
Subject: Re: Subset of a structure?

Posted by [Phillip Bitzer](#) on Mon, 20 Jan 2014 22:59:53 GMT

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Hi Troy-

You need to be careful between an array of structures and a structure of arrays. Here's what I gather from your example:

- 1) pm25_total is a scalar structure (N_ELEMENTS(pm25total) =1)
- 2) pm25_total.reports_good is an array of structures. There are 144 elements in this array. Each element is a structure and has 4 tags. Each tag is a scalar.

So, we have

A) pm25_total.reports_good is a 144 element array of structures

B) pm25_total.reports_good[0], pm25_total.reports_good[1], etc is a structure, and pm25_total.reports_good[0].time_js_good is a scalar (as is pm25_total.reports_good[1].time_js_good, etc)

C) pm25_total.reports_good.time_js_good[1] is non-sensical. time_js_good (the tag) is not an array, but a scalar. You want to index the array, which in this case is pm25_total.reports_good.

TL;DNR: PM25_TOTAL.reports_GOOD[good_val_pm25].time_JS_GOOD should work.

(Notice the use of square brackets for indexing an array.)
