<u>Trabajo Práctico Nº 6:</u> Modelos para Variables Dependientes Limitadas - Heckman.

Ejercicio 1: Gastos Ambulatorios.

Retomar la base de datos del Ejercicio 2 del Problem Set 5. Ahora, se estimará un modelo de dos partes de Heckman. Estos modelos sirven para muestras autoseleccionadas. Se modela, explícitamente, la ecuación que determina la selección y la ecuación de interés. En este ejercicio, se pide estimar un modelo de Heckman para los gastos ambulatorios y comparar con las predicciones de un modelo Tobit.

Heckman (MLE):

Heckman selection model (regression model with sample selection)				S	of obs = elected = elected =	3,328 2,802 526
Log likelihood = -5836.219			Wald ch Prob >	· ,	288.88	
	Coefficient	Std. err.	Z	P> z	[95% conf.	interval]
lambexp	 					
age	.2119749	.0230072	9.21	0.000	.1668816	.2570682
female	.3481441	.0601142	5.79	0.000	.2303223	.4659658
educ	.018716	.0105473	1.77	0.076	0019563	.0393883
blhisp		.0596687	-3.66	0.000	3355199	101623
totchr		.0393324	13.73	0.000	.4628299	.61701
ins	•	.0510882	-0.59	0.557	1301182	.0701439
_cons	5.044056	.2281259	22.11	0.000	4.596938	5.491175
dambexp	+ 					
age	.0879359	.027421	3.21	0.001	.0341917	.14168
female	.6626649	.0609384	10.87	0.000	.5432278	.7821021
educ	.0619485	.0120295	5.15	0.000	.0383711	.0855258
blhisp	3639377	.0618734	-5.88	0.000	4852073	2426682
totchr	.7969518	.0711306	11.20	0.000	.6575383	.9363653
ins	.1701367	.0628711	2.71	0.007	.0469117	.2933618
income	.0027078	.0013168	2.06	0.040	.000127	.0052886
_cons	6760546	.1940288	-3.48	0.000	-1.056344	2957652
/athrho	+ 1313456	.1496292	-0.88	0.380	4246134	.1619222
/lnsigma	.2398173	.0144598	16.59	0.000	.2114767	.268158
rho	+ 1305955	.1470772			4008098	.1605217
sigma	•	.0183786			1.235501	1.307554
lambda		.1878698			5342072	.2022291
LR test of inc	dep. eqns. (rh	o = 0): chi	2(1) = 0.	. 91	Prob > chi	2 = 0.3406

Heckman (Two Step):

Heckman selection model two-step estimates (regression model with sample selection)				of obs = Selected = Monselected =	3,328 2,802 526	
				Wald ch	, ,	193.43
	Coefficient	Std. err.	Z	P> z	[95% conf.	interval]
lambexp						
age	.2024668	.0242202	8.36	0.000	.1549961	.2499374
female	.2921341	.0725756	4.03	0.000	.1498886	.4343796
educ	.0123889	.0115682	1.07	0.284	0102844	.0350622
blhisp	1828659	.0653449	-2.80	0.005	3109396	0547922
totchr	.5006332	.0485548	10.31	0.000	.4054675	.5957988
ins	0465097	.0529742	-0.88	0.380	1503373	.0573179
_cons	5.288927 	.288522	18.33	0.000	4.723435	5.85442
dambexp						
age		.0274556	3.16	0.002	.0330032	.1406272
female	.6635053	.0609648	10.88	0.000	.5440165	.7829941
educ		.012039	5.14	0.000	.038288	.0854801
blhisp	3657835	.0619095	-5.91	0.000	4871239	2444432
totchr	.7957496	.0712174	11.17	0.000	.656166	.9353332
ins	.169107	.0629296	2.69	0.007	.0457673	.2924467
income	.0026773	.0013105	2.04	0.041	.0001088	.0052458
_cons	6686471	.1941247	-3.44	0.001	-1.049125	2881698
/mills						
lambda	4637133	.2825997	-1.64	0.101	-1.017598	.090172
rho	-0.35907					
sigma	1.2914258					

Tobit:

