261	6.92	0.000	.5250601	.9398906
ftiac	.1549323	.1106505	1.40	0.161	0619386	.3718032
semgpa	. 6388848	.0337545	18.93	0.000	.5727272	.7050423

cons .456344 .317008 1.44 0.150 -.1649802 1.077668

141 . end of do-file

142 . do "C:\Users\JACOB-~1\AppData\Local\Temp\STD03000000.tmp"

143 . keep if winterpersist==1
 (204 observations deleted)

144 . end of do-file

145 . do "C:\Users\JACOB-~1\AppData\Local\Temp\STD03000000.tmp"

146 . logit \$outcome2 \$cov1 \$control, robust

Iteration 0: log pseudolikelihood = -1738.7628
Iteration 1: log pseudolikelihood = -1643.7581
Iteration 2: log pseudolikelihood = -1641.0633
Iteration 3: log pseudolikelihood = -1641.0602
Iteration 4: log pseudolikelihood = -1641.0602

summenl_new	Coef.	Robust Std. Err.	Z	P> z	[95% Conf.	Interval]
pass_math	043913	.0845187	-0.52	0.603	2095666	.1217405
pass_read	040121	.1032079	-0.39	0.697	2424047	.1621626
pass_write	.0959551	.0979205	0.98	0.327	0959655	.2878758
female	1355656	.08656	-1.57	0.117	3052201	.0340889
asian	.2254221	.2482985	0.91	0.364	2612341	.7120783
black	.1870631	.1235026	1.51	0.130	0549976	.4291238
hispanic	074524	.2371313	-0.31	0.753	5392927	.3902448
other	.5496812	.1898428	2.90	0.004	.1775961	.9217663
unknown	.2320701	.2302746	1.01	0.314	2192599	.6834001
ageX	.0552998	.0633068	0.87	0.382	0687793	.1793789
pell	.3665033	.0916138	4.00	0.000	.1869436	.546063
ftiac	.074741	.1038532	0.72	0.472	1288075	.2782894
semgpa	.4292521	.0388593	11.05	0.000	.3530893	.5054149
_cons	-2.386202	.3182248	-7.50	0.000	-3.009911	-1.762492

147 . end of do-file

148 . do "C:\Users\JACOB-~1\AppData\Local\Temp\STD03000000.tmp"

149 . mlogit \$outcome \$cov2 \$control, baseoutcome(1)

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Multinomial logistic regression

Number of obs = 3,010 LR chi2(33) = 893.83 Prob > chi2 = 0.0000 Pseudo R2 = 0.1423

