1.

Time	Beg. Total	Fail	Net Lost	Survivor Function	Std. Error	[95% Conf.	Int.]
1.2	6	1	0	0.8333	0.1521	0.2731	0.9747
3.4	5	1	0	0.6667	0.1925	0.1946	0.9044
5	4	0	1	0.6667	0.1925	0.1946	0.9044
5.1	3	1	0	0.4444	0.2222	0.0662	0.7849
6.1	2	1	0	0.2222	0.1925	0.0096	0.6147
7.1	1	1	0	0.0000	.	.	.

Table 1.1 Survival Analysis for male

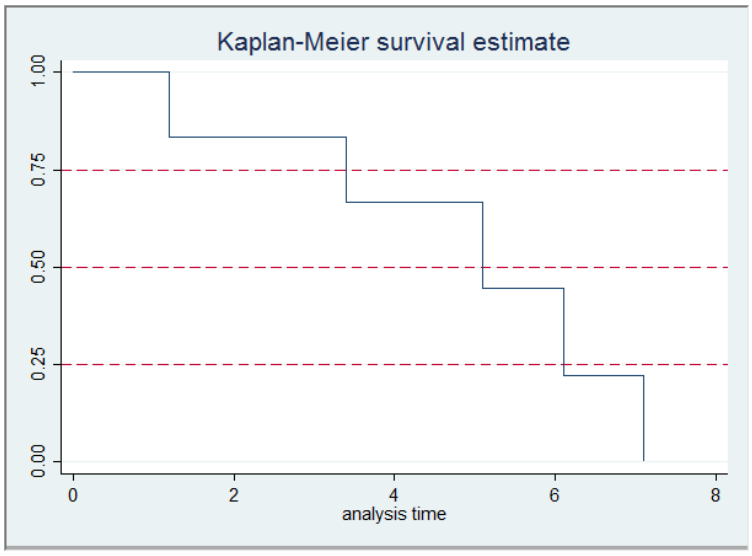

Table 1.1-2 Survival analysis graph for male

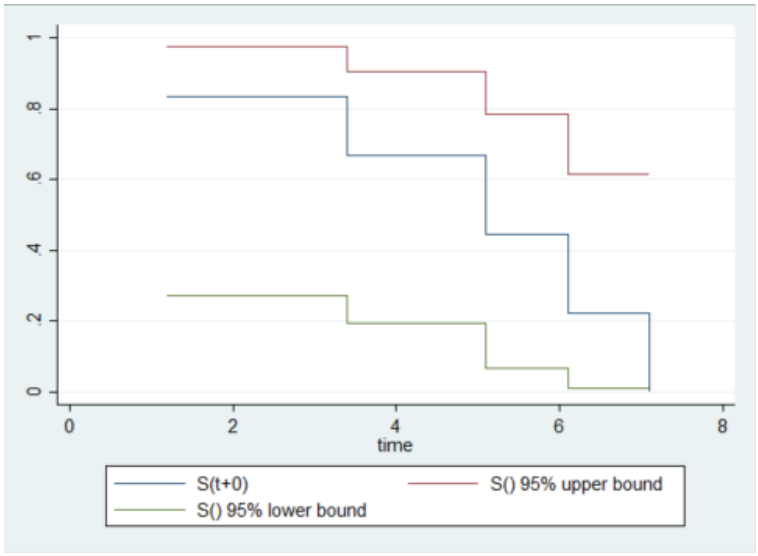

Table 1.1-3 Survival analysis graph for male with 95% confident interval

Time	Beg. Total	Fail	Net Lost	Survivor Function	Std. Error	[95% Conf.	Int.]
.4	6	1	0	0.8333	0.1521	0.2731	0.9747
1.2	5	1	0	0.6667	0.1925	0.1946	0.9044
4.3	4	1	0	0.5000	0.2041	0.1109	0.8037
4.9	3	1	0	0.3333	0.1925	0.0461	0.6756
5	2	1	0	0.1667	0.1521	0.0077	0.5168
5.1	1	0	1	0.1667	0.1521	0.0077	0.5168

