
Subject: Re: Where vs Histogram vs ??

Posted by [Andrew Cool](#) on Wed, 23 Oct 2002 03:53:03 GMT

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Hi Stein,

The multistage method with the structure gives about a 13-15% improvement, or from about 10 minutes down to about 8.5 minutes for a run through the entire 15,425,228 records.

Cheers,

Andrew

Andrew Cool wrote:

```
>
>> 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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