Log likelihood = -2693.9818

Female asian 9035153 1308827 -6.90 0.000 -1.160041 6469896 asian .2797235 .3353336 0.83 0.404 3775222 .9369692 .9366994 .9366994 .936693 .9369692 .9366994 .936693 .9369692 .9366934 .9369692	_		Γ					
Semcrattx		deg	Coef.	Std. Err.	Z	P> z	[95% Conf.	Interval]
Semcrattx	1		(base outc	ome)				
Female asian	2							
asian black		semcrattX	1					0092717
black hispanic			1					
hispanic other -2062998 .3301315			1					
other unknown 2062898 .3194953 -0.65 0.518 832489 .4199094 unknown 0597962 .337663 -0.18 0.8599 7216034 .602011 ageX .032817 .0917552 0.36 0.721 14702 .2126539 pell 0200835 .1359902 -0.15 0.883 2866194 .2464523 ftiac .2109598 .1464335 1.44 0.150 0760447 .4979662 semgpa .624394 .0576785 10.83 0.000 -5113461 .7374418 _cons -1.893031 .4150123 -4.56 0.000 -2.70644 -1.079622 semcrattX .4907308 .1019203 4.81 0.000 .2909708 .6904909 female 2590983 .1310786 -1.98 0.048 5160076 -002189 black 7005057 .2274417 -3.08 0.002 -1.146283 -2547281 hispanic 0.09563 .3978543 -1.03 <td></td> <td></td> <td>l .</td> <td></td> <td></td> <td></td> <td></td> <td></td>			l .					
unknown ageX 0597962 .337663 -0.18 0.859 7216034 .6020111 ageX .032817 .0917552 0.36 0.721 14702 .2126539 pell 0200835 .1359902 -0.15 0.883 2866194 .2464523 ftiac .2109598 .1464335 1.44 0.150 0760447 .4979642 semgpa .624394 .0576785 10.83 0.000 .5113461 .7374418 _cons -1.893031 .4150123 -4.56 0.000 .2909708 .6904909 female -2590983 .1310786 -1.98 0.048 -5160076 -002189 asian -3594359 .4943274 -0.73 0.467 -1.3283 .6094209 black -7005057 .2274417 -3.08 0.002 -1.146283 -2547281 hispanic -40926467 .289622 0.32 0.749 -475002 .6602953 unknown .1773713 .3265814 0.54 <		-	l .					
ageX pell								
pell fitac 0200835 .1359902 -0.15 0.883 2866194 .2464523 ftiac fitac .2109598 .1464335 1.44 0.150 0760447 .4979642 semgpa cons .624394 .0576785 10.83 0.000 .5113461 .7374418 cons -1.893031 .4150123 -4.56 0.000 -2.70644 -1.079622 3 semcrattX .4907308 .1019203 4.81 0.000 .2909708 .6904909 female 2590983 .1310786 -1.98 0.048 5160076 002188 asian 3594359 .4943274 -0.73 0.467 -1.3283 .6094281 hispanic 4095063 .3978543 -1.03 0.303 -1.189286 .3702737 other .0926467 .289622 0.32 0.749 475002 .6602953 unknown .1773713 .3265814 0.54 0.587 4627165		unknown						
ftiac semgpa		_						
semgpa _cons .624394			l .					
cons		ftiac					0760447	
SemcrattX		semgpa	l .					
Semcrattx		_cons	-1.893031	.4150123	-4.56	0.000	-2.70644	-1.079622
female asian2590983 .1310786 -1.98 0.0485160076002189 asian black3594359 .4943274 -0.73 0.467 -1.3283 .6094281 black7005057 .2274417 -3.08 0.002 -1.1462832547281 hispanic4095063 .3978543 -1.03 0.303 -1.189286 .3702737 other .0926467 .289622 0.32 0.749475002 .6602953 unknown .1773713 .3265814 0.54 0.5874627165 .817459 ageX2476818 .1049657 -2.36 0.01845341080419527 pell001579 .140473 -0.01 0.9912769011 .2737431 ftiac0608968 .1633062 -0.37 0.709380971 .2591774 semgpa .7337726 .0707325 10.37 0.000 .5951394 .8724058 _cons -3.956296 .4715538 -8.39 0.000 -4.880525 -3.032068	3							
Asian black		semcrattX	.4907308	.1019203	4.81	0.000	.2909708	.6904909
black hispanic7005057 .2274417 -3.08 0.002 -1.1462832547281 hispanic4095063 .3978543 -1.03 0.303 -1.189286 .3702737 other .0926467 .289622 0.32 0.749475002 .6602953 unknown .1773713 .3265814 0.54 0.5874627165 .817459 ageX2476818 .1049657 -2.36 0.01845341080419527 pell001579 .140473 -0.01 0.9912769011 .2737431 ftiac0608968 .1633062 -0.37 0.709380971 .2591774 semgpa .7337726 .0707325 10.37 0.000 .5951394 .8724058 _cons -3.956296 .4715538 -8.39 0.000 -4.880525 -3.032068		female	2590983	.1310786	-1.98	0.048	5160076	002189
hispanic other		asian	3594359	.4943274	-0.73	0.467	-1.3283	.6094281
other unknown .0926467 .289622 0.32 0.749 475002 .6602953 unknown .1773713 .3265814 0.54 0.587 4627165 .817459 ageX 2476818 .1049657 -2.36 0.018 4534108 0419527 pell 001579 .140473 -0.01 0.991 2769011 .2737431 ftiac 0608968 .1633062 -0.37 0.709 380971 .2591774 semgpa .7337726 .0707325 10.37 0.000 .5951394 .8724058 _cons -3.956296 .4715538 -8.39 0.000 .4360851 .8012359 female 3916418 .1209255 -3.24 0.001 6286514 1546321 asian .885112 .3246534 2.73 0.006 .248803 1.521421 black 6397625 .2223672 -2.88 0.004 -1.075594 2039308 hispanic .0978807 .304168 0.32		black	7005057	.2274417	-3.08	0.002	-1.146283	2547281
other unknown .0926467 .289622 0.32 0.749 475002 .6602953 unknown .1773713 .3265814 0.54 0.587 4627165 .817459 ageX 2476818 .1049657 -2.36 0.018 4534108 0419527 pell 001579 .140473 -0.01 0.991 2769011 .2737431 ftiac 0608968 .1633062 -0.37 0.709 380971 .2591774 semgpa .7337726 .0707325 10.37 0.000 .5951394 .8724058 _cons -3.956296 .4715538 -8.39 0.000 .4360851 .8012359 female 3916418 .1209255 -3.24 0.001 6286514 1546321 asian .885112 .3246534 2.73 0.006 .248803 1.521421 black 6397625 .2223672 -2.88 0.004 -1.075594 2039308 hispanic .0978807 .304168 0.32		hispanic	4095063	.3978543	-1.03	0.303	-1.189286	.3702737
ageX pell		other	.0926467	.289622	0.32	0.749	475002	.6602953
