
Subject: Re: Random selection of pairs
Posted by [Julio\[1\]](#) on Sun, 12 Nov 2006 12:55:35 GMT
[View Forum Message](#) <> [Reply to Message](#)

Thanks guys... it will help.

Cheers,
Julio

Michael Galloy escreveu:

```
> Kenneth P. Bowman wrote:
>> It will be much simpler, and probably much quicker, to read all
>> of the pairs and then pick 100 randomly, like this script named
>> select_random:
>>
>> x = findgen(2, 1000)           ;create fake lon-lat data
>> r = RANDOMU(seed, 1000)       ;generate random numbers
>> j = (SORT(r))[0:9]            ;find indices of 10 smallest numbers
>
> Yes, I think this is the way to do it.
>
> It won't help here with only 1000 elements, but I have a routine to get
> the indices of the n smallest (or largest) values in an array. It uses
> HISTOGRAM and REVERSE_INDICES instead of the SORT in the line
>
> j = (SORT(r))[0:9]
>
> The article describing it is at:
>
> http://michaelgalloy.com/2006/06/02/finding-the-n-smallest-elements-in-an-array.html
>
>
> Mike
> --
> www.michaelgalloy.com
```
