Appendix 1 Research Instruments

The full version of the R-SPQ-2F

This questionnaire has a number of questions about your attitudes towards your learning and your usual way of studying. There is no right way of studying. It all depends on what suits your own style. Use this scale to mark your answers to the following questions on the answer sheet.

A – this item is <u>never</u> or <u>only rarely</u> true of me.

B – this item is <u>sometimes</u> true of me.

C – this item is true of me about <u>half the time</u>.

D – this item is <u>frequently</u> true of me.

E – this item is <u>always</u> or <u>almost always</u> true of me.

Please choose the one most appropriate response to each question. Circle on the Answer Sheet that best fits your immediate reaction. Do not spend a long time on each item: your first reaction is probably the best one. Please answer each item. Do not worry about projecting a good image. Your answers are confidential. Thank you for your cooperation.

1. I find that at times studying gives me a feeling of deep personal satisfaction.

2. I find that I have to do enough work on a topic so that I can form my own conclusions before I am satisfied.

3. My aim is to pass the course while doing as little work as possible.

4. I only study seriously what's given out in class or in the course outlines.

5. I feel that virtually any topic can be highly interesting once I get into it.

6. I find most new topics interesting and often spend extra time trying to obtain more information about them.

7. I do not find my course very interesting so I keep my work to the minimum.

8. I learn some things by rote, going over and over them until I know them by heart even though I do not understand them.

9. I find that studying academic topics can at times be as exciting as a

good novel or movie.

10. I test myself on important topics until I understand them completely.

11. I find I can get by in most assessments by memorizing key sections rather than trying to understand them.

12. I generally restrict my study to what is specifically set as I think it is unnecessary to do anything extra.

13. I work hard at my studies because I find the material interesting.

14. I spend a lot of my free time finding out more about interesting topics which have been discussed in different classes.

15. I find it is not helpful to study topics in depth. It confuses and wastes time, when all you need is a passing acquaintance with topics.

16. I believe that lecturers shouldn't expect students to spend significant amounts of time studying material everyone knows won't be examined.

17. I come to most classes with questions in mind that I want answering.

18. I make a point of looking at most of the suggested readings that go with the lectures.

19. I see no point in learning material which is not likely to be in the examination.

20. I find the best way to pass examinations is to try to remember answers to likely questions.

The full version of the Revised CDSII

QUESTIONAIRE ON CAUSES OF ACADEMIC SUCCESS AND FAILURE

(A) Suppose at the end of this academic year, you find that your academic results are good and above the average, or they are bad and below average, what do you think is the cause of your academic success or failure? Academic success or failure can be due to various reasons, e.g. high/ low academic ability, hard-working/ laziness, good/ bad luck, work being easy/ difficult, etc. If you think there is more than one reason, give the one that you think to be most dominant.

1. Male / Female

2. The cause of my academic success or failure is:

(B) Think about the reason you have written above. The items below concern your impressions or opinions of this cause of your academic success and failure. Circle one number for each of the follow questions.

Is	the	cause	of	academic	success	and	failure	you	gave	about	something:
----	-----	-------	----	----------	---------	-----	---------	-----	------	-------	------------

1. That reflects an aspect of yourself	9 8 7 6 5 4 3 2 1 reflects of the situations
2. Manageable by you	9 8 7 6 5 4 3 2 1 not manageable by you
3. Permanent	9 8 7 6 5 4 3 2 1 temporary
4. You can regulate	9 8 7 6 5 4 3 2 1 you cannot regulate
5. Over which others have control	9 8 7 6 5 4 3 2 1 over which others have no control
6. Inside of you	9 8 7 6 5 4 3 2 1 outside of you
7. Stable over time	9 8 7 6 5 4 3 2 1 variable over time
8. Under the power of other people	9 8 7 6 5 4 3 2 1 not under power of other people
9. Over which you have power	9 8 7 6 5 4 3 2 1 over which you have no power
10. Unchangeable	9 8 7 6 5 4 3 2 1 changeable
11. Other people can regulate	9 8 7 6 5 4 3 2 1 other people cannot regulate

Extracurricular Activities Experiences Survey

Extracurricular activities refer to your activities that fall outside the realm of the curriculum of primary and secondary education. Such activities are generally voluntary and organized by student club or societies covering a range of sporting, social and cultural activities. For example, basketball club, swimming club, drama club, singing society, debating society, etc.

Please write down your years of extracurricular activities experiences in primary and secondary education:

Appendix 2 Survey Letter

Dear Graduate,

Teaching and learning are very important to higher education institutions. In an effort to understand the relationship between individual student characteristics, learning approaches and academic achievement of both full-time and part-time sub-degree students, we are seeking your feedback on education you received in your current sub-degree programme. It is important that feedback is obtained from full-time and part-time students in our study.