Table 1.2 Survival Analysis for Female

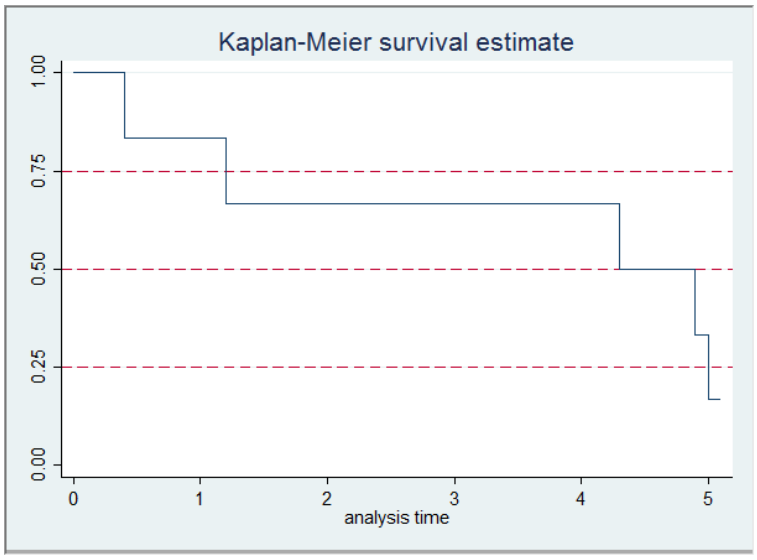

Table 1.2-2 Survival analysis graph for female

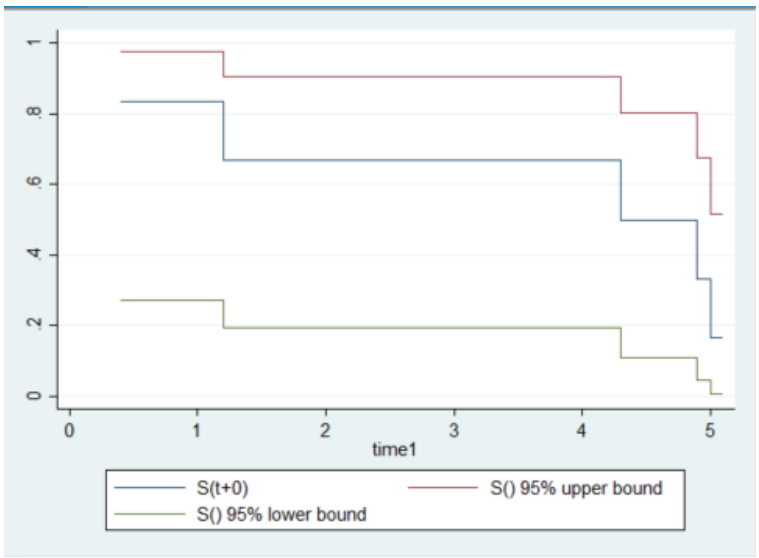

Table 1.2-3 Survival analysis graph for female with 95% confident interval

2.

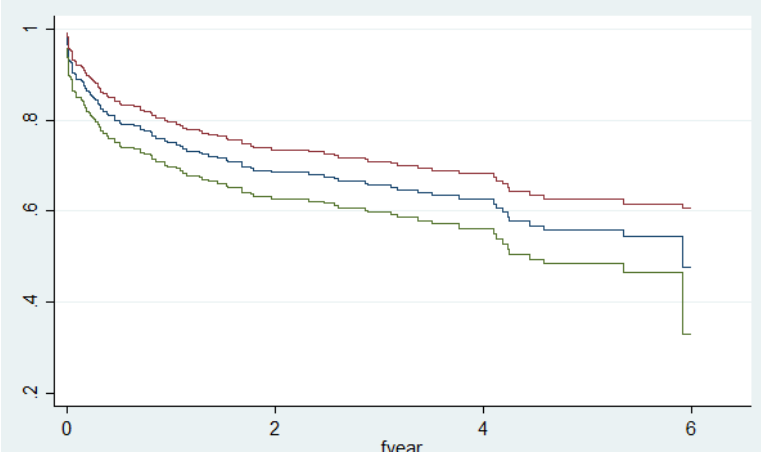

Table 2.1-1 Survival analysis graph for male with 95% Conf. Int.

