

ANEXO III – Estimação paramétrica

```

log: C:\Documents and Settings\Isa\Os meus documentos\Doutoramento\Estima
> ção\Modelos paramétricos.smcl
log type: smcl
opened on: 20 Nov 2005, 09:51:51
. use "C:\Documents and Settings\Isa\Os meus
documentos\Doutoramento\Estimação\Da
> dos1.dta", clear
. streg lnaagr cpropat inform res idade exp escol macaagr rend1 rend2 cons sust v
> aried tinst, dist(exponential) nohr robust

```

```

failure _d: adop
analysis time _t: tempo

```

```

Iteration 0: log pseudo-likelihood = -96.565644
Iteration 1: log pseudo-likelihood = -77.637893
Iteration 2: log pseudo-likelihood = -72.112671
Iteration 3: log pseudo-likelihood = -71.972155
Iteration 4: log pseudo-likelihood = -71.971618
Iteration 5: log pseudo-likelihood = -71.971618

```

Exponential regression -- log relative-hazard form

```

No. of subjects   =      64      Number of obs   =      64
No. of failures   =      35
Time at risk      =      783
Wald chi2(14)    =    146.56
Log pseudo-likelihood = -71.971618      Prob > chi2    =    0.0000

```

		Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
_t							
lnaagr		.6197507	.257851	2.40	0.016	.1143719	1.125129
cpropat		-.0007115	.0073084	-0.10	0.922	-.0150356	.0136126
inform		.236642	.1084137	2.18	0.029	.0241551	.4491288
res		.0922524	1.05569	0.09	0.930	-1.976862	2.161367
idade		-.0447414	.0257619	-1.74	0.082	-.0952338	.005751
exp		.016327	.0239795	0.68	0.496	-.0306719	.0633259
escol		.0407752	.0506453	0.81	0.421	-.0584878	.1400381
macaagr		.0265969	.0067854	3.92	0.000	.0132978	.0398961
rend1		.4405336	.5466808	0.81	0.420	-.6309412	1.512008
rend2		.3306745	.4927242	0.67	0.502	-.6350473	1.296396
cons		.5509238	.4347508	1.27	0.205	-.3011721	1.40302
sust		.6959425	1.955325	0.36	0.722	-3.136425	4.528309
varied		1.294238	2.090044	0.62	0.536	-2.802174	5.39065
tinst		-.0378715	.0225279	-1.68	0.093	-.0820255	.0062824
_cons		-5.784431	2.722511	-2.12	0.034	-11.12045	-.4484074

```
. streg lnaagr cpropat inform res idade exp escol macaagr rend1 rend2 cons sust v
> aried tinst, dist(weibull) nohr robust
```

```
failure _d: adop
analysis time _t: tempo
```

Fitting constant-only model:

```
Iteration 0: log pseudo-likelihood = -96.565644
Iteration 1: log pseudo-likelihood = -94.1116
Iteration 2: log pseudo-likelihood = -94.080598
Iteration 3: log pseudo-likelihood = -94.080593
```

Fitting full model:

```
Iteration 0: log pseudo-likelihood = -94.080593
Iteration 1: log pseudo-likelihood = -77.246666
Iteration 2: log pseudo-likelihood = -72.042159
Iteration 3: log pseudo-likelihood = -71.792171
Iteration 4: log pseudo-likelihood = -71.79078
Iteration 5: log pseudo-likelihood = -71.79078
```

Weibull regression -- log relative-hazard form

```
No. of subjects    =      64      Number of obs   =      64
No. of failures    =      35
Time at risk       =      783
Wald chi2(14)     =    73.03
Log pseudo-likelihood = -71.79078   Prob > chi2    =    0.0000
```

_t	Robust		z	P> z	[95% Conf. Interval]	
	Coef.	Std. Err.				
-----+-----						
lnaagr	.6278263	.2628975	2.39	0.017	.1125566	1.143096
cpropat	-.0007474	.0075913	-0.10	0.922	-.0156261	.0141312
inform	.2515841	.1155954	2.18	0.030	.0250213	.4781468
res	.1101353	1.158644	0.10	0.924	-2.160765	2.381035
idade	-.048314	.030547	-1.58	0.114	-.108185	.0115569
exp	.0175823	.0254381	0.69	0.489	-.0322755	.0674401
escol	.0412968	.0524942	0.79	0.431	-.0615898	.1441835
macaagr	.027754	.0072645	3.82	0.000	.0135158	.0419921
rend1	.4474378	.569493	0.79	0.432	-.668748	1.563624
rend2	.3370218	.5145077	0.66	0.512	-.6713947	1.345438
cons	.5815038	.4743079	1.23	0.220	-.3481226	1.51113
sust	.7413425	2.053934	0.36	0.718	-3.284293	4.766978
varied	1.302866	2.167618	0.60	0.548	-2.945588	5.55132
tinst	-.0437708	.0291743	-1.50	0.134	-.1009514	.0134098
_cons	-5.95654	2.825621	-2.11	0.035	-11.49466	-.418424

