
Subject: Re: Using histogram (or cghistogram) to get top X percent of distribution?
Posted by [Helder Marchetto](#) on Tue, 26 Jan 2016 14:37:20 GMT

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On Monday, January 25, 2016 at 9:48:23 PM UTC, rj...@le.ac.uk wrote:

> I'm not sure if this is just me not quite understanding how histogram works.

>

> I have a large array containing data. I want to identify the array indices of the top 10% (for example) of the data. I thought I should be able to use histogram to do this quickly but can't figure out how.

>

> Any help much appreciated as always :-)

Hi,

I normally do something very similar to scale images: I clip the histogram around a few percent from the lowest and highest side. This can be a good reference to find those pixels...

Here is the histogram to perform the histogram percentage clipping:

<http://idl.marchetto.de/percentage-of-histogram/>

It's not very clean, but works fine for me.

Cheers,
Helder

PS: previously I searched the cumulative histogram until I hit the percentage I wanted, but using `value_locate` is more efficient.