pell 001579 .140473 -0.01 0.991 2769011 .2737431 ftiac 0608968 .1633062 -0.37 0.709 380971 .2591774 semgpa .7337726 .0707325 10.37 0.000 .5951394 .8724058 _cons -3.956296 .4715538 -8.39 0.000 -4.880525 -3.032068 4 semcrattX .6186605 .0931525 6.64 0.000 .4360851 .8012359 female 3916418 .1209255 -3.24 0.001 6286514 1546321 asian .885112 .3246534 2.73 0.006 .248803 1.521421 black 6397625 .2223672 -2.88 0.004 -1.075594 2039308 hispanic .0978807 .304168 0.32 0.748 4982776 .694039 other 0333134 .2922009 -0.11 0.909 6060167 .5393899 unknown .1340424		unknown	.1773713	.3265814	0.54	0.587	4627165	.817459
ftiac semgpa		ageX	2476818	.1049657	-2.36	0.018	4534108	0419527
semgpa _ cons .7337726 .0707325 10.37 0.000 .5951394 .8724058 _cons -3.956296 .4715538 -8.39 0.000 -4.880525 -3.032068 4 semcrattX .6186605 .0931525 6.64 0.000 .4360851 .8012359 female 3916418 .1209255 -3.24 0.001 6286514 1546321 asian .885112 .3246534 2.73 0.006 .248803 1.521421 black 6397625 .2223672 -2.88 0.004 -1.075594 2039308 hispanic .0978807 .304168 0.32 0.748 4982776 .694039 other 0333134 .2922009 -0.11 0.909 6060167 .5393899 unknown .1340424 .3125522 0.43 0.668 4785487 .7466335 ageX 780033 .1103391 -7.07 0.000 7677634 2417022 ftiac 5211683 .1603499 -3.25 0.001 8354484 2068882		pell	001579	.140473	-0.01	0.991	2769011	.2737431
cons		ftiac	0608968	.1633062	-0.37	0.709	380971	.2591774
cons		semqpa	.7337726	.0707325	10.37	0.000	.5951394	.8724058
semcrattX .6186605 .0931525 6.64 0.000 .4360851 .8012359 female 3916418 .1209255 -3.24 0.001 6286514 1546321 asian .885112 .3246534 2.73 0.006 .248803 1.521421 black 6397625 .2223672 -2.88 0.004 -1.075594 2039308 hispanic .0978807 .304168 0.32 0.748 4982776 .694039 other 0333134 .2922009 -0.11 0.909 6060167 .5393899 unknown .1340424 .3125522 0.43 0.668 4785487 .7466335 ageX 780033 .1103391 -7.07 0.000 9962937 5637723 pell 5047328 .1342018 -3.76 0.000 7677634 2417022 ftiac 5211683 .1603499 -3.25 0.001 8354484 2068882 semgpa 1.008466 .0783015 12.88 <td></td> <td></td> <td>-3.956296</td> <td>.4715538</td> <td>-8.39</td> <td>0.000</td> <td>-4.880525</td> <td>-3.032068</td>			-3.956296	.4715538	-8.39	0.000	-4.880525	-3.032068
female 3916418 .1209255 -3.24 0.001 6286514 1546321 asian .885112 .3246534 2.73 0.006 .248803 1.521421 black 6397625 .2223672 -2.88 0.004 -1.075594 2039308 hispanic .0978807 .304168 0.32 0.748 4982776 .694039 other 0333134 .2922009 -0.11 0.909 6060167 .5393899 unknown .1340424 .3125522 0.43 0.668 4785487 .7466335 ageX 780033 .1103391 -7.07 0.000 9962937 5637723 pell 5047328 .1342018 -3.76 0.000 7677634 2417022 ftiac 5211683 .1603499 -3.25 0.001 8354484 2068882 semgpa 1.008466 .0783015 12.88 0.000 .8549978 1.161934	4							
asian .885112 .3246534 2.73 0.006 .248803 1.521421 black 6397625 .2223672 -2.88 0.004 -1.075594 2039308 hispanic .0978807 .304168 0.32 0.748 4982776 .694039 other 0333134 .2922009 -0.11 0.909 6060167 .5393899 unknown .1340424 .3125522 0.43 0.668 4785487 .7466335 ageX 780033 .1103391 -7.07 0.000 9962937 5637723 pell 5047328 .1342018 -3.76 0.000 7677634 2417022 ftiac 5211683 .1603499 -3.25 0.001 8354484 2068882 semgpa 1.008466 .0783015 12.88 0.000 .8549978 1.161934		semcrattX	.6186605	.0931525	6.64	0.000	.4360851	.8012359
black hispanic		female	3916418	.1209255	-3.24	0.001	6286514	1546321
hispanic other .0978807 .304168 0.32 0.748 4982776 .694039 unknown unknown .1340424 .3125522 0.43 0.668 4785487 .7466335 ageX pell 780033 .1103391 -7.07 0.000 9962937 5637723 pell 5047328 .1342018 -3.76 0.000 7677634 2417022 ftiac 5211683 .1603499 -3.25 0.001 8354484 2068882 semgpa 1.008466 .0783015 12.88 0.000 .8549978 1.161934		asian	.885112	.3246534	2.73	0.006	.248803	1.521421
other unknown ageX 0333134 .2922009 -0.11 0.909 6060167 .5393899 pell ftiac semgpa 780033 .1103391 -7.07 0.000 9962937 5637723 pell ftiac semgpa 5211683 .1603499 -3.25 0.001 8354484 2068882 semgpa 1.008466 .0783015 12.88 0.000 .8549978 1.161934		black	6397625	.2223672	-2.88	0.004	-1.075594	2039308
unknown .1340424 .3125522 0.43 0.668 4785487 .7466335 ageX 780033 .1103391 -7.07 0.000 9962937 5637723 pell 5047328 .1342018 -3.76 0.000 7677634 2417022 ftiac 5211683 .1603499 -3.25 0.001 8354484 2068882 semgpa 1.008466 .0783015 12.88 0.000 .8549978 1.161934		hispanic	.0978807	.304168	0.32	0.748	4982776	.694039
ageX 780033 .1103391 -7.07 0.000 9962937 5637723 pell 5047328 .1342018 -3.76 0.000 7677634 2417022 ftiac 5211683 .1603499 -3.25 0.001 8354484 2068882 semgpa 1.008466 .0783015 12.88 0.000 .8549978 1.161934		other	0333134	.2922009	-0.11	0.909	6060167	.5393899
pell 5047328 .1342018 -3.76 0.000 7677634 2417022 ftiac 5211683 .1603499 -3.25 0.001 8354484 2068882 semgpa 1.008466 .0783015 12.88 0.000 .8549978 1.161934		unknown	.1340424	.3125522	0.43	0.668	4785487	.7466335
ftiac5211683 .1603499 -3.25 0.00183544842068882 semgpa 1.008466 .0783015 12.88 0.000 .8549978 1.161934		ageX	780033	.1103391	-7.07	0.000	9962937	5637723
semgpa 1.008466 .0783015 12.88 0.000 .8549978 1.161934		pell	5047328	.1342018	-3.76	0.000	7677634	2417022
semgpa 1.008466 .0783015 12.88 0.000 .8549978 1.161934			5211683	.1603499	-3.25	0.001	8354484	2068882
			1.008466	.0783015	12.88	0.000	.8549978	1.161934
		cons	-3.349726	.4722429	-7.09	0.000	-4.275305	-2.424147