/ln_p		.0905972	.159845	0.57	0.571	-.2226932	.4038876
p		1.094828	.1750027			.8003604	1.497636
1/p		.9133855	.1460001			.6677192	1.249437

```
.
. streg lnaagr cpropat inform res idade exp escol macaagr rend1 rend2 cons sust v
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```

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Exponential regression -- log relative-hazard form

```
No. of subjects      =      64      Number of obs   =      64
No. of failures      =      35
Time at risk        =      783
Wald chi2(14)       =    146.56
Log pseudo-likelihood = -71.971618      Prob > chi2    =    0.0000
```

_t		Haz. Ratio	Robust Std. Err.	z	P> z	[95% Conf. Interval]
lnaagr		1.858465	.479207	2.40	0.016	1.121169 3.080615
cpropat		.9992888	.0073032	-0.10	0.922	.9850769 1.013706
inform		1.266987	.1373587	2.18	0.029	1.024449 1.566946
res		1.096642	1.157713	0.09	0.930	.1385032 8.682996
idade		.9562447	.0246347	-1.74	0.082	.9091604 1.005768
exp		1.016461	.0243742	0.68	0.496	.9697937 1.065374
escol		1.041618	.0527531	0.81	0.421	.9431897 1.150318
macaagr		1.026954	.0069683	3.92	0.000	1.013387 1.040703
rend1		1.553536	.8492883	0.81	0.420	.5320908 4.535831
rend2		1.391907	.6858261	0.67	0.502	.5299104 3.656097
cons		1.734855	.7542296	1.27	0.205	.7399504 4.067464
sust		2.005598	3.921597	0.36	0.722	.0434378 92.60188
varied		3.648215	7.624932	0.62	0.536	.060678 219.3459
tinst		.9628366	.0216907	-1.68	0.093	.9212485 1.006302

```
. streg lnaagr cpropat inform res idade exp escol macaagr rend1 rend2 cons sust v
```

> aried tinst, dist(weibull) robust

failure _d: adop
analysis time _t: tempo

Fitting constant-only model:

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Weibull regression -- log relative-hazard form

No. of subjects = 64 Number of obs = 64
No. of failures = 35
Time at risk = 783
Wald chi2(14) = 73.03
Log pseudo-likelihood = -71.79078 Prob > chi2 = 0.0000

_t	Haz. Ratio	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
lnaagr	1.873534	.4925473	2.39	0.017	1.119136	3.136464
cpropat	.9992528	.0075856	-0.10	0.922	.9844954	1.014232
inform	1.286061	.1486627	2.18	0.030	1.025337	1.613082
res	1.116429	1.293544	0.10	0.924	.115237	10.81609
idade	.9528345	.0291062	-1.58	0.114	.8974616	1.011624
exp	1.017738	.0258893	0.69	0.489	.9682398	1.069766
escol	1.042161	.0547074	0.79	0.431	.9402685	1.155096
macaagr	1.028143	.007469	3.82	0.000	1.013608	1.042886
rend1	1.564299	.8908574	0.79	0.432	.5123496	4.776097
rend2	1.40077	.7207067	0.66	0.512	.5109954	3.839869
cons	1.788726	.8484071	1.23	0.220	.7060123	4.53185
sust	2.098751	4.310696	0.36	0.718	.0374671	117.5635
varied	3.679828	7.976463	0.60	0.548	.0525712	257.5773
tinst	.9571733	.0279249	-1.50	0.134	.903977	1.0135
-----+-----						
/ln_p	.0905972	.159845	0.57	0.571	-.2226932	.4038876
-----+-----						

p	1.094828	.1750027	.8003604	1.497636
1/p	.9133855	.1460001	.6677192	1.249437

```
.
. save "C:\Documents and Settings\Isa\Os meus
documentos\Doutoramento\Estimação\D
> ados1.dta", replace
file C:\Documents and Settings\Isa\Os meus
documentos\Doutoramento\Estimação\Dado
> s1.dta saved

. log close
   log: C:\Documents and Settings\Isa\Os meus documentos\Doutoramento\Estima
> ção\Modelos paramétricos.smcl
   log type: smcl
   closed on: 20 Nov 2005, 09:52:09
```
