

Read Bull and Spiegelhalter TUTORIAL IN BIostatISTICS: SURVIVAL ANALYSIS IN OBSERVATIONAL STUDIES (1997).

A) The following table reports disease free survival in months for two groups of women who were diagnosed with ovarian cancer. The first group was subjected to treatment A, and the second group to treatment B. Both groups were followed up for 3 years.

Sample	N10	R5	N17	R7	R9	R8	N11	N18	N7	N1	N9	N15	S8	H2	N8	R6	G9	N20
DFS	1	3	3	4	4	6	6	6	22	7	9	8	9	9	10	11	15	25
Treatment	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Sample	S9	G7	G8	N12	N3	N14	N2	S5	N13	S6	H1	S7						
DFS	6	5	7	15	24	8	3	13	14	25	27	> 36						
Treatment	B	B	B	B	B	B	B	B	B	B	B	B						

- How many censored observations are in the group subjected to treatment A?
- How many censored observations are in the group subjected to treatment B?
- Divide the time range into intervals of one year and compute the Kaplan Meier estimator for the two survival curves. Do not use SAS/R but carry out the calculations by hand.
- Plot the two survival curves and comment the results.