Edd wrote:
> OK, I've got some data read in so that I have a structure that looks
> like
>
> data.foo[600]
>   .bar[600]
>   .baz[600]
>
> and I want
> data[600].foo
>   .bar
>   .baz
>
> In other words I want an array of structures rather than a structure
> of arrays.
>
> Does anyone have any magic that works for the case when foo, bar and
> baz are not previously known?

Perhaps my reading comprehension isn't quite awake yet, but:

1) do you mean the names themselves, or the number of fields (there may
also be a fuu around, in addition to the foo, bar and baz)?

Get the names with tag_names(data), obtain the length with
size(data.(0), /dim), create a base struct with base =
CREATE_STRUCT(...) and replicate() the base to the right size. At least
that is where I would look. Copying is another matter, perhaps others
can comment on how to do this efficiently. At least you have the right
structure to store the stuff.

Maarten