Tobit regression				Numbe	r of obs	
Limits: Lower = Upper =					Uncensored eft-censored ght-censored	= 1
Log likelihood =	-4642.5217				i2(6) > chi2 > R2	= 596.53 = 0.0000 = 0.0604
lambexp	Coefficient	Std. err.	t	P> t	[95% conf.	interval]
female educ blhisp	.2172778 .3795502 .0221958 2384675 .5618619 0210413 4.908076	.0097527 .0551452 .0304802	7.82	0.000 0.000 0.023 0.000 0.000 0.674 0.000	.2843851 .0030726 346597 .502096 119006	.4747153 .0413191 1303381 .6216278 .0769234
var(e.lambexp)	1.608909	.0429988			1.526767	1.69547

Tabla comparativa:

	(1) Heckman (M~)	(2) Heckman (T~)	(3) Tobit
lambexp			
age	0.212*** (0.0230)	0.202*** (0.0242)	0.217** (0.0222)
female	0.348*** (0.0601)	0.292*** (0.0726)	0.380** (0.0485)
educ	0.0187* (0.0105)	0.0124 (0.0116)	0.0222** (0.00975)
blhisp	-0.219*** (0.0597)		-0.238** (0.0551)
totchr	0.540*** (0.0393)		0.562** (0.0305)
ins	-0.0300 (0.0511)	-0.0465 (0.0530)	-0.0210 (0.0500)
_cons	5.044*** (0.228)	5.289*** (0.289)	4.908** (0.168)
dambexp			
age	0.0879*** (0.0274)		
female	0.663*** (0.0609)	0.664*** (0.0610)	
educ	0.0619*** (0.0120)		
blhisp	-0.364*** (0.0619)	-0.366*** (0.0619)	
totchr	0.797*** (0.0711)	0.796*** (0.0712)	
ins	0.170*** (0.0629)		
income	0.00271** (0.00132)		
_cons	-0.676*** (0.194)	-0.669*** (0.194)	
/ athrho	-0.131 (0.150)		
lnsigma	0.240*** (0.0145)		
var(e.lamb~)			1.609**
/mills lambda		-0.464 (0.283)	
N pseudo R-sq	3328	3328	2802 0.060

Ejercicio 2: Ecuación Salarial para las Mujeres I.

Considerar la base de datos "womenwk.dta". Describir la base. Estimar una ecuación salarial en función de la educación y la edad por Mínimos Cuadrados Clásicos. Repetir utilizando un modelo de Heckman, utilizando las variables married, children, education y age para la ecuación de selección. Utilizar el comando heckman.

Descripción de la base:

Variable	1	Obs	Mean	Std. dev.	. Min	Max
county		2,000	4.5	2.873	0	9
age		2,000	36.208	8.28656	20	59
education		2,000	13.084	3.045912	10	20
married		2,000	.6705	.4701492	0	1
children		2,000	1.6445	1.398963	0	5
wage	1	1,343	23.69217	6.305374	5.88497	45.80979

□ ○ 1 1 12 T 7	1.12000	miccina	+	not	1.10 Y Z 1 Y C
HOULLV	waue,	missing,		110 L	WOIKING

Percentiles	Smallest		
9.728734	5.88497		
13.48302	6.739784		
15.69925	7.12612	Obs	1,343
19.30873	7.328383	Sum of wgt.	1,343
23.51122		Mean	23.69217
	Largest	Std. dev.	6.305374
28.05009	43.01642		
31.49893	43.97919	Variance	39.75775
33.98332	44.53403	Skewness	.1881963
40.34642	45.80979	Kurtosis	3.048037
	9.728734 13.48302 15.69925 19.30873 23.51122 28.05009 31.49893 33.98332	9.728734 5.88497 13.48302 6.739784 15.69925 7.12612 19.30873 7.328383 23.51122 Largest 28.05009 43.01642 31.49893 43.97919 33.98332 44.53403	9.728734 5.88497 13.48302 6.739784 15.69925 7.12612 Obs 19.30873 7.328383 Sum of wgt. 23.51122 Mean Largest Std. dev. 28.05009 43.01642 31.49893 43.97919 Variance 33.98332 44.53403 Skewness

OLS:

Source	SS	df	MS	Number of obs	s = =	2,000 140.75
Model Residual			17518.4271 124.468775	Prob > F R-squared Adj R-squarec	=	0.0000 0.1746 0.1734
Total	•	1,999	150.572765	Root MSE	=	11.157
wage	Coefficient	Std. err.	t :	P> t [95% d	conf.	interval]
age education married _cons	369376 1.024154 1.269777 -11.7165	.0324995 .0863307 .5790207 1.411936	11.86 2.19	0.000 .30563 0.000 .85484 0.028 .13422 0.000 -14.485	168 283	.4331124 1.193462 2.405325 -8.947476

