

Mismatch data: example of Gamma response

1. Description of problem To study the effect of tissue match on survival time after heart transplant. Reference: Mosteller and Tukey, "Data Analysis and Regression", p. 571 ff.

2. Data set Observations on patients admitted to Stanford heart transplant program during period January 1968 - April 1974.

Variables:

surv_time survival time (days) following heart transplant

reject 1 if heart was rejected, 0 otherwise

mismatch measure of matching of tissue type between donor and recipient. high values indicate poor match.

age age of patient (years)

wait_time waiting time for donor heart (days)

cal_time number of days after 1.1.68, that the operation was performed.

sur	rej	mis	age	wai	cal
15	0	1.11	54.3	0	6
3	0	1.66	40.4	35	123
624	1	1.32	51	50	244
46	1	0.61	42.5	11	235
127	0	0.36	48	25	253
64	1	1.89	54.6	16	279
1350	1	0.87	54.1	36	300
...					
161	1	1.2	43.8	3	2087