The purpose of this questionnaire is to find out about sub-degree students' learning experience in a broad sense. Your feedback will only be used in the research study which is called "The relationship between gender, age, study mode, locus of control, extracurricular activities, learning approaches and academic achievement: the case of full-time and part-time Hong Kong Chinese sub-degree students" which is possible to provide lecturers and administrators with information which will help them shape courses and the learning environment to better suit sub-degree students needs. Your GPA will be used to investigate the relationship between learning approaches and academic achievement. Please complete the enclosed questionnaire and return it in the reply envelope provided. **All individual responses will be kept confidential.**

It is in your interest to cooperate by returning the questionnaire. No remuneration will be offered and the data will only be used for the current study.

Thank you for your cooperation,

Ringo Chan

Appendix 3 Statistical Results Tuesday April 27 13:29:06 2010 Page 1

Full-time students

/_____tm /____/ /____/ /____/ ___/ / /___/ /___/ Statistics/Data Analysis

1 . summarize

4

Variable	Obs	Mean	Std. Dev.	Min	Max
hd	131	66	37.96051	1	131
gender	131	.5114504	.5017878	0	1
result	131	3.549618	1.031904	1	5
da	131	30.41221	5.884622	14	45
sa	131	28.29771	5.52852	13	42
dm	131	15.00763	3.067187	6	23
ds	131	15.40458	3.334617	5	25
sm	131	13.17557	3.478463	6	25
SS	131	15.12214	2.982056	6	23
lc	131	.389313	.4894663	0	1
extraact	131	. 4351145	.4976752	0	1

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Part-time students

/_____tm /____/ /____/ /____/ ___/ / /___/ /___/ Statistics/Data Analysis

1 . summarize

Variable	Obs	Mean	Std. Dev.	Min	Max
certpt	130	65.5	37.67183	1	130
gender	130	.6153846	.4883863	0	1
result	130	3.384615	1.177203	1	5
da	130	34.36923	5.894602	22	50
sa	130	27.81538	5.900709	12	41
dm	130	17.52308	3.037786	11	25
ds	130	16.84615	3.431413	8	25
sm	130	13.05385	3.37182	5	21
SS	130	14.76154	3.418608	5	22
lc	130	. 4	.4917931	0	1
extraact	130	.3615385	.4823046	0	1

t m Statistics/Data Analysis

- 1. do "D: \ SPACE-UoL \ Ringo \ ringo2fulltime.dta
- 2. tabulate cronbach alpha Full-time students
- 3. summarize

Variable	Cronbach alpha
sa	0.73
da	0.76
sm	0.61
dm	0.60
SS	0.63
ds	0.66

- 4. do "D: \ SPACE-UoL \ Ringo \ ringo2parttime.dta
- 5. tabulate cronbach alpha

Part-time students

6. summarize

 Cronbach alpha
0.75
0.78
0.60
0.62
0.62
0.69

Full-time students

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/____/ / ____/ / ____/ ___/ / / ____/ / ____/ Statistics/Data Analysis tm

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1 . use "D:\SPACE-UoL\Ringo\ringo2.dta", clear

- 2 . do "D:\SPACE-UoL\Ringo\Chi2 full time.do"
- 3 . summarize

Variable	Obs	Mean	Std. Dev.	Min	Max
obs	261	131	75.48841	1	261
girl	261	.5632184	.4969402	0	1
result	261	3.467433	1.107619	1	5
lowresult	261	.4827586	.5006627	0	1
sa	261	.2452107	.4310386	0	1
dm	261	7.532567	7.824757	0	23
ds	261	7.731801	8.069226	0	25
sm	261	6.613027	7.043796	0	25
Ø.9	261	7.590038	7.863532	0	23
lc	261	.394636	.4897114	0	1
extraact	131	. 4351145	. 4976752	0	1
pt	261	.4980843	.5009569	0	1
workexp	130	.3615385	.4823046	0	1

4 .
5 . * gender & leaning approach
6 . tabulate girl sa if pt==0, all exact

	LP (DA=0,	SA=	1)			
Gender	0		the second secon	To	ta	11
0	49		15		(54
	48		19		6	57
Total	97		34		13	11
Pe	earson chi2(1)		0.4124	Pr	222	0.521
likelihood-	-ratio chi2(1)	15	0.4133	Pr	-	0.520
	Cram廨's V	vietin witte	0.0561			
	gamma	35	0.1278	ASE	272	0.197
Ke	endall's tau-b	222	0.0561	ASE	225	0.087
F	'isher's exact	122				0.555
l-sided H	'isher's exact	100				0.329