Heckman (MLE):

Heckman selection model (regression model with sample selection)					of obs = Selected = Nonselected =	2,000 1,343 657
Log likelihood	d = -5178.289			Wald c		508.52 0.0000
	Coefficient	Std. err.	Z	P> z	[95% conf.	interval]
wage	 					
age		.0213504	9.94	0.000	.1702933	.2539852
education married		.0542321	18.22 0.18	0.000 0.860	.8818563 6704452	1.094442
cons	.4973339	1.07856	0.16	0.645	-1.616605	2.611273
	+					
dwage age	 .0364354	.0041745	8.73	0.000	.0282535	.0446174
education		.0107731	5.16	0.000	.0344585	.0766882
married		.072705	6.19	0.000	.3074898	.592488
children	.4385259	.0277979	15.78	0.000	.384043	.4930087
_cons	-2.489276	.1896044	-13.13	0.000	-2.860893	-2.117658
/athrho	+ .8753773	.1015349	8.62	0.000	.6763725	1.074382
/lnsigma		.0276367	64.87	0.000	1.738672	1.847006
rho	+	0511000			E001561	7011065
sigma	•	.0511989 .1659993			.5891561 5.689785	.7911065
lambda	4.22914	.3994723			3.446189	5.012092
LR test of indep. eqns. (rho = 0): chi2(1) = 60.72						2 = 0.0000
Heckman (Two	Sten):					
	o Step): tion model odel with samp				of obs = Selected = Nonselected =	2,000 1,343 657
Heckman select	tion model				Selected = Nonselected = hi2(3) =	1,343
Heckman select	tion model			Wald c	Selected = Nonselected = hi2(3) = chi2 =	1,343 657 442.08
Heckman select	tion model odel with samp	le selection	on)	Wald co	Selected = Nonselected = hi2(3) = chi2 =	1,343 657 442.08 0.0000
Heckman select	tion model odel with samp Coefficient	le selection	on)	Wald co	Selected = Nonselected = hi2(3) = chi2 =	1,343 657 442.08 0.0000
Heckman select (regression mo	tion model odel with samp Coefficient + .2108123 .9804939	Std. err0225447	9.35 17.94	Wald c: Prob > P> z	Selected = Nonselected = hi2(3) = chi2 = [95% conf	1,343 657 442.08 0.0000 interval] .254999 1.087628
Heckman select (regression mo	tion model odel with samp Coefficient	Std. err 0225447 .0546614 .3776478	9.35 17.94 0.23	Wald c: Prob > P> z 0.000 0.000 0.819	Selected = Nonselected = hi2(3) = chi2 = [95% conf1666255 .87335966537802	1,343 657 442.08 0.0000 interval]
Heckman select (regression mo	tion model odel with samp Coefficient	Std. err0225447	9.35 17.94	Wald c: Prob > P> z	Selected = Nonselected = hi2(3) = chi2 = [95% conf	1,343 657 442.08 0.0000 interval] .254999 1.087628
Heckman select (regression mo	tion model odel with samp Coefficient	Std. err 0225447 .0546614 .3776478	9.35 17.94 0.23	Wald c: Prob > P> z 0.000 0.000 0.819	Selected = Nonselected = hi2(3) = chi2 = [95% conf1666255 .87335966537802	1,343 657 442.08 0.0000 interval]
Wage education marriedconsdwage age age	tion model odel with samp Coefficient .2108123 .9804939 .0863959 .730021	Std. err0225447 .0546614 .3776478 1.249191	9.35 17.94 0.23 0.58	Wald c: Prob > P> z 0.000 0.000 0.819	Selected = Nonselected = hi2(3) = chi2 = [95% conf1666255 .87335966537802	1,343 657 442.08 0.0000 interval]
Wage education marriedconsdwage age education	tion model odel with samp Coefficient .2108123 .9804939 .0863959 .730021 .0347211 .0583645	Std. err0225447 .0546614 .3776478 1.249191	9.35 17.94 0.23 0.58	Wald c: Prob > P> z 0.000 0.000 0.819 0.559	Selected = Nonselected = hi2(3) = chi2 = [95% conf1666255 .87335966537802 -1.7183490264318 .0368555	1,343 657 442.08 0.0000 interval] .254999 1.087628 .826572 3.178391 .0430105 .0798735