151 . do "C:\Users\JACOB-~1\AppData\Local\Temp\STD03000000.tmp"

152 . mlogit \$outcome \$cov3 \$control, baseoutcome(1)

Multinomial logistic regression

Number of obs = 3,010 LR chi2(33) = 979.72 Prob > chi2 = 0.0000 Pseudo R2 = 0.1560

Log likelihood = -2651.0335

deg	Coef.	Std. Err.	Z	P> z	[95% Conf.	Interval]
1	(base outco	ome)				
2						
fyrcollcreditX	.145177	.0811869	1.79	0.074	0139464	.3043004
female	9411216	.1308097	-7.19	0.000	-1.197504	6847393
asian	.3195894	.3321966	0.96	0.336	3315039	.9706828
black	.0193992	.1747924	0.11	0.912	3231875	.361986
hispanic	.1298381	.3317046	0.39	0.695	520291	.7799671
other	2197802	.3199639	-0.69	0.492	8468979	.4073375
unknown	0356199	.3373663	-0.11	0.916	6968457	.6256058
ageX	.1158642	.0897129	1.29	0.197	0599699	.2916983
pell	1521805	.1351614	-1.13	0.260	417092	.1127309
ftiac	.2241406	.1456125	1.54	0.124	0612546	.5095358
semgpa	.6129305	.0589382	10.40	0.000	.4974138	.7284472
_cons	-2.583283	.3752328	-6.88	0.000	-3.318726	-1.84784
3						
fyrcollcreditX	.7122031	.0859739	8.28	0.000	.5436973	.8807088
female	3023555	.1326024	-2.28	0.023	5622515	0424594
asian	3526476	.4944045	-0.71	0.476	-1.321663	.6163673
black	7625889	.2291726	-3.33	0.001	-1.211759	313419
hispanic	3999393	.4037302	-0.99	0.322	-1.191236	.3913573
other	0185794	.2947041	-0.06	0.950	5961887	. 55903
unknown	.0963839	.3299554	0.29	0.770	5503168	.7430847
ageX	2123422	.1050683	-2.02	0.043	4182722	0064121
pell	1093107	.1427864	-0.77	0.444	3891668	.1705455
ftiac	0538905	.165031	-0.33	0.744	3773453	.2695642
semgpa	.6493991	.0723976	8.97	0.000	.5075023	.7912959
_cons	-4.001641	.4321748	-9.26	0.000	-4.848688	-3.154594
4						
fyrcollcreditX	.8541958	.0798687	10.69	0.000	.6976559	1.010736
female	4575942	.1235755	-3.70	0.000	6997976	2153907
asian	.9087923	.3285021	2.77	0.006	.26494	1.552645
black	7017909	.2250021	-3.12	0.002	-1.142787	2607949
hispanic	.0669369	.3158242	0.21	0.832	5520671	.6859409
other	1771255	.2992862	-0.59	0.554	7637156	.4094647
unknown	.0266483	.3178185	0.08	0.933	5962646	.6495611
ageX	7427951	.1109524	-6.69	0.000	9602578	5253324
pell	6118548	.1372132	-4.46	0.000	8807879	3429218
ftiac	5273031	.1629067	-3.24	0.001	8465943	2080119
semgpa	.9203526	.0800345	11.50	0.000	.7634879	1.077217
cons	-3.368314	.438273	-7.69	0.000	-4.227314	-2.509315

153 . end of do-file

154 . tab winterenl_new

winterEnl_n ew	Freq.	Percent	Cum.
0 1	784 2,226	26.05 73.95	26.05 100.00
Total	3,010	100.00	

155 . tab summenl_new

summEnl_new	Freq.	Percent	Cum.
0 1	2,214 796	73.55 26.45	73.55 100.00
Total	3,010	100.00	

156 . tab pass math

Cum.	Percent	Freq.	pass_math
4.78	4.78	144	0
17.71	12.92	389	1
100.00	82.29	2,477	2
	100.00	3,010	Total

- 157 . do "C:\Users\JACOB-~1\AppData\Local\Temp\STD03000000.tmp"
- 158 . recode pass_math (0=0) (1 2=1) (pass_math: 2477 changes made)
- 159 . end of do-file
- 160 . tab pass_math

pass_math	Freq.	Percent	Cum.
0	144 2,866	4.78 95.22	4.78 100.00
Total	3,010	100.00	

- 161 . do "C:\Users\JACOB-~1\AppData\Local\Temp\STD03000000.tmp"
- 162 . tab pass_read

pass_read	Freq.	Percent	Cum.
0	164	5.45	5.45
1	413	13.72	19.17
2	2,433	80.83	100.00
Total	3,010	100.00	

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163 . end of do-file

164 . do "C:\Users\JACOB-~1\AppData\Local\Temp\STD03000000.tmp"

recode pass_read (0=0) (1 2=1) (pass_read: 2433 changes made)

166 .

end of do-file

167 . do "C:\Users\JACOB-~1\AppData\Local\Temp\STD03000000.tmp"

168 . recode pass_write (0=0) (1 2=1) (pass_write: 2338 changes made)

169 .

end of do-file

170 . tab engcollpass

Cum.	Percent	Freq.	EngCollPass
10.60	10.60	319	0
47.14	36.54	1,100	1
100.00	52.86	1,591	2
	100.00	3,010	Total

171 . do "C:\Users\JACOB-~1\AppData\Local\Temp\STD03000000.tmp"

172 . tab mathcollpass

MathCollPas			
S	Freq.	Percent	Cum.
0	183	6.08	6.08
1	645	21.43	27.51
2	2,182	72.49	100.00
Total	3,010	100.00	

173 . end of do-file

174 . do "C:\Users\JACOB-~1\AppData\Local\Temp\STD03000000.tmp"

175 . recode mathcollpass (0=0) (1 2=1) (mathcollpass: 2182 changes made)

176 . end of do-file

177 . do "C:\Users\JACOB-~1\AppData\Local\Temp\STD03000000.tmp"

178 . tab engcollpass

EngCollPass	Freq.	Percent	Cum.
0	319	10.60	10.60
1	1,100	36.54	47.14
2	1,591	52.86	100.00
Total	3,010	100.00	

179 . end of do-file

180 . do "C:\Users\JACOB-~1\AppData\Local\Temp\STD03000000.tmp"

181 . tab engcollpass

Cum.	Percent	Freq.	EngCollPass
10.60	10.60	319	0
47.14	36.54	1,100	1
100.00	52.86	1,591	2
	100.00	3,010	Total

182 . end of do-file

183 . do "C:\Users\JACOB-~1\AppData\Local\Temp\STD03000000.tmp"

184 . recode engcollpass (0=0) (1 2=1) (engcollpass: 1591 changes made)

