
Subject: Re: How to do a "match merge"?

Posted by [Pavel A. Romashkin](#) on Thu, 25 Oct 2001 19:53:29 GMT

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I am not sure what exactly needs to be done. Something like

```
segment = {seg:0, piece:0, rotation:0.0, length:0.0}  
segments = Replicate(segment, 2000)
```

```
segments.seg = indgen(2000)  
segments[where(segments.seg gt 100)].length = the_Length  
help, where(segments.seg gt 2 and segments.length lt the_Length)
```

?

Hope this helps.

Pavel

Joe Means wrote:

```
> ;then I calculate length for each segment and put those values in a  
> vector array whose index is equal to segment-1, so each length can be  
> easily matched to each segment. My question is can I effeciently  
> match the length values into the structure for each piece without  
> looping?>
```

Subject: Re: How to do a "match merge"?

Posted by [John-David T. Smith](#) on Thu, 25 Oct 2001 19:53:54 GMT

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Joe Means wrote:

>

> ;I have a structure:

```
> segment = {seg:0, piece:0, rotation:0.0, length:0.0}
```

```
> segments = Replicate(segment, 2000)
```

>

```
> ;then I read data to fill array segments. For each segment there can  
> be 1 or more values of piece,
```

```
> ;so the data in segments can look like:
```

```
> segment  piece  rotation
```

```
> 1      1      1.3
```

```
> 1      2      5.7
```

```
> 2      1      4.4
```

```
> 2      2      3.4
```

```
> 2      3      5.5
```

```
> .....
```

>

```
> ;then I calculate length for each segment and put those values in a
```

> vector array whose index is equal to segment-1, so each length can be
> easily matched to each segment. My question is can I effeciently
> match the length values into the structure for each piece without
> looping? Statistical programming languages like SAS have match-merge
> capabilities so this kind of thing is simple, but I am not aware of
> similar capabilities in IDL.
>

Will

IDL> segments.length=seg_len_vec[segments.segment-1]

do what you want?

JD

Subject: Re: How to do a "match merge"?

Posted by [Joe Means](#) on Thu, 25 Oct 2001 22:24:18 GMT

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<html><head></head><body>Thanks to JD, Pavel and Dick who responded. The simple approach below should work just fine.

Joe Means

JD Smith wrote:

<blockquote type="cite" cite="mid:3BD86DD2.EA6A4E6@astro.cornell.edu"><pre wrap="">Joe Means wrote:
</pre>

<blockquote type="cite"><pre wrap="">;I have a structure:
segment = {seg:0, piece:0, rotation:0.0, length:0.0}
segments = Replicate(segment, 2000)

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;so the data in segments can look like:
segment piece rotation
1 1 1.3
1 2 5.7
2 1 4.4
2 2 3.4
2 3 5.5
.....

;then I calculate length for each segment and put those values in a
vector array whose index is equal to segment-1, so each length can be
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</pre></blockquote>

<pre wrap=""><!-->
Will

IDL>
segments.length=seg_len_vec[segments.segment-1]

do what you want?

JD
</pre>

</blockquote>

<pre class="moz-signature">--

Joseph E. Means

Assistant Professor, <a class="moz-txt-link-abbreviated"

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541-750-7351</pre>

</body></html>

Subject: Re: How to do a "match merge"?
Posted by [Dick Jackson](#) on Fri, 26 Oct 2001 05:10:17 GMT
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> "Joe Means" <joe.means@orst.edu> wrote in message
news:3BD89112.2070104@orst.edu...
> Thanks to JD, Pavel and Dick who responded. The simple approach below
should > work just fine.

> IDL> segments.length=seg_len_vec[segments.segment-1]

Ah, it looks like I missed the point a bit. The problem I jumped on was an interesting one, but not one that needed solving. :-(Well, if you did need a way of adding up lengths of all the pieces in each segment *without a loop*, there you go!

Cheers,

--

-Dick

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