Wage education marriedconsdwage education marriedconsdwage education married	tion model odel with samp Coefficient .2108123 .9804939 .0863959 .730021 .0347211 .0583645 .4308575	Std. err0225447 .0546614 .3776478 1.2491910042293 .0109742 .074208	9.35 17.94 0.23 0.58 	Wald ci Prob > P> z 0.000 0.000 0.819 0.559	Selected = Nonselected = hi2(3) = chi2 = [95% conf1666255 .87335966537802 -1.7183490264318 .0368555 .2854125	1,343 657 442.08 0.0000 interval]
Heckman select (regression mode) wage age education married _cons dwage education married children	ction model odel with samp Coefficient .2108123 .9804939 .0863959 .730021 .0347211 .0583645 .4308575 .4473249	Std. err. .0225447 .0546614 .3776478 1.2491910042293 .0109742 .074208 .0287417	9.35 17.94 0.23 0.58 	Wald ci Prob > P> z 0.000 0.000 0.819 0.559 0.000 0.000 0.000 0.000	Selected = Nonselected = hi2(3) = chi2 = [95% conf. .1666255 .87335966537802 -1.7183490264318 .0368555 .2854125 .3909922	1,343 657 442.08 0.0000 interval] .254999 1.087628 .826572 3.178391 .0430105 .0798735 .5763025 .5036576
Wage education marriedconsdwage education marriedconsdwage education married	ction model odel with samp Coefficient .2108123 .9804939 .0863959 .730021 .0347211 .0583645 .4308575 .4473249	Std. err. .0225447 .0546614 .3776478 1.249191	9.35 17.94 0.23 0.58 	Wald ci Prob > P> z 0.000 0.000 0.819 0.559	Selected = Nonselected = hi2(3) = chi2 = [95% conf1666255 .87335966537802 -1.7183490264318 .0368555 .2854125	1,343 657 442.08 0.0000 interval]
Heckman select (regression mode) wage age education married _cons dwage education married children	ction model odel with samp Coefficient .2108123 .9804939 .0863959 .730021 .0347211 .0583645 .4308575 .4473249	Std. err. .0225447 .0546614 .3776478 1.2491910042293 .0109742 .074208 .0287417	9.35 17.94 0.23 0.58 	Wald ci Prob > P> z 0.000 0.000 0.819 0.559 0.000 0.000 0.000 0.000	Selected = Nonselected = hi2(3) = chi2 = [95% conf. .1666255 .87335966537802 -1.7183490264318 .0368555 .2854125 .3909922	1,343 657 442.08 0.0000 interval] .254999 1.087628 .826572 3.178391 .0430105 .0798735 .5763025 .5036576
Wage education married _cons dwage education married _cons dwage education married children _cons	ction model pdel with samp Coefficient .2108123 .9804939 .0863959 .730021 .0347211 .0583645 .4308575 .4473249 -2.467365	Std. err. .0225447 .0546614 .3776478 1.2491910042293 .0109742 .074208 .0287417 .1925635	9.35 17.94 0.23 0.58 	Wald ci Prob > P> z 0.000 0.000 0.819 0.559 0.000 0.000 0.000 0.000	Selected = Nonselected = hi2(3) = chi2 = [95% conf. .1666255 .87335966537802 -1.7183490264318 .0368555 .2854125 .3909922 -2.844782	1,343 657 442.08 0.0000 interval] .254999 1.087628 .826572 3.178391 .0430105 .0798735 .5763025 .5036576
Wage age education married _cons dwage age education married children _cons /mills	Coefficient 	Std. err. .0225447 .0546614 .3776478 1.2491910042293 .0109742 .074208 .0287417 .1925635	9.35 17.94 0.23 0.58 	Wald ci Prob > P> z 0.000 0.000 0.819 0.559 0.000 0.000 0.000 0.000	Selected = Nonselected = hi2(3) = chi2 = [95% conf. .1666255 .87335966537802 -1.7183490264318 .0368555 .2854125 .3909922 -2.844782	1,343 657 442.08 0.0000 interval]

