Obs	ID	NOJ	TSTART	TFIN	SEX	TI	TB	TE	TMAR	PRES	PRESN	EDU	durata	des	anno1
1	1	1	555	982	1	982	351	555	679	34	-1	17	428	0	1929.17
2	1	1	555	982	1	982	351	555	679	34	-1	17	428	0	1929.17
3	1	1	555	982	1	982	351	555	679	34	-1	17	428	0	1929.17
4	1	1	555	982	1	982	351	555	679	34	-1	17	428	0	1929.17
5	1	1	555	982	1	982	351	555	679	34	-1	17	428	0	1929.17
6	1	1	555	982	1	982	351	555	679	34	-1	17	428	0	1929.17
7	1	1	555	982	1	982	351	555	679	34	-1	17	428	0	1929.17
8	1	1	555	982	1	982	351	555	679	34	-1	17	428	0	1929.17
9	1	1	555	982	1	982	351	555	679	34	-1	17	428	0	1929.17
10	2	1	593	638	2	982	357	593	762	22	46	10	46	1	1929.67
11	2	1	593	638	2	982	357	593	762	22	46	10	46	1	1929.67
12	2	1	593	638	2	982	357	593	762	22	46	10	46	1	1929.67
13	2	1	593	638	2	982	357	593	762	22	46	10	46	1	1929.67
14	2	2	639	672	2	982	357	593	762	46	46	10	34	1	1929.67
15	2	2	639	672	2	982	357	593	762	46	46	10	34	1	1929.67

Obs	anno2	coorte	coho2	coho3	pnoj	lfx	n	j	tempo	evento
1	1929	1	0	0	0	0	9	1	12	0
2	1929	1	0	0	0	0	9	2	12	0
3	1929	1	0	0	0	0	9	3	12	0
4	1929	1	0	0	0	0	9	4	12	0
5	1929	1	0	0	0	0	9	5	12	0
6	1929	1	0	0	0	0	9	6	12	0
7	1929	1	0	0	0	0	9	7	12	0
8	1929	1	0	0	0	0	9	8	12	0
9	1929	1	0	0	0	0	9	9	332	0
10	1929	1	0	0	0	0	4	1	12	0
11	1929	1	0	0	0	0	4	2	12	0
12	1929	1	0	0	0	0	4	3	12	0
13	1929	1	0	0	0	0	4	4	10	1
14	1929	1	0	0	1	46	3	1	12	0
15	1929	1	0	0	1	46	3	2	12	0

“stima esponenziale a pezzi senza covariate”

The LIFEREG Procedure

Model Information	
Data Set	WORK.N
Dependent Variable	Log(tempo)
Censoring Variable	evento
Censoring Value(s)	0
Number of Observations	2715
Noncensored Values	458
Right Censored Values	2257
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	9
Name of Distribution	Exponential
Log Likelihood	-1556.506161

Number of Observations Read	2715
Number of Observations Used	2715

Class Level Information		
Name	**Levels**	**Values**
j	9	1 2 3 4 5 6 7 8 9

Fit Statistics	
-2 Log Likelihood	3113.012
AIC (smaller is better)	3131.012
AICC (smaller is better)	3131.079
BIC (smaller is better)	3184.171

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	4930.085
Exponential AIC (smaller is better)	4948.085
Exponential AICC (smaller is better)	4948.152
Exponential BIC (smaller is better)	5001.244

Algorithm converged.