7 8	. exactcc girl sa	if pt==0 LP [DA=0, SA=1 Exposed Un] exposed	Total	Proportion Exposed	
	Cases Controls	19 15	48 49	67 64	0.2836	
	Total	34	97	131	0.2595	•
		Point est:	imate	 [95% Conf.	Interval]	
	Odds ratio	1.2930	56	Cornfield's	limits 3.052338	Adjusted
	Attr. frac. ex.	. 22663	38	8189967	. 6723823	Adjusted
	Attr. frac. pop	.064270)5	081301/	. 5441668	Unadjusted
	Yates	chi2 djusted chi2	(1) =	0.41 Pr>chi 0.20 Pr>chi	2 = 0.5207 2 = 0.6579	

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9 . 10 . phi girl sa if pt=≈0

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	LP (DA=0, SA	A=1)	
Gender	0	prod	Total
0 1	49 48	15 19	64 67
Total	97	34	131

Pearson chi2(1) = 0.4124 Pr = 0.521 phi = Cohen's w = fourfold point correlation = 0.0561 phi-squared = 0.0031

11 .
12 . * Local of control & leaning approach
13 . tabulate lc sa if pt==0, all exact

LC	LP (DA=0, 0	SA=1) 1	Total	
0 1	69 28	11 23	80 51	
Total	97	34	131	
Pe likelihood-	earson chi2(1) -ratio chi2(1) Cram解's V	= 15.92 = 15.74 = 0.34	<pre>58 Pr = 0.00 14 Pr = 0.00 87</pre>	0 0
Ke I	gamma endall's tau-b 'isher's exact	= 0.67 = 0.34	49 ASE = 0.11 87 ASE = 0.08 0.00	740

15	. exactcc lc sa if	pt==0 LP [DA=0, SA=1] Exposed Une	exposed	Total	Proportion Exposed	
	Cases Controls	23 11	28 69	51 80	0.4510 0.1375	
	Total	34	97	131	0.2595	
	and the second se	Point esti	mate	 [95% Conf.	Interval]	
	Odds ratio	5.15259	7	Cornfield's 2.061341 2.241248	limits 13.09259 11 82822	Adjusted
	Attr. frac. ex.	. 805923	1	.5148788	.9236209	Adjusted
	Attr. frac. pop	.363455	5		.3134304	Unadjusted
	Yates	chi2(' adjusted chi2(1) = 1) =	15.93 Pr>chi2 14.34 Pr>chi2	2 = 0.0001 2 = 0.0002	

16 . 17 . phi lc sa if pt==0

	LP (DA=0,	SA=1)	
LC	0	1	Total
0 1	69 28	11 23	80 51
Total	97	34	131

Pearson chi2(1) = 15.9258 Pr = 0.000 phi = Cohen's w = fourfold point correlation = 0.3487 phi-squared = 0.1216

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18 .
19 . * Extracurricular activities & leaning approach
20 . tabulate extraact sa if pt==0, all exact

ExtraAct	LP (DA=0, 0	SA=1) 1	Total
0	63 34	11 23	74 57
Total	97	34	131
Pe likelihood- Ke F l-sided F	earson chi2(1) -ratio chi2(1) Cram pris V gamma endall's tau-b 'isher's exact 'isher's exact	= 10.882 = 10.919 = 0.2882 = 0.589 = 0.2882	6 Pr = 0.001 7 Pr = 0.001 2 7 ASE = 0.138 2 ASE = 0.084 0.001 0.001

	LP [DA=0, SA=1] Exposed Une	xposed	Total	Proportion Exposed	
Cases Controls	23 11	34 63	57 74	0.4035 0.1486	
Total	34	97	131	0.2595	
	Point esti	mate	 [95% Conf.	Interval]	
Odds ratio	3.87433	2	Cornfield's	limits 9.699581	Adjusted
Attr. frac. ex.	.74189	- And	1.704775 .3634672 .4134122	8.788473	Unadjusted Adjusted
Attr. frac. pop	.299359	5	• ***********	.0002140	unadjusted
Yates	chi2(' adjusted chi2(1) = :	10.88 Pr>chi2 9.60 Pr>chi2	= 0.0010 = 0.0019	

23 . 24 . phi extraact sa if pt==0

	LP (DA=0, S	A=1)	
ExtraAct	0	1	Total
0 1	63 34	11 23	74 57
Total	97	34	131

Pearson chi2(1) = 10.8826 Pr = 0.001 phi = Cohen's w = fourfold point correlation = 0.2882 phi-squared = 0.0831

25 26 27	. * Result . tabulate	& learning approa lowresult sa if p	ach ot==0,	all exact
	Low result	LP (DA=0, SP	1=1)	1 Tabal
		M		iocai
	0	61	9	70
	1	36	25	61
	Total	97	34	131

Pearson chi2(1)	200	13.4177	Pr		0.000
likelihood-ratio chi2(1)	3800 3800	13.7331	Pr	inder ander	0.000
Cram 解 's V	-	0.3200			
gamma	222	0.6495	ASE	1000	0.128
Kendall's tau-b	NAME:	0.3200	ASE	-selice Alartic	0.081
Fisher's exact	22				0.000
l-sided Fisher's exact	-				0.000

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28.

