

```

> library(survival)
Loading required package: splines
> install.packages("eha")
Installing package(s) into 'C:/Users/rag/Documents/R/win-library/2.15'
(as 'lib' is unspecified)
--- Please select a CRAN mirror for use in this session ---
trying URL 'http://cran.stat.ucla.edu/bin/windows/contrib/2.15/eha_2.2-3.zip'
Content type 'application/zip' length 1159286 bytes (1.1 Mb)
opened URL
downloaded 1.1 Mb

package 'eha' successfully unpacked and MD5 sums checked

The downloaded binary packages are in
  C:\Users\rag\AppData\Local\Temp\RtmpyUPBrL\downloaded_packages

> data(leukemia)
> aml = leukemia
> str(aml)
'data.frame':  23 obs. of  3 variables:
 $ time  : num  9 13 13 18 23 28 31 34 45 48 ...
 $ status: num  1 1 0 1 1 0 1 1 0 1 ...
 $ x     : Factor w/ 2 levels "Maintained","Nonmaintained": 1 1 1 1 1 1 1 1 1 1 ...
> library(eha)
Warning message:
package 'eha' was built under R version 2.15.3

> ehaaml = coxreg(Surv(time,status) ~ x, data = aml)
> summary(ehaaml)
Call:
coxreg(formula = Surv(time, status) ~ x, data = aml)

Covariate           Mean           Coef           Rel.Risk    S.E.           Wald p
x
  Maintained      0.630           0             1 (reference)
  Nonmaintained   0.370           0.916         2.498         0.512         0.074

Events              18
Total time at risk  -660
Max. log. likelihood -41.033
LR test statistic    3.38
Degrees of freedom   1
Overall p-value     0.0658142
> exp(.916)
[1] 2.499273

#try some plots
> plot(ehaaml)
> plot.coxreg(ehaaml)
> attach(leukemia)
> plot.Surv(Surv(time,status), strata= x, data = leukemia)

# it won't bootstrap
> ehaamlB = coxreg(Surv(time,status) ~ x, data = aml, boot = 400)
[dpotrf] info = 1
Error in coxreg.fit(X, Y, rs, weights, t.offset, strats, offset, init, :
  No inverse in [inv_hess]

```

Cumulative hazard function