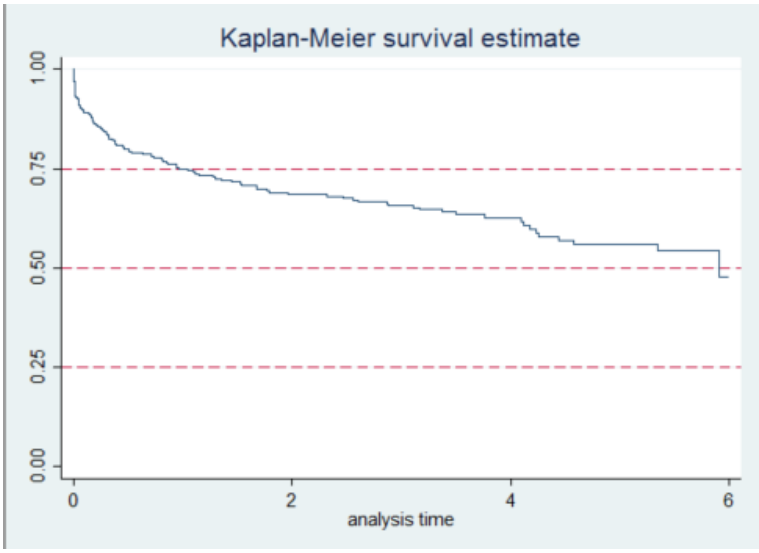

Table 2.1-2 Survival analysis graph for male with 25%, 50%, 75%

25% is .9692 ,50% is 5.914 (year).

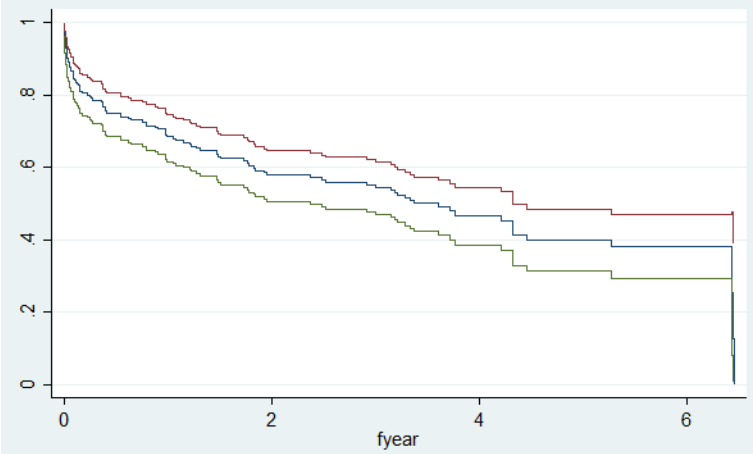

Table 2.2-1 Survival analysis graph for female with 95% Conf. Int.

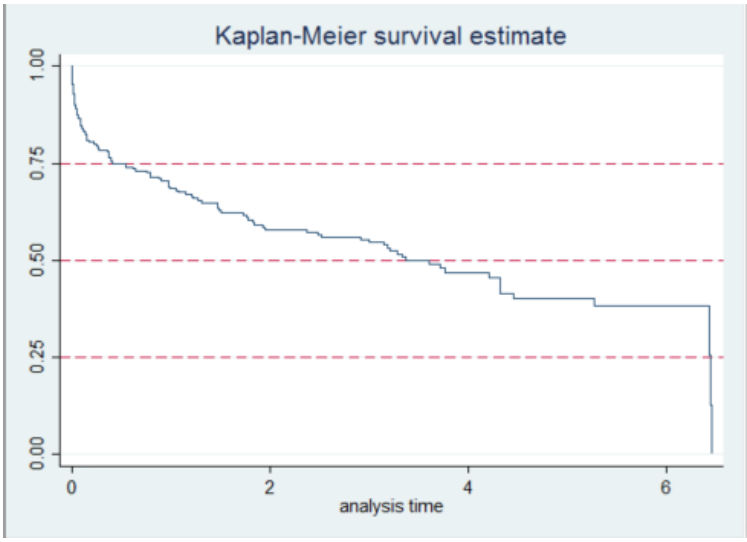

Table 2.2-2 Survival analysis graph for male with 25%, 50%, 75%

25% is .4134, 50% is 3.606, 75% is 6.442.

