Subject: Re: defining structure after ascii template
Posted by spluque on Mon, 16 Sep 2013 17:02:18 GMT
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On Monday, September 16, 2013 11:02:11 AM UTC-5, David Fanning wrote:
> spluque@gmail.com writes:
>
>
>
>> As far as I can see, it is not possible to define a structure using a template as the one built via ascii_template(). Essentially, extract a sub-structure from the template returned by ascii_template, containing the column names as tags and the field type. What is the proper way to do this?
>
>
>
> I honestly have no idea what this question means. Why don't you explain
>
> to us what you are trying to do.

Sorry for the terse initial post. Here is what I am trying to do:

1. I've prepared a template with ascii_template() for reading in an ASCII file via read_ascii().

2. Before reading the data with read_ascii(), I need to prepare an *array* of structures, where each element is a record (row) in a number of files to be read with the template in (1).

3. read_ascii() creates a structure that looks like this:

```
help, data, /structures
** Structure <57e3008>, 23 tags, length=7800864, data length=7800864, refs=1:
   FIELD01         LONG      Array[84792]
   FIELD02         FLOAT     Array[84792]
   FIELD03         LONG      Array[84792]
...[many more fields]
```

So the array of structures to be created would like this (abbreviating the number of fields for brevity here):

```
p={'foo', FIELD01:0L, FIELD02:0.0, FIELD03:0L}
replicate(p, n_recs)
```

where n_recs is the total number of records expected.

So the question is how can p be created from the information already there in the template created in (1)?

Thanks,

Seb