

Research Methods 2

Week 14: Exercise Sheet 1

Question 1.

The following are the times patients with leukaemia and treated with 6-MP are in remission (in weeks). That is, the data are the time to an event where here the event is not death but relapse. Some patients were still in remission when the data were collated – their times in remission are therefore not fully observed and are censored. These times are indicated by a *.

6*, 6, 6, 6, 7, 9*, 10*, 10, 11*, 13, 16, 17*, 19*, 20*, 22, 23, 25*, 32*, 32*, 34*, 35*

Estimate the proportion of patients who stay in remission more than 15 weeks.

- a) Try to do this directly from the data using 'commonsense'
- b) Use Minitab to draw a Kaplan-Meier plot and read the proportion in remission for 15 weeks or more from the plot (or use the table of survival probabilities Minitab produces in the Session Window). Compare with the answer to part a).

End of Exercise Sheet 1