
Subject: Re: All twisted up over reverse indices!

Posted by [Stephen Williams](#) on Mon, 19 Dec 2016 17:37:42 GMT

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>

> I found this helped (scroll down to the section on reverse indices):

> http://www.idlcoyote.com/tips/histogram_tutorial.html

For completeness, I figured out the problem and determined how to extract what I needed. My issue came primarily from improper referencing of the arrays. For example, the following line gave the incorrect indices when used with multiple matches:

```
ra_i_m(i) = ra_i(match1[match1[part_two(i):match1[part_two(i+1)]-1])
```

The problem is in the end, and should be this:

```
ra_i_m(i) = ra_i(match1[match1[part_two(i):match1[part_two(i)+1]-1])
```

The parentheses are critical here, as I want the next array element in "match1" and not the next array element in "part_two".

Distances were obtained similarly via the following line:

```
d(match1[match1[part_thr(i):match1[part_thr(i)+1]-1])
```

That is to say, the above gives the distances for each element in the sub-array denoted by the ":".

I hope this may help someone, I am sure relieved that my problem has been solved.
