

Exercise

1. The file *cancer.csv* contains data of 1207 women who were diagnosed with breast cancer [event: death -> variable: status].

- a) Produce a Kaplan-Meier curve for the data presented in the file.
- b) Obtain a Kaplan-Meier curve, separating women according to the variable *ln_yesno* (Lymph nodes) and test whether the survival of the two groups is significantly different (Log-rank test).
- c) Produce unadjusted Cox regressions for the covariates: age, *ln_yesno* and *pathsize* as covariates.
- d) Produce adjusted Cox regression as the variables age, *ln_yesno* and *pathsize* as covariates.