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Subject: Re: 5th & 95th Percentiles

Posted by [Maarten\[1\]](#) on Thu, 14 Feb 2008 09:04:19 GMT

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On Feb 13, 5:04 pm, Spon <christoph.b...@gmail.com> wrote:

```
> pc5 = Data( (SORT(Data) ) (5 * N_ELEMENTS(Data) / 100) )
> pc95 = Data( (SORT(Data) ) (95 * N_ELEMENTS(Data) / 100) )
```

Please use

```
compile_opt defint32, strictarr
```

or

```
compile_opt idl2
```

at the beginning of each function (and in your IDL startup script) and square braces for readability. For me at least it makes my head spin. Consider the following instead:

```
pc5 = Data[ (SORT(Data))[5 * N_ELEMENTS(Data) / 100] ]
```

At least now it is clear which is which (array indexing vs. function calling).

If you need both pc5 and pc95, be sure to store the sorted index:

```
sidx = sort(data)
ndata = n_elements(data)
pc5 = data[sidx[5*ndata / 100]]
pc66 = data[sidx[66*ndata / 100]]
```

Maarten

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