Subject: Re: Identifying outliers in data
Posted by Jeremy Bailin on Sat, 27 Jun 2015 17:06:10 GMT
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On Friday, June 26, 2015 at 2:57:37 PM UTC-4, siumt...@gmail.com wrote:
> On Thursday, June 25, 2015 at 10:03:34 PM UTC-4, siumt...@gmail.com wrote:
>> Hi All,
>>
>> I am using cgboxplot.pro to identify outliers in my data. It is nice program that I see I have outliers in my data
>>
>> Next step I would like to store my good data to an array and continue processing them.
>>
>>
>> My data is two dimension wind data
>>
>> wind = Array(number of days, pressure levels)
>>
>> e.g wind= Array(31, 17)
>>
>> Once I am able to exclude the outliers from my daily dataset, I am interested to make monthly mean data set
>>
>>
>>
>> Can anyone suggest me how I would solve my problem
>>
>> Thank you in advance
>>
>> Best regards
>
>
>
>
> I would think i can do this
>
> ; Draw outliners if there are any.
> IF maxcount GT 0 THEN BEGIN
> outliermax=fltarr(maxcount)
> FOR k = 0,maxcount-1 do outliermax(k)=imax(k)
> print,'outliermax'
> print,outliermax
>
> FOR j=0,maxcount-1 DO PLOTS, xlocation, data[imax[j]], $
> PSYM=cgSymCat(9), COLOR=cgColor(outliercolor), NOCLIP=0
> ENDIF
> IF mincount GT 0 THEN BEGIN
>

```
>          outliermin=fltarr(mincount)
>        FOR kk = 0,mincount-1 do outliermin(kk)=imin(kk)
>          print,'outliermin'
>          print,outliermin
>          FOR j=0,mincount-1 DO PLOTS, xlocation, data[imin[j]], $
>             PSYM=cgSymCat(9), COLOR=cgColor(outliercolor), NOCLIP=0
>        ENDIF
>
>
>
>  But the problem would be the original data have been sorted . I would have a problem locating
the location or index of the outlier in the original data.
>
>  I found in the above step is the index or location from the already sorted data.
>
>  Best regards
```

What are imin and imax? How do they get defined? Once you understand that, then you will know how they relate to your original data.

-Jeremy.
