
Subject: Re: Uneven Set of x y coordinates

Posted by [henrygroe](#) on Wed, 26 Sep 2007 13:05:47 GMT

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On Sep 25, 2:12 pm, "rpert...@gmail.com" <rpert...@gmail.com> wrote:

> Here is my problem:

> I have 2 sets of x,y coordinates:

>

> (20,3) (23,3)

> (50,3) (55,3)

> (70,3) (74,4)

> (110,3) (155,3)

> (150,4) (166,3)

> etc etc

> etc etc

> etc etc

>

> It is easy to see the first three x,y positions correspond (it is

> known these are close together, and also known that 2nd set is more to

> the right than 1st set, i.e. $x_2 > x_1$)

>

> The fourth x,y in first set however does not correspond to the 4th in

> 2nd set, in fact it is a surplus.

>

> I am therefore starting with my shortest array of coordinates and

> trying to match it with the appropriate coordinates in the long array

> discarding the excess points.

>

> So far I have used for, if and while loops...and I am able to identify

> which goes with which, but not able to reach the end of my goal: have

> identical size arrays of coordinates (smallest) with matching

> points...

>

> HELP!

> Thanks,

> RP

Sounds like a good time to read up on histograms, in particular

J.D. Smith's [hist_nd.pro](#).

Tutorial:

http://www.dfanning.com/tips/histogram_tutorial.html

[hist_nd.pro](#):

http://www.dfanning.com/programs/hist_nd.pro

cheers,

-Henry

p.s. David, what *would* we do without your web site???