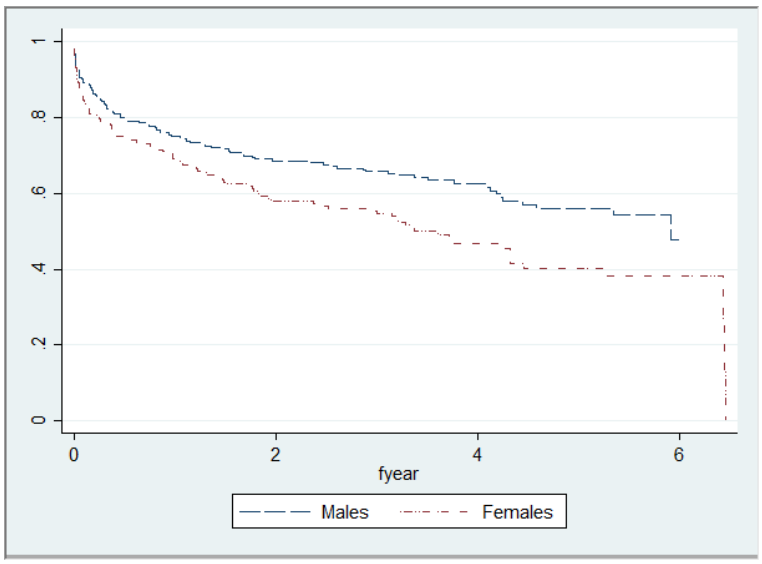

Table 2.3 comparison between male and female

3.

Test for equality

Statistics	**Value**	**P-value**
Log-rank	7.79	0.0053
Wilcoxon	5.54	0.0186
Tarone-Ware	6.67	0.0098
Peto-Prentice	6.76	0.0093

These four standards shows that survival function for two genders are significant.

Apendix

1.

input subject time censor

1 1.2 1

2 3.4 1

3 5 0

```
4 5.1 1
5 6.1 1
6 7.1 1
end
stset time, id(subject) failure(censor)
sts list
sts graph, yline(.25 .5 .75, lpattern(dash))
sts gen s=s se=se(s) ub=ub(s) lb=lb(s)
twoway (line s time, con(J))(line ub time, con(J))(line lb time, con(J))

input subject1 time1 censor1
1 0.4  1
2 1.2 1
3 4.3 1
4 4.9 1
5 5.0 1
6 5.1 0
end
stset time1, id(subject1) failure(censor1)
sts list
sts graph, yline(.25 .5 .75, lpattern(dash))
sts gen s=s se=se(s) ub1=ub(s) lb1=lb(s)
twoway (line s time1, con(J))(line ub1 time1, con(J))(line lb1 time1, con(J))
2.
gen fyear=lenfol/365.25
stset fyear, id(id) failure(fstat), if gender==0
sts list

sts gen s=s se=se(s) ub=ub(s) lb=lb(s)
```

sort fyear

twoway (line s fyear, con(J))(line ub fyear, con(J))(line lb fyear, con(J))

stset fyear, id(id) failure(fstat), if gender==1

sts list

sts graph, yline(.25 .5 .75, lpattern(dash))

sts gen s=s se=se(s) ub1=ub(s) lb1=lb(s)

sort fyear

twoway (line s fyear, con(J))(line ub1 fyear, con(J))(line lb1 fyear, con(J))

3.

gen folstatus=fstat

gen fyear=lenfol/365.25

stset fyear, fail(folstatus)

sts gen Sm=s if gender==0

sts gen Sf=s if gender==1

scatter Sm Sf fyear, ms(none none) c(J J) yscale(range(0,1)) clpattern(_ ".-.")

Log-rank test for equality of survivor functions

gender	Events observed	Events expected
0	**111**	**130.73**
1	**104**	**84.27**
Total	**215**	**215.00**

chi2(1) = **7.79**
Pr>chi2 = **0.0053**

```
. sts test gender, wilcoxon

         failure _d:  folstatus
   analysis time _t:  fyear
```

Wilcoxon (Breslow) test for equality of survivor functions

gender	Events observed	Events expected	Sum of ranks
0	111	130.73	-6271
1	104	84.27	6271
Total	215	215.00	0

chi2(1) = 5.54
Pr>chi2 = 0.0186

Tarone-Ware test for equality of survivor functions

gender	Events observed	Events expected	Sum of ranks
0	111	130.73	-345.23039
1	104	84.27	345.23039
Total	215	215.00	0

chi2(1) = 6.67
Pr>chi2 = 0.0098

Peto-Peto test for equality of survivor functions

gender	Events observed	Events expected	Sum of ranks
0	111	130.73	-14.516245
1	104	84.27	14.516245
Total	215	215.00	0

chi2(1) = 6.76
Pr>chi2 = 0.0093