29 . exactcc lowresult sa if pt==0

	LP [DA=0, SA=1] Exposed Une	xposed	Total	Proportion Exposed	
Cases Controls	25 9	36 61	61 70	0.409 0.128	8
Total	34	97	131	0.259	5
	Point esti	mate	[95% Conf. +	Interval]	
Odds ratio	4.7067	9	Cornfield's	limits 12.31353	Adjusted
Attr. frac. ex.	.78754	1	.4565848	.9187885	Adjusted
Attr. frac. pop	. 322762	7			Unadjusted
	chi2(1) = 1	13.42 Pr>chi	2 = 0.0002	

Yates' adjusted chi2(1) = 11.99 Pr>chi2 = 0.0005

30.

31 . phi lowresult sa if pt==0

	LP (DA=0,	SA=1)	
Low result	0	1	Total
0	61 36	9	70
Tatal	67	24	+0
IOCAL	37	34	131

Pearson chi2(1) = 13.4177 Pr = 0.000 phi = Cohen's w = fourfold point correlation = 0.3200 phi-squared = 0.1024

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32 33 34	. * Gender . tabulate	& result girl lowresult	if	pt==0,	, all exa	ct
	Gender	Low res 0	ult	hered	Tot	àl
	0 1	28 42		36 25		64 67
	Total	70		61	1	31
	Pilikelihood	earson chi2(1) -ratio chi2(1) Cram廨's V		4.717 4.744 -0.189	74 Pr = 18 Pr =	0.030 0.029
	Ki 1 1-sided 1	gamma endall's tau-b Fisher's exact Fisher's exact		-0.367 -0.189	/1 ASE = /8 ASE =	0.154 0.086 0.036 0.023

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ction Dosed	Proportio tal Expose	Total	Unexposed	Low result Exposed	
).3731).5625	67 0.37 64 0.56	67 64	42 28	25 36	Cases Controls
).4656	L31 0.46	131	70	61	Total
[al]	onf. Interval]	 [95% Conf.	estimate	Point	and channel body
.955 Adjusted	ld's limits)9 .9871955 9 928332	Cornfield's	162963	. 4	Odds ratio
691 Adjusted	5 .7838691	.0128045	537037	. u	Prev. frac. ex.
unadjusted			20833	. 30	Prev. frac. pop

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37 .
38 . phi girl lowresult if pt==0

Gender	Low result O	1	Total
0 1	28 42	36 25	64 67
Total	70	61	131

Pearson chi2(1) = 4.7174 Pr = 0.030 phi = Cohen's w = fourfold point correlation = 0.1898 phi-squared = 0.0360

39 .
40 . * Locus of control & result
41 . tabulate lc lowresult if pt==0, all exact

	Low res	ult		
LC	0	1	Total	
0	46	34	80	•
Ĩ	24	27	51	
Total	70	61	131	
Pe	earson chi2(1)	= 1.364	16 Pr = 0	.243
likelihood-	-ratio chi2(1)	= 1.364	16 Pr = 0	.243
	Cram廨's V	= 0.102	1	
	gamma	= 0.207	0 ASE = 0	.172
Ke	endall's tau-b	= 0.102	1 ASE = 0	.087
1	fisher's exact	355	0	.283
l-sided H	Fisher's exact	55	0	.161

	Low result Exposed	Unexposed	Total	Proportion Exposed	
Cases Controls	27 34	24 46	51 80	0.5294 0.4250	
Total	61	70	131	0.4656	
	Point e	stimate	[95% Conf.	Interval]	
Odds ratio	1.52	2059	Cornfield's .7075447 .7542443	limits 3.281745 3.071714	Adjusted
Attr. frac. ex. 	. 342	9952	4133384 3258304	.695284	Adjusted Unadjusted

Attr.	frac.	pop		1815857		atorea			
		+	the me our car the part and have are and						
				chi2(1)	- Margan - Margan	1.36	Pr>chi2	222	0.2427
		Yates	' adjusted	chi2(1)	-22	0.98	Pr>chi2	222	0.3229

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44 .
45 . phi lc lowresult if pt==0

LC	Low result	1	Total
			IOCAL
1	46 24	34 27	80 51
Total	70	61	131

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Pearson chi2(1) = 1.3646 Pr = 0.243 phi = Cohen's w = fourfold point correlation = 0.1021 phi-squared = 0.0104

