
Subject: Re: Curious Cluster Analysis Conundrum
Posted by [Bill Nel](#) on Wed, 17 Jul 2013 19:44:50 GMT
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On Wednesday, July 17, 2013 3:03:14 PM UTC-4, jack.co...@nasa.gov wrote:

```
> I'm using
>
> iwts = CLUST_WTS(ibza,N_CLUSTERS=2)
> result = CLUSTER(ibza, iwts, n_clusters=2)
> ...
>
> So, I'm thinking that CLUSTER uses some kind of random seed, and sometimes it works,
sometimes not?
```

Yep, see the documentation for CLUST_WT :-)

Note: Because the initial clusters are chosen randomly, your results may differ slightly each time the CLUST_WTS routine is invoked, even for the same input data. For data with well-defined clusters the differences should be slight. For randomly-scattered data (no distinguishable clusters), the results may be significantly different, which may indicate that k-means clustering is not appropriate for your data.
