

```

*Stata examples survival analysis
use "C:\joe\work\Sonstiges\sonstige Vorträge\DZHW Summer School
2016\suf97_sample.dta", clear

describe

keep id_suf- job9best einmon einjahr

list in 1/30

reshape long @manf @janf @mend @jend @lnoc @arve @az @std @best, i( id_suf)
j(spell_nr) string

list in 1/30

tab1 manf janf

gen begin=ym(janf,manf)
format begin %tm

gen end=ym(jend,mend)
format end %tm

gen end_study=ym(jprende,moprende)
format end_study %tm

list id_suf spell_nr manf janf mend jend begin end in 1/30, noobs

*numerical variable containing event
gen firstjob=spell_nr=="job1"

*stset
stset begin, failure(firstjob=1) id(id_suf) origin(time end_study)
list id_suf spell_nr end_study begin firstjob _t0 _t _d _st in 1/30, noobs

*non-parametric approach
sts list
sts graph, graphregion(color(white))
sts graph, by(hsart) plotlopts(recast(line) lcolor(gs12))
graphregion(color(white))
sts test hsart
replace geschl=. if geschl<1
sts test hsart, strata(geschl) detail

*semi-parametric models
stcox ib2.hsart ib2.geschl

*parametric models
streg ib2.hsart ib2.geschl, distribution(gompertz)

```