185 . end of do-file

186 . do "C:\Users\JACOB-~1\AppData\Local\Temp\STD03000000.tmp"

187 . tab engcollpass

EngCollPass	Freq.	Percent	Cum.
0 1	319 2,691	10.60 89.40	10.60 100.00
Total	3,010	100.00	

188 . end of do-file

189 . do "C:\Users\JACOB-~1\AppData\Local\Temp\STD03000000.tmp"

190 . global outcome1 "winterenl_new"

191 . global outcome2 "summenl_new"

```
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192 . global outcome "deg"
193 .
194 . *Global Covariates
195 . global cov1 "pass math pass read pass write"
196 . global cov11 "engcollpass mathcollpass"
197 . global cov12 "engmathcollpass"
198 .
199 . global cov2 "semcrattX"
200 .
201 . global cov3 "fyrcollcreditX"
202 . global cov31 "semcrattX fyrcollcreditX" //Multicollinearity?
203 . global cov32 "semcrattX fyrcollcreditX engcollpass mathcollpass"
204 . global cov33 "semcrattX fyrcollcreditX engmathcollpass"
205 .
206 .
207 . global control "female asian black hispanic other unknown ageX pell ftiac semgpa"
208 . global control1 "female asian black hispanic other unknown ageX pell ftiac semgpaX"
209 .
   end of do-file
210 . do "C:\Users\JACOB-~1\AppData\Local\Temp\STD03000000.tmp"
211 . logit $outcome1 $cov1 $control, robust
                 log pseudolikelihood = -1726.364
    Iteration 0:
                  log pseudolikelihood = -1373.3812
    Iteration 1:
    Iteration 2:
                   log pseudolikelihood = -1354.2556
    Iteration 3:
                  log pseudolikelihood = -1354.1817
    Iteration 4: log pseudolikelihood = -1354.1817
                                                    Number of obs = Wald chi2(13) = Prob > chi2 =
    Logistic regression
                                                                             3,010
                                                                             538.78
                                                    Prob > chi2
                                                                             0.0000
    Log pseudolikelihood = -1354.1817
                                                    Pseudo R2
                                                                             0.2156
```

winterenl_new	Coef.	Robust Std. Err.	Z	P> z	[95% Conf.	Interval]
pass math	.2148664	.1973564	1.09	0.276	171945	.6016778
pass read	.5615728	.2086077	2.69	0.007	.1527092	.9704364
pass write	1.190347	.1921712	6.19	0.000	.8136982	1.566996
female	.0801959	.0969418	0.83	0.408	1098065	.2701983
asian	2215346	.3465136	-0.64	0.523	9006887	.4576195
black	.0795698	.1290768	0.62	0.538	1734162	.3325557
hispanic	4442824	.2274148	-1.95	0.051	8900073	.0014424
other	.1451782	.2324359	0.62	0.532	3103877	.6007441
unknown	0383833	.2572204	-0.15	0.881	542526	.4657595
ageX	7047827	.073647	-9.57	0.000	8491282	5604372
pell	.9411883	.1118043	8.42	0.000	.7220558	1.160321
ftiac	.4617117	.1131325	4.08	0.000	.239976	.6834473
semgpa	.624281	.0367881	16.97	0.000	.5521777	.6963843
_cons	-1.597359	.3702509	-4.31	0.000	-2.323037	8716805

```
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212 .
   end of do-file
213 . do "C:\Users\JACOB-~1\AppData\Local\Temp\STD03000000.tmp"
214 . logit $outcome2 $cov1 $control, robust
   Iteration 0: log pseudolikelihood = -1738.7628
   Iteration 1: log pseudolikelihood = -1637.9586
   Iteration 2: log pseudolikelihood = -1633.8147
   Iteration 3: log pseudolikelihood = -1633.7853
   Iteration 4: log pseudolikelihood = -1633.7853
                                                                       3,010
                                                Number of obs
   Logistic regression
                                                                      160.38
                                                Wald chi2(13) =
                                                Prob > chi2
                                                                 =
                                                                       0.0000
   Log pseudolikelihood = -1633.7853
                                                Pseudo R2
                                                                       0.0604
                              Robust.
    summenl new
                    Coef. Std. Err.
                                         z P>|z| [95% Conf. Interval]
                  .4513728 .2731655 1.65 0.098
.5811801 .3243331 1.79 0.073
                                                         -.0840218
                                                                     .9867674
     pass math
                                         1.79 0.073
1.93 0.053
     pass_read
                                                         -.0545011
                                                                    1.216861
                                                       -.03-22
-.0068575
                             .2725017
     pass write
                    .527236
                                                                      1.06133
                                       -1.48 0.138
                                                       -.2978147
                                                                     .0411096
                 -.1283525
                             .0864619
         female
                                         0.78 0.436
                                                                     .6721641
          asian
                   .191124 .2454331
                                                         -.289916
                                                         .0031213
                   .2418237 .1217892
                                         1.99 0.047
          black
                                                                      .480526
                  -.0883131 .2360136 -0.37 0.708
                                                       -.5508913
       hispanic
                                                                     .3742652
                  .5711436
                             .190595
                                                         .1975843
                                       3.00 0.003
                                                                     .9447029
          other
                                         1.01 0.311
0.85 0.396
                   .2316617
                              .228484
                                                         -.2161587
        unknown
                                                                     .6794822
```

```
215 .
    end of do-file
```

ageX

pell

ftiac

_cons

semgpa

216 . do "C:\Users\JACOB-~1\AppData\Local\Temp\STD03000000.tmp"

.3876869 .0904336

.104352 .1022957

.3794223 .0397022

.0631934

4.29 0.000

-3.778205 .4644469 -8.13 0.000 -4.688504 -2.867906

1.02 0.308

9.56 0.000

-.0702422

.2104402

.3016075

-.0961438

.1774712

.5649335

.3048479

.4572371

217 . mlogit \$outcome \$cov2 \$control, baseoutcome(1)

