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Subject: Re: Where vs Histogram vs ??

Posted by [Andrew Cool](#) on Wed, 23 Oct 2002 00:26:23 GMT

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Stein Vidar Hagfors Haugan wrote:

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>
> Andrew Cool <andrew.cool@dsto.defence.gov.au> writes:
>
>> Hello All,
>>   index = Where(!database.year GE start_year  AND $
>>                 !database.year LE end_year   AND $
>>                 !database.day  GE start_day   AND $
>>                 !database.day  LE end_day     AND $
>>                 !database.beam GE start_beam  AND $
>>                 !database.beam LE end_beam   AND $
>>                 !database.half_hr GE start_half_hr  AND $
>>                 !database.half_hr LE end_half_hr  AND $
>>                 !database.WRF EQ WRF    AND $
>>                 !database.FREQ EQ FREQ  AND $
>>                 !database.parameter(nominated_parameter) NE
>> bad_data_value)
> [...]
>
> Given the above, could you perhaps try a multi-stage selection, e.g.,
>
> wrf_ok = !database.WRF EQ WRF
> wrf_freq_ok = !database.FREQ EQ FREQ AND temporary(wrf_ok)
> ;; By now you should have 1/12th of the data left!
> ;; Don't know how many bad_data_values you expect, the next one might
> ;; not gain much:
> wrf_freq_good =!database.parameter(nominated_parameter) NE bad_data_value $
>                 AND temporary(wrf_freq_ok)
>
> index1 = where(wrf_freq_good)
>
> ;; Build a new database on this subset (smaller than 1/12th),
> ;; continue with the rest of your searches...
>
```

Hello Stein,

I think your multistage selection using "AND Temporary(prev\_stage)" is the way for me. I'm rather enamoured with the use of the structure in this database, and reluctant to give it up without a fight. It just makes it so easy to query the database from the command line as well as programatically.

Although arrays would probably be faster, I'll settle for a V2 rather

than  
a Saturn V if it means I can keep the structures.

Thanks to everyone for their suggestions!

Andrew

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