
Subject: Random sample selection without replacement (using
IMSL_RANDOM_SAMPLE)

Posted by [Patrick Leinenkugel](#) on Fri, 21 Oct 2011 09:59:53 GMT

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Hello,

I like to generate a random selection (eg. 5 samples) of a population without replacement from a one dimensional array with n samples (eg. n=100). I tried to use the IMSL_RANDOM_SAMPLE function which works fine if I have (k,n) dimensional arrays (k variables (e.g k=2), n samples(e.g n=100)).

For one dimensional arrays, however, the command

```
samp = IMSL_RANDOM_SAMPLE(5, pop)
```

results in the error message: "IMSL Error: IMSL_RANDOM_SAMPLE:
Terminal error: STAT_BAD_NROW_NSAMP: NROW = 1 and NSAMP = 5. Since
there is only one invocation of this function, NROW must be greater
than or equal to nsamp."

Can anyone tell me what I do wrong or has a nother way to easily
generate random selection without replacement.

Thanks,

Patrick