.0536145

```
Iteration 0: log likelihood = -3140.8954
Iteration 1: log likelihood = -2739.0124
Iteration 2: log likelihood = -2695.6766
Iteration 3: log likelihood = -2693.9833
Iteration 4:
              log likelihood = -2693.9818
             log likelihood = -2693.9818
Iteration 5:
```

Multinomial logistic regression	Number of obs	=	3,010
	LR chi2(33)	=	893.83
	Prob > chi2	=	0.0000
Log likelihood = -2693.9818	Pseudo R2	=	0.1423

	deg	Coef.	Std. Err.	Z	P> z	[95% Conf.	<pre>Interval]</pre>
1		(base outco	ome)				
2							
	semcrattX	1985759	.0965856	-2.06	0.040	3878801	0092717
	female	9035153	.1308827	-6.90	0.000	-1.160041	6469899
	asian	.2797235	.3353356	0.83	0.404	3775222	. 9369692
	black	.0114203	.1750624	0.07	0.948	3316956	.3545363
	hispanic	.146389	.3301315	0.44	0.657	500657	.7934349
	other	2062898	.3194953	-0.65	0.518	832489	.4199094
	unknown	0597962	.337663	-0.18	0.859	7216034	.6020111
	ageX	.032817	.0917552	0.36	0.721	14702	.2126539
	pell	0200835	.1359902	-0.15	0.883	2866194	.2464523
	ftiac	.2109598	.1464335	1.44	0.150	0760447	.4979642
	semgpa	.624394	.0576785	10.83	0.000	.5113461	.7374418
	_cons	-1.893031	.4150123	-4.56	0.000	-2.70644	-1.079622
3							
	semcrattX	.4907308	.1019203	4.81	0.000	.2909708	.6904909
	female	2590983	.1310786	-1.98	0.048	5160076	002189
	asian	3594359	.4943274	-0.73	0.467	-1.3283	.6094281
	black	7005057	.2274417	-3.08	0.002	-1.146283	2547281
	hispanic	4095063	.3978543	-1.03	0.303	-1.189286	.3702737
	other	.0926467	.289622	0.32	0.749	475002	.6602953
	unknown	.1773713	.3265814	0.54	0.587	4627165	.817459
	ageX	2476818	.1049657	-2.36	0.018	4534108	0419527
	pell	001579	.140473	-0.01	0.991	2769011	.2737431
	ftiac	0608968	.1633062	-0.37	0.709	380971	.2591774
	semgpa	.7337726	.0707325	10.37	0.000	.5951394	.8724058
	_cons	-3.956296	.4715538	-8.39	0.000	-4.880525	-3.032068
4							
	semcrattX	.6186605	.0931525	6.64	0.000	.4360851	.8012359
	female	3916418	.1209255	-3.24	0.001	6286514	1546321
	asian	.885112	.3246534	2.73	0.006	.248803	1.521421
	black	6397625	.2223672	-2.88	0.004	-1.075594	2039308
	hispanic	.0978807	.304168	0.32	0.748	4982776	. 694039
	other	0333134	.2922009	-0.11	0.909	6060167	.5393899
	unknown	.1340424	.3125522	0.43	0.668	4785487	.7466335
	ageX	780033	.1103391	-7.07	0.000	9962937	5637723
	pell	5047328	.1342018	-3.76	0.000	7677634	2417022
	ftiac	5211683	.1603499	-3.25	0.001	8354484	2068882
	semgpa	1.008466	.0783015	12.88	0.000	.8549978	1.161934
	cons	-3.349726	.4722429	-7.09	0.000	-4.275305	-2.424147

218 . end of do-file

219 . tab semcrattX

Cum.	Percent	Freq.	RECODE of semcratt (SemCrAtt)
17.81 69.50 100.00	17.81 51.69 30.50	536 1,556 918	1 2 3
	100.00	3,010	Total

220 . do "C:\Users\JACOB-~1\AppData\Local\Temp\STD03000000.tmp"

221 .

222 . global cov2 "i.semcrattX"

223

end of do-file

224 . do "C:\Users\JACOB-~1\AppData\Local\Temp\STD03000000.tmp"

225 . mlogit \$outcome \$cov2 \$control, baseoutcome(1)

Multinomial logistic regression

Number of obs = 3,010 LR chi2(36) = 906.80 Prob > chi2 = 0.0000 Pseudo R2 = 0.1444

Log likelihood = -2687.4945

	deg	Coef.	Std. Err.	Z	P> z	[95% Conf.	Interval]
1		(base outco	ome)				
2							
	semcrattX						
	2	3180837	.1606703	-1.98	0.048	6329917	0031756
	3	4059583	.1911646	-2.12	0.034	780634	0312826
	female	9058884	.1309732	-6.92	0.000	-1.162591	6491856
	asian	.2746907	.3358109	0.82	0.413	3834866	.9328679
	black	.0199489	.1753812	0.11	0.909	3237919	.3636896
	hispanic	.1395878	.3302255	0.42	0.673	5076422	.7868178
	other	2010702	.319439	-0.63	0.529	8271592	.4250189
	unknown	060126	.3380671	-0.18	0.859	7227253	.6024733
	ageX	.0243833	.0922594	0.26	0.792	1564417	.2052084
	pell	0034204	.1372858	-0.02	0.980	2724957	.2656549
	ftiac	.2064409	.1466109	1.41	0.159	0809112	. 493793
	semgpa	.6211103	.0576506	10.77	0.000	.5081173	.7341033
	_cons	-2.003906	.3839316	-5.22	0.000	-2.756398	-1.251414
3							
	semcrattX						
	2	.9388208	.2350009	3.99	0.000	.4782275	1.399414
	3	1.243452	.2473509	5.03	0.000	.7586528	1.72825
	female	2548358	.1311633	-1.94	0.052	5119111	.0022396
	asian	3435142	.4950474	-0.69	0.488	-1.313789	.626761
	black	7173276	.2273981	-3.15	0.002	-1.16302	2716356
	hispanic	4002424	.3976109	-1.01	0.314	-1.179545	.3790606
	other	.0780001	.2899634	0.27	0.788	4903177	.6463179
	unknown	.1685644	.3270709	0.52	0.606	4724828	.8096116
	ageX	2289904	.1051994	-2.18	0.030	4351774	0228034
	pell	0386858	.1409502	-0.27	0.784	3149431	.2375715
	ftiac	0501757	.1633841	-0.31	0.759	3704026	.2700512
	semgpa	.7454217	.0713914	10.44	0.000	.6054972	.8853462
	_cons	-3.858165	.4643694	-8.31	0.000	-4.768312	-2.948017
4							
	semcrattX						
	2	.234761	.1882876	1.25	0.212	134276	.603798
	3	1.054412	.1943217	5.43	0.000	. 6735485	1.435276

