Subject: Re: scatter plots make large PostScript files
Posted by Jeremy Bailin on Fri, 02 Jan 2009 13:58:42 GMT
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On Jan 2, 3:54 am, anand <jana...@gmail.com> wrote:
> On Jan 2, 12:35 am, Ed Hyer <ejh...@gmail.com> wrote:
>
>> Too large, in fact. In this case, I want the scatter as an underlay to
>> a line plot showing the averaged data. But the resulting EPS file is
>> just too huge. Any tips/tricks/brilliant ideas on how to get the plot
>> I want with a manageable EPS file size?
>
> you can use the keyword NSUM while plotting. it is like binning the
> available
> data. NSUM=10 would reduce the number of data points in the scatter
> from
> say, N, to N/10.
>
> Anand.

Note that because NSUM averages, the resulting plot does not represent the original scatter (and it goes without saying that outliers disappear). I find it's often better to randomly sample the original points. If there are noriginal points in the data set and you want to plot nplot of them:

randomsort=sort(randomu(seed,noriginal))
plot, x[randomsort[0:nplot-1]], y[randomsort[0:nplot-1]], psym=3

-Jeremy.