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