Subject: Re: finding boundary in image having multiple region of interest
Posted by gunvicsin11 on Wed, 31 Aug 2016 06:21:41 GMT
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On Tuesday, August 30, 2016 at 2:22:18 PM UTC+5:30, Helder wrote:
> On Tuesday, August 30, 2016 at 8:07:48 AM UTC+2, sin wrote:
>> Hi all,
>> I need to select roi having combined pixel area above 3493pixels and intensity above 1.25.
>>
>> I tried using find_boundary which gives the pixel area for pixels above the threshold for one roi that we give as input. But in one image I have multiple rois to be selected. so find_boundary will not work.
>>
>> I have several images like this.
>>
>> So do anyone have any idea to do this.
>>
>> The threshold should be the intensity should be more than 1.25 and the combined pixel area should be greater than 3493 pixels.
>>
>> thanks
>
> Hi,
> I don't understand why you tried find boundary. But I think what you're looking for is a combination of "greater then" and label_region.
>
> subImage = myImage gt 1.25
> lr = label_region(subImage)
>
> then use histogram to identify the regions and look for the one's with more than 3493 pixels. In case of doubt, follow the example given for label_region:
> http://www.harrisgeospatial.com/docs/LABEL_REGION.html
>
> Here is what is of interest for you:
>
> h = histogram(lr, REVERSE_INDICES=r)
>
> ; Print the mean and standard deviation of each region
> FOR i=0, N_ELEMENTS(h)-1 DO if h[i] gt 3493 then $
> PRINT, 'This region ', i, ', has a population greater than 3493 and has = ', h[i], $
> ', elements. The indices of this region are between ', r[i],' and ', r[i+1]-1
>
> I hope this helps.
>
> Cheers,
> Helder

Thanks a lot helder, it is very helpful.
But I couldnt understand how to get array x,y coordinates from the indices r(i).
can i use array_indices for this purpose.
I tried but i am not sure whether it is correct or not.

thanks