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Part-time students

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1 . do "C:\DOCUME~1\ANDYCH~1\LOCALS~1\Temp\STD0000000.tmp"

2 . summarize

Variable	Obs	Mean	Std. Dev	. Min	Мах
obs	261	131	75.48841	1	261
girl	261	.5632184	.4969402	0	1
result	261	3.467433	1.107619	1	5
lowresult	261	.4827586	.5006627	0	1
sa	261	.2452107	.4310386	0	1
dm	261	7.532567	7.824757	0	23
ds	261	7.731801	8.069226	0	25
sm	261	6.613027	7.043796	0	25
SS	261	7.590038	7.863532	0	23
lc	261	.394636	.4897114	0	. 1
extraactl	261	.2183908	. 4139478	0	1
pt	261	.4980843	.5009569	0	1
workexp1	261	.1800766	.3849895	0	1
extraact	261	.3984674	. 4905232	0	1
standardiz~l	261	.0001277	1.001346	-2.002179	1.645718
predictedv~e	261	. 4827586	. 2068549	.236624	.9849222
standardiz~e	261	4.48e-09	1	-1.18989	2.427613

3 . 4 . * gender & leaning approach 5 . tabulate girl sa if pt==1, all exact

	LP (DA=0,	SA=	=1)		
Gender	0		1	To	tal
0	44		6	te Color de la color de la color de maio	50
Line	56		24		80
Total	100		30		130
Pe	earson chi2(1)	32	5.6160	Pr :	- 0.018
likelihood-	-ratio chi2(1)	922	6.0223	Pr	- 0.014
	Cram廨's V	-	0.2078		
	gamma	22	0.5172	ASE =	0.183
Ke	endall's tau-b	ality Million	0.2078	ASE :	= 0.077
E	'isher's exact	352			0.019
1-sided H	'isher's exact	visiter Handar			0.014

6 . 7 . exactcc girl sa if pt==1 | T.P [DA=

	LP [DA=0, SA Exposed	=1] Unexposed	Total	Proportion Exposed	
Cases Controls	24 6	56 44	80 50	0.3000 0.1200))
Total	30	100	130	0.2308	2
	Point e	stimate	 [95% Conf.	Interval)	
Odds ratio	3.14	2857	Cornfield's 1.093513 1.208603	limits 9.453752 8.120659	Adjusted
Attr. frac. ex.	.681	8182	.0855165	.8942219	Adjusted Unadjusted
Attr. frac. pop +	. 204	5455	19 0007 Webs when dark short clive state year war, state and state	است المحمد المحمد المحمد المحمد المحمد المحمد المحمد	νσ ^μ
Yates	ch ' adjusted ch	i2(1) = i2(1) =	5.62 Pr>chi 4.65 Pr>chi	2 = 0.0178 2 = 0.0311	

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8. 9 . phi girl sa if pt==1

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Gender	LP (DA=0, SA 0	1=1)	Total
0 1	44 56	6 24	50 80
Total	100	30	130

Pearson chi2(1) = 5.6160 Pr = 0.018 phi = Cohen's w = fourfold point correlation = 0.2078 phi-squared = 0.0432

10 . 11 . * Local of control & leaning approach 12 . tabulate lc sa if pt=1, all exact

	LP (DA=0,	SA=1)		
LC	0	1	Total	
0	69	9	78	
	31	21	52	
Total	100	30	130	
Pe	earson chi2(1)	= 14.625	0 Pr = 0.0	000
likelihood-	-ratio chi2(1)	= 14.511	0 Pr = 0.0	000
	Cram廨's V	= 0.335	4	
	gamma	= 0.677	1 ASE = 0.1	23
Ke	endall's tau-b	= 0.335	4 ASE = 0.0)84
14	'isher's exact		0.0	000
1-sided H	'isher's exact	22	0.0	000

13 . 14 . exactcc lc sa if pt==1 \downarrow LP [D2

	LP [DA=0, SA=1 Exposed Un] exposed	Total	Proportion Exposed	
Cases Controls	21 9	31 69	52 78	0.4038	 3 1
Total	30	100	130	0.2308	3
	Point est	imate	[95% Conf.	Interval]	
Odds ratio	5.1935	48	Cornfield's 1.975766	limits 13.95359	Adjusted
Attr. frac. ex.	.80745	34	.4938672	.9283338	Adjusted Unadjusted
Attr. frac. pop	. 3260	87			
Yates	chi2 ' adjusted chi2	(1) = (1) =	14.63 Pr>chi: 13.05 Pr>chi:	2 = 0.0001 2 = 0.0003	