female	3996202	.1211957	-3.30	0.001	6371593	162081
asian	.8723367	.3247021	2.69	0.007	.2359323	1.508741
black	6149328	.2230002	-2.76	0.006	-1.052005	1778603
hispanic	.0906786	.3047582	0.30	0.766	5066366	.6879937
other	0138108	.2924926	-0.05	0.962	5870858	.5594642
unknown	.1409951	.3125641	0.45	0.652	4716192	.7536095
ageX	8006246	.1110624	-7.21	0.000	-1.018303	5829464
pell	4767649	.1355957	-3.52	0.000	7425276	2110022
ftiac	5335549	.1608256	-3.32	0.001	8487673	2183425
semgpa	.994512	.0782101	12.72	0.000	.841223	1.147801
cons	-2.39875	.449588	-5.34	0.000	-3.279926	-1.517573
_						

226

end of do-file

227 . tab fyrcollcreditX

RECODE of fyrcollcred it (FYrCollCre dit)	Freq.	Percent	Cum.
1 2 3	1,242 960 808	41.26 31.89 26.84	41.26 73.16 100.00
Total	3,010	100.00	

228 . tab engcollpass

EngCollPass	Freq.	Percent	Cum.
0 1	319 2,691	10.60 89.40	10.60 100.00
Total	3,010	100.00	

229 . tab mathcollpass

MathCollPas s	Freq.	Percent	Cum.
0	183 2,827	6.08 93.92	6.08 100.00
Total	3,010	100.00	

230 . do "C:\Users\JACOB-~1\AppData\Local\Temp\STD03000000.tmp"

231 . mlogit \$outcome \$cov3 \$control, baseoutcome(1)

Multinomial logistic regression

Number of obs = 3,010 LR chi2(33) = 979.72 Prob > chi2 = 0.0000 Pseudo R2 = 0.1560

Log likelihood = -2651.0335

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1 (base outcome) 2 fyrcollcreditX	0.000 0.336 0.912 0.695	0139464 -1.197504 3315039 3231875	.3043004 6847393
fyrcollcreditX .145177 .0811869 1.79 female 9411216 .1308097 -7.19 asian .3195894 .3321966 0.96 black .0193992 .1747924 0.11 hispanic .1298381 .3317046 0.39 other 2197802 .3199639 -0.69 unknown 0356199 .3373663 -0.11 ageX .1158642 .0897129 1.29 pell 1521805 .1351614 -1.13 ftiac .2241406 .1456125 1.54 semgpa .6129305 .0589382 10.40 _cons -2.583283 .3752328 -6.88	0.000 0.336 0.912 0.695	-1.197504 3315039	6847393
female 9411216 .1308097 -7.19 asian .3195894 .3321966 0.96 black .0193992 .1747924 0.11 hispanic .1298381 .3317046 0.39 other 2197802 .3199639 -0.69 unknown 0356199 .3373663 -0.11 ageX .1158642 .0897129 1.29 pell 1521805 .1351614 -1.13 ftiac .2241406 .1456125 1.54 semgpa .6129305 .0589382 10.40 _cons -2.583283 .3752328 -6.88	0.000 0.336 0.912 0.695	-1.197504 3315039	6847393
asian black .0193992 .1747924 0.11 hispanic .1298381 .3317046 0.39 other2197802 .3199639 -0.69 unknown ageX .1158642 .0897129 1.29 pell1521805 .1351614 -1.13 ftiac .2241406 .1456125 1.54 semgpa _cons -2.583283 .3752328 -6.88	0.336 0.912 0.695	3315039	
black hispanic other unknown ageX pell ftiac semgpa _cons _c	0.912		
hispanic other .1298381 .3317046 0.39 other unknown 2197802 .3199639 -0.69 unknown 0356199 .3373663 -0.11 ageX .1158642 .0897129 1.29 pell 1521805 .1351614 -1.13 ftiac .2241406 .1456125 1.54 semgpa .6129305 .0589382 10.40 _cons -2.583283 .3752328 -6.88	0.695	3231875	.9706828
other unknown ageX 2197802 .3199639 -0.69 pell 0356199 .3373663 -0.11 totac .1158642 .0897129 1.29 pell 1521805 .1351614 -1.13 ftiac .2241406 .1456125 1.54 semgpa .6129305 .0589382 10.40 _cons -2.583283 .3752328 -6.88			.361986
unknown 0356199 .3373663 -0.11 ageX .1158642 .0897129 1.29 pell 1521805 .1351614 -1.13 ftiac .2241406 .1456125 1.54 semgpa .6129305 .0589382 10.40 _cons -2.583283 .3752328 -6.88	0.492	520291	.7799671
ageX .1158642 .0897129 1.29 pell 1521805 .1351614 -1.13 ftiac .2241406 .1456125 1.54 semgpa .6129305 .0589382 10.40 _cons -2.583283 .3752328 -6.88		8468979	.4073375
pell 1521805 .1351614 -1.13 ftiac .2241406 .1456125 1.54 semgpa .6129305 .0589382 10.40 _cons -2.583283 .3752328 -6.88		6968457	.6256058
ftiac .2241406 .1456125 1.54 semgpa .6129305 .0589382 10.40cons -2.583283 .3752328 -6.88		0599699	.2916983
semgpa .6129305 .0589382 10.40 _cons -2.583283 .3752328 -6.88		417092	.1127309
_cons -2.583283 .3752328 -6.88		0612546	.5095358
		.4974138	.7284472
3	0.000	-3.318726	-1.84784
fyrcollcreditX .7122031 .0859739 8.28		.5436973	.8807088
female3023555 .1326024 -2.28		5622515	0424594
asian3526476 .4944045 -0.71		-1.321663	.6163673
black7625889 .2291726 -3.33		-1.211759	313419
hispanic3999393 .4037302 -0.99		-1.191236	.3913573
other0185794 .2947041 -0.06		5961887	. 55903
unknown .0963839 .3299554 0.29		5503168	.7430847
ageX2123422 .1050683 -2.02		4182722	0064121
pell1093107 .1427864 -0.77		3891668	.1705455
ftiac0538905 .165031 -0.33		3773453	.2695642
semgpa .6493991 .0723976 8.97		.5075023	.7912959
_cons	0.000	-4.848688	-3.154594
4			
fyrcollcreditX .8541958 .0798687 10.69		. 6976559	1.010736
female4575942 .1235755 -3.70		6997976	2153907
asian .9087923 .3285021 2.77		.26494	1.552645
black7017909 .2250021 -3.12		-1.142787	2607949
hispanic .0669369 .3158242 0.21		5520671	. 6859409
other1771255 .2992862 -0.59		7637156	.4094647
unknown .0266483 .3178185 0.08		5962646	.6495611
ageX7427951 .1109524 -6.69		9602578	5253324
pell6118548 .1372132 -4.46		8807879	3429218
ftiac5273031 .1629067 -3.24		8465943	2080119
semgpa .9203526 .0800345 11.50			
_cons -3.368314 .438273 -7.69		.7634879 -4.227314	1.077217 -2.509315

