
Subject: Cluster analysis code

Posted by [Andrea Spinelli](#) on Mon, 12 Aug 1996 07:00:00 GMT

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Hi everyone,

I am looking for a cluster analysis procedure written, of course, in IDL. I have browsed several ftp sites, but I was not able to find anything interesting. Is there anybody who can help me?

Thanks in advance,
Andrea

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"Truth hurts, but pimples much more"

Subject: Re: Cluster analysis

Posted by [Ewan A. Macpherson](#) on Fri, 27 Feb 1998 08:00:00 GMT

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John Dickson wrote:

>

> I have a 3D image array containing a series of clusters

> of pixels of value 1, in a sea of value zero pixels.

>

> Has anyone an idea on how to produce an algorithm to count

> the number of pixels in each of these clusters?

Are these contiguous clusters or just regions of higher density? If the former, you could easily use a minimum spanning tree algorithm to identify and label the clusters. I have some (inefficient, I fear) PV-Wave code you'd be welcome to.

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Ewan Macpherson

Subject: Re: Cluster analysis

Posted by [Alex Schuster](#) on Mon, 02 Mar 1998 08:00:00 GMT

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John Dickson wrote:

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> of value 1, in a sea of value zero pixels.
>
> Has anyone an idea on how to produce an algorithm to count the
> number of pixels in each of these clusters?

Are the clusters connected? If not, I would look at the SEARCH3D routine.

If you need more than that, maybe the routines NN_LEARN and NN_CLUST could help, this is an implementations of the k-means cluster analysis. I don't recall where I got them from, they were a bit hard to find, so if anyone is interested, just ask me and I mail them.

Alex

--

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