15 . 16 . phi lc sa if pt==1

LC	LP (DA=0, 0	SA=1) 1	Total
0 1	69 31	9 21	78 52
Total	100	30	130

Pearson chi2(1) = 14.6250 Pr = 0.000phi = Cohen's w = fourfold point correlation = 0.3354 phi-squared = 0.1125

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17 . 18 . * Extracurricular activities & leaning approach 19 . tabulate extraact sa if pt==1, all exact

	LP (DA=0,	SZ	A=1)		
extraact	0		1	Tot	al
0	72		11		83
1	28		19		47
Total	100		30	1	30
P	earson chi2(1)		12.4812	Pr =	0.000
likelihood	-ratio chi2(1)	=	12.0974	Pr =	0.001
	Cram廨's V	-	0.3099		
	gamma	\approx	0.6325	ASE =	0.132
Ke	endall's tau-b	-	0.3099	ASE =	0.088
1	Fisher's exact	35			0.001
1-sided 1	Fisher's exact	22			0.001

20.

20 . 21 . exactcc extraact sa if pt==1

. exacted extrade	LP [DA=0, SA=1] Exposed Une	xposed	Total	Proportion Exposed	
Cases Controls	19 11	28 72	47 83	0.4043 0.1325	
Total	30	100	130	0.2308	-
	Point esti	mate	 [95% Conf.	Interval]	
Odds ratio	4.44155	8	Cornfield's	limits 11.53147 10 38554	Adjusted
Attr. frac. ex.	.774853	8	.423879 .4730216	.9132808	Adjusted Unadjusted
Attr. frac. pop +	. 313238	8		then were also user and also shad user	
Yates	chi2(adjusted chi2(1) = 1) =	12.48 Pr>chi2 11.00 Pr>chi2	= 0.0004 = 0.0009	

22 .
23 . phi extraact sa if pt==1

extraact	LP (DA=0, SA 0	A=1) 1	Total
0	72 28	11 19	83 47
Total	100	30	130

Pearson chi2(1) = 12.4812 Pr = 0.000 phi = Cohen's w = fourfold point correlation = 0.3099 phi-squared = 0.0960

24 .
25 . * Result & learning approach
26 . tabulate lowresult sa if pt==1, all exact

Low result	LP (DA=0, S 0	A=1)	Total
0 1	62 38	3 27	65 65
Total	100	30	130

Wednesday March 10 20:22:57 2010 Page 4 Pearson chi2(1) = 24.9600 Pr = 0.000 likelihood-ratio chi2(1) = 27.9005 Pr = 0.000 0.4382 0.8725 ASE = 0.077 0.4382 ASE = 0.066 Cram廨's V = gamma = Kendall's tau-b = Fisher's exact = 0.000 1-sided Fisher's exact = 0.000

27.

28 . exactcc lowresult sa if pt==1

	LP [DA=0, SA=1 Exposed Un	l exposed	Total	Proportion Exposed	
Cases Controls	27 3	38 62	65 65	0.4154 0.0462	
Total	30	100	130	0.2308	20 2
and the second se	Point est	imate	 [95% Conf.	Interval]	
Odds ratio	14.684	21	Cornfield's 3.865625	limits	Adjusted
Attr. frac. ex.	. 93189	96	4.403692 .7413096 .7729178	48.41679	Unadjusted Adjusted Unadjusted
Attr. frac. pop +	. 38709	68			
Yates	chi2 ' adjusted chi2	(1) = (1) = (1)	24.96 Pr>chi2 22.92 Pr>chi2	2 = 0.0000 2 = 0.0000	

~

29.

30 . phi lowresult sa if pt==1

	LP (DA=0,	SA=1)	
Low result	0	1	Total
0 1	62 38	3 27	65 65
Total	100	30	130

Pearson chi2(1) = 24.9600 Pr = 0.000 phi = Cohen's w = fourfold point correlation = 0.4382 phi-squared = 0.1920

....

31 32 33	. * Gender . . tabulate .	& result girl low:	result	if	pt==1,	all e	xac	st
		L	ow rest	ılt				
	Gender		0		1	Т	ota	a 1
	0		24		26		B	50
	- Proved	A REV COLOUR	41		39		Ę	30
	Total		65		65		13	30
	Pe	earson ch	ni2(1)	222	0.130	0 Pr	-	0.718
	likelihood-	-ratio cł	ni2(1)	wee	0.130	0 Pr		0.718
		Cram	廨's V	-	-0.031	. 6		
			gamma	223	-0.064	9 ASE	7250	0.180
	Κe	endall's	tau-b	-	-0.031	6 ASE	2222	0.088
	whether	Fisher's	exact	1998) 				0.857
	l-sided H	fisher's	exact	222				0.429

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34.

