

```
Data example;  
input survtime censcode;  
cards;  
4.5 1  
7.5 1  
8.5 0  
11.5 1  
13.5 0  
15.5 1  
16.5 1  
17.5 0  
19.5 1  
21.5 0  
;  
Proc lifetest;  
time survtime*censcode(0);  
run;
```

### The LIFETEST Procedure

Product-Limit Survival Estimates					
survtime	Survival	Failure	Survival Standard Error	Number Failed	Number Left
0.0000	1.0000	0	0	0	10
4.5000	0.9000	0.1000	0.0949	1	9
7.5000	0.8000	0.2000	0.1265	2	8
8.5000 *	.	.	.	2	7
11.5000	0.6857	0.3143	0.1515	3	6
13.5000 *	.	.	.	3	5
15.5000	0.5486	0.4514	0.1724	4	4
16.5000	0.4114	0.5886	0.1756	5	3
17.5000 *	.	.	.	5	2
19.5000	0.2057	0.7943	0.1699	6	1
21.5000 *	.	.	.	6	0

Note: The marked survival times are censored observations.

### Summary Statistics for Time Variable survtime

Quartile Estimates				
Percent	Point Estimate	95% Confidence Interval		
		Transform	[Lower	Upper]
75	19.5000	LOGLOG	15.5000	.
50	16.5000	LOGLOG	4.5000	.
25	11.5000	LOGLOG	4.5000	16.5000

Mean	Standard Error
14.9257	1.8364

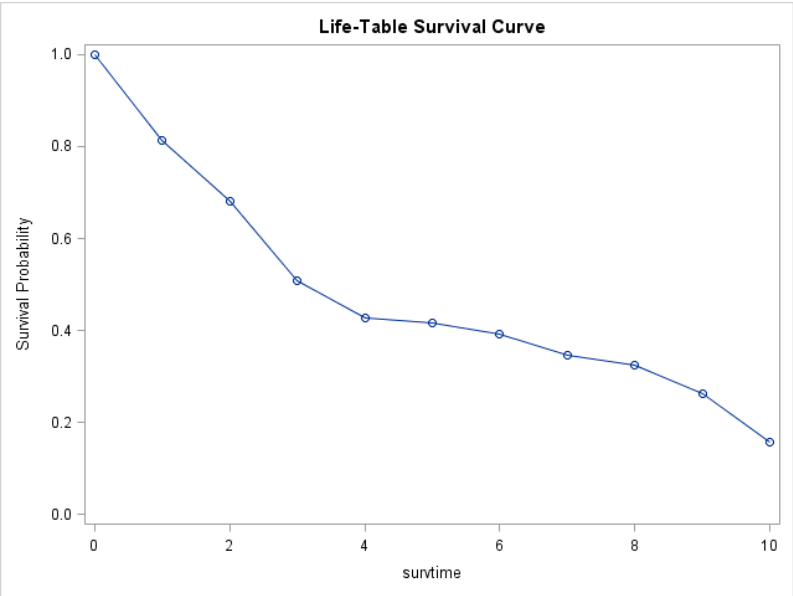
Note: The mean survival time and its standard error were underestimated because the largest observation was censored and the estimation was restricted to the largest event time.

Summary of the Number of Censored and Uncensored Values			
Total	Failed	Censored	Percent Censored
10	6	4	40.00

```
options ls=72 ps=60;
Data mi;
input survtime number status;
cards;
0 27 1
0 3 0
1 18 1
1 10 0
2 21 1
2 10 0
3 9 1
3 3 0
4 1 1
4 3 0
5 2 1
5 11 0
6 3 1
6 5 0
7 1 1
7 8 0
8 2 1
8 1 0
9 2 1
9 6 0
;
proc lifetest method=life intervals=(0 to 10 by 1);
time survtime*status(0);
freq number;
run;
```

The SAS System  
The LIFETEST Procedure

Life Table Survival Estimates															
Interval		Number Failed	Number Censored	Effective Sample Size	Conditional Probability of Failure	Conditional Probability Standard Error	Survival	Failure	Survival Standard Error	Median Residual Lifetime	Median Standard Error	Evaluated at the Midpoint of the Interval			
[Lower,	Upper)											PDF	PDF Standard Error	Hazard	Hazard Standard Error
0	1	27	3	144.5	0.1869	0.0324	1.0000	0	0	3.1080	0.5040	0.1869	0.0324	0.206107	0.039454
1	2	18	10	111.0	0.1622	0.0350	0.8131	0.1869	0.0324	4.4265	1.6443	0.1319	0.0289	0.176471	0.041432
2	3	21	10	83.0	0.2530	0.0477	0.6813	0.3187	0.0393	5.2870	1.7247	0.1724	0.0340	0.289655	0.062542
3	4	9	3	55.5	0.1622	0.0495	0.5089	0.4911	0.0438	6.0835	0.3244	0.0825	0.0262	0.176471	0.058594
4	5	1	3	43.5	0.0230	0.0227	0.4264	0.5736	0.0445	5.4753	0.3070	0.00980	0.00974	0.023256	0.023254
5	6	2	11	35.5	0.0563	0.0387	0.4166	0.5834	0.0446	4.5219	0.3320	0.0235	0.0163	0.057971	0.040974
6	7	3	5	25.5	0.1176	0.0638	0.3931	0.6069	0.0450	3.6333	0.3697	0.0462	0.0256	0.125	0.072028
7	8	1	8	16.0	0.0625	0.0605	0.3469	0.6531	0.0470	2.8529	0.4118	0.0217	0.0212	0.064516	0.064483
8	9	2	1	10.5	0.1905	0.1212	0.3252	0.6748	0.0488	1.9559	0.4765	0.0619	0.0405	0.210526	0.148038
9	10	2	6	5.0	0.4000	0.2191	0.2632	0.7368	0.0558	.	.	0.1053	0.0618	0.5	0.342327
10	.	0	0	0.0	0	0	0.1579	0.8421	0.0667	.	.	.	.	.	.



Summary of the Number of Censored and Uncensored Values			
Total	Failed	Censored	Percent Censored
146	86	60	41.10