
Subject: imsl_survival_glm

Posted by [Tom Over](#) on Fri, 07 Nov 2008 13:15:50 GMT

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Has anyone used imsl_survival_glm much? I can run the example in the help, but for my data, it doesn't want to output the coefficients (keyword coef_stat), without which it is pretty useless.

The specific situation is an input array surv_x:

```
IDL> print, surv_x, format = "(16f10.2)"
```

```
40.29 246.14 230.09 1033.99 1.30 1326.68 520.64 2548.12 6359.52 103.44
```

```
8201.34 8754.44 145.24 157.74 164.67 9554.00
```

```
5.30 7.00 8.00 145.00 0.01 153.00 70.00 370.00 670.00 8.00 1000.00
```

```
715.00 12.00 13.00 12.00 1000.00
```

Then run imsl_survival_glm as follows:

```
IDL> ncoef = imsl_survival_glm(0,1,2,surv_x)
```

(no class variables, 1 continuous variable, lognormal model)

which appears to work fine (ncoef = 3)

But if I really want some output:

```
IDL> ncoef = imsl_survival_glm(0,1,2,surv_x,case_anal=ca,coef_stat=cs)
```

then I get the error:

"Array has a corrupted descriptor: COEF_STAT_SPC"

and IDL crashes (this is in IDL 6.4; the same IMSL routine from IDL7 behaves the same.)

Yes, this reduces to simple linear regression with x and y log-transformed (according to my understanding anyway), but in reality the 5th y-value (0.01) is left-truncated, so I really intend to make use of this routine for that, which is how I originally tried to run it, but got the same error.

Any thoughts?

Thanks a lot,
Tom