Tabla comparativa:

		(2)	(3)
	OLS	Heckman (M~)	Heckman (T~)
main age	0.369*** (0.0325)	0.212*** (0.0214)	0.211*** (0.0225)
education	1.024*** (0.0863)	0.988*** (0.0542)	0.980*** (0.0547)
married	1.270** (0.579)	0.0663 (0.376)	0.0864 (0.378)
_cons	-11.72*** (1.412)	0.497 (1.079)	0.730 (1.249)
dwage age	·	0.0364***	0.0347*** (0.00423)
education		0.0556*** (0.0108)	0.0584*** (0.0110)
married		0.450*** (0.0727)	0.431*** (0.0742)
children		0.439*** (0.0278)	0.447*** (0.0287)
_cons		-2.489*** (0.190)	-2.467*** (0.193)
/			
athrho		0.875*** (0.102)	
lnsigma		1.793*** (0.0276)	
/mills lambda			4.021*** (0.613)
N R-sq	2000 0.175	2000	2000
Standard erro	rs in parenthese	 :s	

Standard errors in parentheses * p<0.10, ** p<0.05, *** p<0.01

Ejercicio 3: Ecuación Salarial para las Mujeres II.

Conceptualmente, se va a repetir el ejercicio anterior utilizando la base de datos "mroz.dta" que ya se ha utilizado. Ahora, se pide modelar, explícitamente, la ecuación de selección con un Probit y la ecuación estructural con un modelo lineal aumentada por la inversa del ratio de Mills. Reportar el efecto marginal sobre las horas trabajadas, correctamente, estimado.

OLS:

Source	SS	df	MS		of obs	=	753 33.05
Model Residual	119885614 451024110	6 746	19980935.6 604589.96	R-squa	F red	= =	0.0000 0.2100 0.2036
Total	570909724	752	759188.463	_	squared ISE	=	777.55
hours	Coefficient	Std. err.	t :	 P> t 	[95% con:	 f.	interval]
kidsge6 age educ exper nwifeinc expersq _cons	-13.56954 -17.10219 23.9582 74.12513 -4.336964 9264192 656.2857	23.87531 4.127445 13.41096 10.26049 2.633972 .3349462 264.8041	-4.14 1.79 7.22 -1.65 -2.77	0.570 0.000 0.074 0.000 0.100 0.006 0.013	-60.44032 -25.20499 -2.369512 53.98227 -9.507843 -1.583968 136.4358		33.30125 -8.999404 50.28591 94.268 .833916 2688699 1176.136

Heckman (Two Step):

Heckman selection model two-step estimates (regression model with sample selection)				of obs = Selected = Jonselected =	753 428 325	
					ni2(6) = chi2 =	26.17 0.0002
	Coefficient	Std. err.	Z	P> z	[95% conf.	interval]
hours	 					
kidsge6	-83.74795	33.16153	-2.53	0.012	-148.7433	-18.75256
age	-2.839866	6.990271	-0.41	0.685	-16.54054	10.86081
educ	-63.81931	21.02964	-3.03	0.002	-105.0366	-22.60196
exper	6.070658	21.16833	0.29	0.774	-35.4185	47.55982
nwifeinc	4.458736	4.03176	1.11	0.269	-3.443369	12.36084
expersq		.5265464	0.26	0.796	896155	1.167869
_cons	2477.33	425.3662	5.82	0.000	1643.627	3311.032
dhours	 					
kidsge6	.036005	.0434768	0.83	0.408	049208	.1212179
age	0528527	.0084772	-6.23	0.000	0694678	0362376
educ	.1309047	.0252542	5.18	0.000	.0814074	.180402
exper	.1233476	.0187164	6.59	0.000	.0866641	.1600311
nwifeinc	0120237	.0048398	-2.48	0.013	0215096	0025378
expersq	0018871	.0006	-3.15	0.002	003063	0007111
kidslt6	8683285	.1185223	-7.33	0.000	-1.100628	636029
_cons	.2700768	.508593	0.53	0.595	7267473	1.266901
/mills	 					 _
lambda	-621.8712	199.0294	-3.12	0.002	-1011.962	-231.7808
rho	-0.74244					 _
sigma	837.60041					

Tabla comparativa:

	(1) OLS	(2) Heckman (T~)
main		
kidsge6	-13.57 (23.88)	-83.75** (33.16)
age	-17.10*** (4.127)	-2.840 (6.990)
educ	23.96* (13.41)	-63.82** (21.03)
exper	74.13*** (10.26)	6.071 (21.17)
nwifeinc	-4.337 (2.634)	4.459 (4.032)
expersq	-0.926*** (0.335)	0.136 (0.527)
_cons	656.3** (264.8)	2477.3** (425.4)
 dhours		
kidsge6		0.0360 (0.0435)
age		-0.0529** (0.00848)
educ		0.131** (0.0253)
exper		0.123** (0.0187)
nwifeinc		-0.0120** (0.00484)
expersq		-0.00189** (0.000600)
kidslt6		-0.868** (0.119)
_cons		0.270 (0.509)
/mills lambda		-621.9** (199.0)
 N R-sq	753 0.210	753