“stima esponenziale a pezzi senza covariate”

The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
j	8	87.1276	<.0001

Analysis of Maximum Likelihood Parameter Estimates								
Parameter		DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept		1	5.2239	0.1231	4.9826	5.4651	1801.06	<.0001
j	1	1	-0.8638	0.1632	-1.1837	-0.5438	28.00	<.0001
j	2	1	-1.1609	0.1606	-1.4756	-0.8461	52.25	<.0001
j	3	1	-1.3034	0.1649	-1.6267	-0.9802	62.46	<.0001
j	4	1	-0.8108	0.2004	-1.2035	-0.4180	16.37	<.0001
j	5	1	-1.0044	0.1989	-1.3941	-0.6146	25.51	<.0001
j	6	1	-0.6656	0.2384	-1.1328	-0.1984	7.80	0.0052
j	7	1	-0.2282	0.3034	-0.8229	0.3665	0.57	0.4520
j	8	1	-0.0483	0.3393	-0.7134	0.6168	0.02	0.8868
j	9	0	0.0000	.	.	.	.	.
Scale		0	1.0000	0.0000	1.0000	1.0000		
Weibull Shape		0	1.0000	0.0000	1.0000	1.0000		

Lagrange Multiplier Statistics		
Parameter	Chi-Square	Pr > ChiSq
Scale	22.2190	<.0001

“stima esponenziale a pezzi con covariate”

The LIFEREG Procedure

Model Information	
Data Set	WORK.N
Dependent Variable	Log(tempo)
Censoring Variable	evento
Censoring Value(s)	0
Number of Observations	2715
Noncensored Values	458
Right Censored Values	2257
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	15
Name of Distribution	Exponential
Log Likelihood	-1519.383956

Number of Observations Read	2715
Number of Observations Used	2715

Class Level Information		
Name	**Levels**	**Values**
j	9	1 2 3 4 5 6 7 8 9

Fit Statistics	
-2 Log Likelihood	3038.768
AIC (smaller is better)	3068.768
AICC (smaller is better)	3068.946
BIC (smaller is better)	3157.366

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	4855.841
Exponential AIC (smaller is better)	4885.841
Exponential AICC (smaller is better)	4886.018
Exponential BIC (smaller is better)	4974.439

Algorithm converged.

“stima esponenziale a pezzi con covariate”

The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
EDU	1	6.5308	0.0106
coho2	1	15.7155	<.0001
coho3	1	8.2615	0.0040
lfx	1	16.0293	<.0001
pnoj	1	1.8173	0.1776
PRES	1	21.3058	<.0001
j	8	71.0009	<.0001

Analysis of Maximum Likelihood Parameter Estimates								
Parameter		DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept		1	4.9517	0.2899	4.3835	5.5198	291.78	<.0001
EDU		1	-0.0636	0.0249	-0.1124	-0.0148	6.53	0.0106
coho2		1	-0.4572	0.1153	-0.6833	-0.2312	15.72	<.0001
coho3		1	-0.3521	0.1225	-0.5922	-0.1120	8.26	0.0040
lfx		1	0.0037	0.0009	0.0019	0.0055	16.03	<.0001
pnoj		1	-0.0596	0.0442	-0.1462	0.0270	1.82	0.1776
PRES		1	0.0253	0.0055	0.0146	0.0360	21.31	<.0001
j	1	1	-0.6989	0.1683	-1.0288	-0.3690	17.24	<.0001
j	2	1	-1.0350	0.1649	-1.3582	-0.7117	39.38	<.0001
j	3	1	-1.2127	0.1686	-1.5431	-0.8823	51.76	<.0001
j	4	1	-0.7307	0.2033	-1.1291	-0.3323	12.92	0.0003
j	5	1	-0.9417	0.2013	-1.3363	-0.5472	21.89	<.0001
j	6	1	-0.6277	0.2402	-1.0984	-0.1569	6.83	0.0090
j	7	1	-0.1792	0.3046	-0.7763	0.4178	0.35	0.5563
j	8	1	-0.0110	0.3403	-0.6780	0.6561	0.00	0.9743
j	9	0	0.0000	.	.	.	.	.
Scale		0	1.0000	0.0000	1.0000	1.0000		
Weibull Shape		0	1.0000	0.0000	1.0000	1.0000		

Lagrange Multiplier Statistics		
Parameter	Chi-Square	Pr > ChiSq
Scale	23.3344	<.0001