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35	. exactcc girl low	vresult if pt==1					
		Low result Exposed Une	xposed	Second and a second and a second as	Total	Proportion Exposed	
	Cases Controls	39 26	41 24		80 50	0.487 0.520	5 0
	Total	65	65	- va	130	0.500	0
	5 under	Point esti	mate	[95	% Conf.	Interval)	
	Odds ratio	. 878048	8	Corn .40	field's 71693	límits 1.89184	Adjusted
	Prev. frac. ex.	.121951	2	-1.2	89184 99947	.5928307	Adjusted Unadjusted
	Prev. frac. pop	.063414	6	1		t some to be the set	onaajastea
	Yates	chi2('adjusted chi2(1) = 1) =	0.13 0.03	Pr>chi2 Pr>chi2	2 = 0.7184 2 = 0.8569	

÷

36 . 37 . phi girl lowresult if pt==1

Gender	Low result 0	1	Total
0 1	24 41	26 39	50 80
Total	65	65	130

Pearson chi2(1) = 0.1300 Pr = 0.718phi = Cohen's w = fourfold point correlation = 0.0316 phi-squared = 0.0010

38 .
39 . * Locus of control & result
40 . tabulate lc lowresult if pt==1, all exact

	Low res	ult		
LC	0	y	Total	
0	42	36	78	e F
in the second se	23	29	52	
Total	65	65	130	
Pe	earson chi2(1)	= 1.153	38 Pr = 0	.283
likelihood-	-ratio chi2(1)	= 1.15	58 Pr = 0	.282
	Cram廨's V	= 0.094	12	
	gamma	= 0.190	06 ASE = 0	.173
Ke	endall's tau-b	= 0.094	12 ASE = 0	.087
E	'isher's exact	400x	0	.371
1-sided E	'isher's exact	200	0	.185

41 . 42 . exactcc lc lowre	sult if pt==	1			
	Exposed	Unexposed	Total	Proportion Exposed	
Cases Controls	29 36	23 42	52 78	0.5577 0.4615	• • •
Total	65	65	130	0.5000	~
	Point e	estimate	 [95% Conf.	Interval]	
Odds ratio Attr. frac. ex.	1.47	71014 20197	Cornfield's .6845353 .7294565 460845	limits 3.169034 2.966077 .6844464	Adjusted Unadjusted Adjusted

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Attr.	frac.	pop	- April 19		17	85	714			ł									
			+	e new sola saw are upo up	ar tone mate				-				nt rates and	10400 ALC -		an adam sign	-		
					С	hi	2(1) =		1	.15	Ē	>r>	ch:	i2	similar None	Ο.	28	27
		Yate	s'a	idjustec	i c	hi	2(1) =		0	.80	Ĕ	>r>	ch:	i 2	1222	0.	37	07

w

43.

44 . phi lc lowresult if pt==1

LC	Low result 0	1	Total
0 1	42 23	36 29	78 52
Total	65	65	130

Pearson chi2(1) = 1.1538 Pr = 0.283 phi = Cohen's w = fourfold point correlation = 0.0942 phi-squared = 0.0089

45.

end of do-file

46.

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/___/ / ___/ / ____ __/ / / ___/ / / ____ Statistics/Data Analysis tm

1 . summarize

Variable	Obs	Mean	Std. Dev	. Min	Max
obs	261	131	75.48841	1	261
girl	261	.5632184	.4969402	0	1
result	261	3.467433	1.107619	1	5
lowresult	261	.4827586	.5006627	0	1
Sa	261	.2452107	.4310386	0	1
dm	261	7.532567	7.824757	0	23
ds	261	7.731801	8.069226	0	25
sm	261	6.613027	7.043796	0	25
SS	261	7.590038	7.863532	0	23
lc	261	.394636	.4897114	0	1
extraactl	261	.2183908	.4139478	0	1
pt	261	.4980843	.5009569	0	1
workexpl	261	.1800766	.3849895	0	1
extraact	261	.3984674	.4905232	0	1
residual	261	0330721	.4596175	-1.038199	.7095986
sr	261	1.10e-09	1	-2.186877	1.615845
predictedv~e	261	.5158307	.2389887	.2904014	1.038199
spv	261	-2.85e-10	1	9432635	2.185745

2 3 4	*	*study mode tabulate pt	& leaning approach sa, all exact
		-	I.P (DA=0. SA=1)

	DE (DA=0,	SA=1)		
PT	0	1	Total	L
0	97	34	131	L
ala Second	100	30	130)
Total	197	64	261	-
Pe	earson chi2(1)	= 0.293	19 Pr = ().589
likelihood-	-ratio chi2(1)	= 0.292	20 Pr = 0	.589
	Cram廨's V	= -0.033	34	
	gamma	= -0.07	17 ASE = C	.143
Ke	endall's tau-b	= -0.033	34 ASE = 0	.062
E	'isher's exact	etasi. Viste	C	.666
l-sided F	'isher's exact	white Court	C	.346