Efectos marginales (promedio) con censura en Heckman (Two Step):

Average marginal effects Number of obs = 753

Model VCE: Conventional

Expression: E(hours*|hours>0), predict(ystar(0,.))

dy/dx wrt: kidsge6 age educ exper nwifeinc expersq kidslt6

	dy/dx	Delta-method std.err.	Z	P> z	[95% conf.	interval]
kidsge6 age educ exper nwifeinc expersq kidslt6	-81.38955 -2.759893 -62.02211 5.899704 4.333175 .132031 0	32.34639 6.777967 20.76646 20.52631 3.931451 .5124218 (omitted)	-2.52 -0.41 -2.99 0.29 1.10 0.26	0.012 0.684 0.003 0.774 0.270 0.797	-144.7873 -16.04446 -102.7236 -34.33112 -3.372327 8722971	-17.99179 10.52468 -21.32059 46.13052 12.03868 1.136359

Efectos marginales (promedio) con truncamiento en Heckman (Two Step):

Average marginal effects Number of obs = 753

Model VCE: Conventional

Expression: E(hours|hours>0), predict(e(0,.))

dy/dx wrt: kidsge6 age educ exper nwifeinc expersq kidslt6

	dy/dx	Delta-method std. err.	Z	P> z	[95% conf.	interval]
kidsge6 age educ exper nwifeinc expersq kidslt6	-73.14433 -2.4803 -55.73892 5.302031 3.894199 .1186556	29.50712 6.058449 19.50195 18.34814 3.565572 .4620408 (omitted)	-2.48 -0.41 -2.86 0.29 1.09 0.26	0.013 0.682 0.004 0.773 0.275 0.797	-130.9772 -14.35464 -93.96204 -30.65967 -3.094194 7869278	-15.31144 9.394042 -17.5158 41.26373 10.88259 1.024239

Efectos marginales (condicionales) con censura en Heckman (Two Step):

```
Conditional marginal effects
                                                                                 Number of obs = 753
Model VCE: Conventional
Expression: E(hours*|hours>0), predict(ystar(0,.))
dy/dx wrt: kidsge6 age educ exper nwifeinc expersq kidslt6
At: kidsge6 = 1.353254  (mean)
     age = 42.53785 (mean)
     educ = 12.28685 (mean)
exper = 10.63081 (mean)
     nwifeinc = 20.12896  (mean)
     expersq = 178.0385 (mean)
     kidslt6 = .2377158  (mean)
                                 Delta-method
                                                       z P>|z|
                          dy/dx std.err.
                                                                              [95% conf. interval]
                 kidsge6 | -81.62997 32.48895 -2.51 0.012 -145.3071 -17.9528

age | -2.768046 6.79893 -0.41 0.684 -16.0937 10.55761

educ | -62.20532 20.85318 -2.98 0.003 -103.0768 -21.33383

exper | 5.917131 20.58963 0.29 0.774 -34.4378 46.27207

nwifeinc | 4.345974 3.9435 1.10 0.270 -3.383144 12.07509

expersq | .1324211 .5138982 0.26 0.797 -.8748009 1.139643

kidslt6 | 0 (omitted)
```

Efectos marginales (condicionales) con truncamiento en Heckman (Two Step):

Number of obs = 753Conditional marginal effects Model VCE: Conventional

Expression: E(hours|hours>0), predict(e(0,.))

dy/dx wrt: kidsge6 age educ exper nwifeinc expersq kidslt6

At: kidsge6 = 1.353254 (mean) age = 42.53785 (mean) educ = 12.28685 (mean) exper = 10.63081 (mean) nwifeinc = 20.12896 (mean)expersq = 178.0385 (mean) kidslt6 = .2377158 (mean)

 	dy/dx	Delta-method std. err.	Z	P> z	[95% conf.	interval]
kidsge6 age educ exper nwifeinc expersq kidslt6	-73.52816 -2.493316 -56.03141 5.329854 3.914635 .1192782	29.74524 6.090065 19.67987 18.4439 3.586477 .4644865 (omitted)	-2.47 -0.41 -2.85 0.29 1.09 0.26	0.013 0.682 0.004 0.773 0.275 0.797	-131.8278 -14.42962 -94.60325 -30.81952 -3.114731 7910986	-15.22856 9.442992 -17.45957 41.47923 10.944 1.029655