^{232 .} end of do-file

^{233 .} do "C:\Users\JACOB-~1\AppData\Local\Temp\STD03000000.tmp"

<sup>234 .
235 .</sup> global cov3 "i.fyrcollcreditX"

236 .

end of do-file

237 . do "C:\Users\JACOB-~1\AppData\Local\Temp\STD03000000.tmp"

238 . mlogit \$outcome \$cov3 \$control, baseoutcome(1)

Multinomial logistic regression

Number of obs = 3,010 LR chi2(36) = 1012.60 Prob > chi2 = 0.0000 Pseudo R2 = 0.1612

Log likelihood = **-2634.5933**

	~ .	G. 1 =				
deg	Coef.	Std. Err.	Z	P> z	[95% Conf.	interval]
1	(base outco	ome)				
2						
fyrcollcreditX						
2	.3729705	.1446888	2.58	0.010	.0893857	.6565554
3	.2502209	.1694688	1.48	0.140	0819318	.5823736
female	9377997	.1308627	-7.17	0.000	-1.194286	6813134
asian	. 3227755	.3322712	0.97	0.331	3284642	.9740152
black	.0203259	.175031	0.12	0.908	3227285	.3633803
hispanic	.1481912	.3318938	0.45	0.655	5023088	.7986911
other	2002178	.3204467	-0.62	0.532	8282817	.4278462
unknown	0366528	.3371777	-0.11	0.913	6975089	.6242034
ageX	.1312804	.0903023	1.45	0.146	0457088	.3082697
pell	1692632	.135522	-1.25	0.212	4348814	.096355
ftiac	.2266616	.1456188	1.56	0.120	058746	.5120692
semgpa	.6174719	.0593697	10.40	0.000	.5011093	.7338345
_cons	-2.555649	.3610868	-7.08	0.000	-3.263366	-1.847932
3						
fyrcollcreditX						
2	1.018144	.1797216	5.67	0.000	.6658961	1.370392
3	1.51562	.1832629	8.27	0.000	1.156431	1.874808
female	2964887	.1326468	-2.24	0.025	5564716	0365058
asian	3496845	.4947239	-0.71	0.480	-1.319326	.6199565
black	7651966	.229221	-3.34	0.001	-1.214462	3159316
hispanic	3842996	.4035896	-0.95	0.341	-1.175321	.4067216
other	0030427	.2948298	-0.01	0.992	5808985	.574813
unknown	.0890564	.329858	0.27	0.787	5574534	.7355662
ageX	1981942	.1055658	-1.88	0.060	4050993	.0087109
pell	1266196	.1430805	-0.88	0.376	4070522	.1538131
ftiac	0494554	.1649331	-0.30	0.764	3727183	.2738075
semgpa	.6564484	.0731905	8.97	0.000	.5129976	.7998992
_cons	-3.490571	.4222947	-8.27	0.000	-4.318253	-2.662888
4						
fyrcollcreditX						
2	.1845072	.1692284	1.09	0.276	1471745	.5161888
3	1.554964	.1533707	10.14	0.000	1.254362	1.855565
female	4729758	.1243914	-3.80	0.000	7167784	2291731
asian	.8856402	.3297877	2.69	0.007	.2392683	1.532012
black	7071024	.2262906	-3.12	0.002	-1.150624	263581

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other	2257322	.3011266	-0.75	0.453	8159296	.3644652
unknown	.031318	.3195614	0.10	0.922	5950108	.6576468
ageX	770178	.1114695	-6.91	0.000	9886542	5517017
pell	590727	.1384864	-4.27	0.000	8621554	3192986
ftiac	5445179	.1644237	-3.31	0.001	8667824	2222535
semgpa	.8864969	.0791005	11.21	0.000	.7314627	1.041531
_cons	-2.072063	.4209254	-4.92	0.000	-2.897062	-1.247064

239 . end of do-file

240 .