5	. exactcc pt sa	LP [DA=0, SA=1 Exposed Un] exposed	Total	Proportion Exposed	
	Cases Controls	30 34	100 97	130 131	0.2308 0.2595	
	Total	64	197	261	0.2452	
	and the second se	Point est	imate	[95% Conf.	Interval]	
	 Odds ratio 	.85588	24	Cornfield's	limits 1.563685	Adjusted
	Prev. frac. ex.	.14411	76	5636853	.5319028	Adjusted
	Prev. frac. pop	.03740	46	i		unadjusted
	Yates	chi2 adjusted chi2	(1) = (1) =	0.29 Pr>chi2 0.16 Pr>chi2	2 = 0.5890 2 = 0.6918	

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7 . 8 . phí pt sa

	LP (DA=0, SP	1=1)	27 - L - 1
E' 1	V	*	IOLAI
0	97 100	34 30	131
Total	197	64	261

Pearson chi2(1) = 0.2919 Pr = 0.589 phi = Cohen's w = fourfold point correlation = 0.0334 phi-squared = 0.0011

9.

end of do-file









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Full-time students

Part-time students

1 . do "C:\Users\ANDYCH~1\AppData\Local\Temp\STD0000000.tmp"

2 . reg lowresult girl extraact lc sa if pt==0

Source	SS	df	MS		Number of obs	227	131
Model Residual	4.86417453 27.7312453	4 1. 126 .2	21604363 20089249		F(4, 126) Prob > F R-squared	82	5.53 0.0004 0.1492
Total	32.5954198	130 .2	50733999		Adj R-squared Root MSE		0.1222
lowresult	Coef.	Std. Err	. t	P> t	[95% Conf.	In	terval]
girl extraact lc sa _cons	2105645 05793 027152 .407044 .5034739	.0822879 .0864677 .0899496 .104439 .0760408	-2.56 -0.67 -0.30 3.90 6.62	0.012 0.504 0.763 0.000 0.000	3734097 2290471 2051596 .2003623 .3529915	····· (0477192 1131872 1508556 6137258 6539563

3 . estat vif

Variable	VIF	1/VIĘ
sa lc extraact girl	1.25 1.14 1.09 1.01	0.801482 0.873397 0.914230 0.992987
Mean VIF	1.12	

4 . reg lowresult girl workexp lc sa if pt==1

Source	SS	df		MS		Number of obs	122	130
Model Residual	6.80761393 25.6923861	4 125	1.70	190348 539089		F(4, 125) Prob > F R-squared	1922 1932 1935	0.0000
Total	32.5	129	. 251	937984		Adj R-squared Root MSE	ter te	0.1842 .45336
lowresult	Coef.	Std.	Err.	t	P> t	[95% Conf.	In	terval]
girl workexpl lc _cons	1280764 .0243437 0383025 .5570749 .4567803	.085 .0875 .087 .1053 .0706	319 962 436 831 756	-1.50 0.28 -0.44 5.29 6.46	0.136 0.782 0.662 0.000 0.000	2969333 14902 2113493 .3485087 .3169045	¢ 9 8	0407806 1977075 1347442 .765641 5966561

5 . estat vif

Variable	VIF	1/VIF
sa lc workexp1 girl	1.25 1.16 1.12 1.09	0.802001 0.861706 0.892670 0.917669
Mean VIF	1.15	and a first and a second s

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/_____tm /___/ / /___/ / ___/ Statistics/Data Analysis

Source	SS	df		MS		Number of obs	100	261
Model Residual	11.1251242 54.0472896	5 255	2.22	502483 950155		F(5, 255) Prob > F R-squared	712 111	10.50 0.0000 0.1707
Total	65.1724138	260	. 25	066313		Adj R-squared Root MSE	254 327	0.1544 .46038
lowresult	Coef.	Std.	Err.	÷.	P> t	[95% Conf.	In	terval]
girl extraact lc sa pt _cons	1635526 0149409 0270072 .4784909 .0643067 .4421247	.0583 .0612 .062 .0739 .057 .0580	992 376 161 659 532 107	-2.80 -0.24 -0.43 6.47 1.12 7.62	0.005 0.807 0.664 0.000 0.265 0.000	2785589 1355367 1494215 .3328291 0489917 .3278836	**************************************	0485464 1056549 0954072 6241527 1776051 5563658

1 . reg lowresult girl extraact lc sa pt

2 . estat vif

Variable	VIF	1/VIF
sa lc extraact girl pt	1.25 1.14 1.11 1.03 1.02	0.801983 0.879718 0.903452 0.967916 0.981387
Mean VIF	1.11	