Subject: about co-occurance matrix
Posted by Magic.Zhou on Sun, 27 Apr 2008 08:01:16 GMT
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is there anyone who can give me some idea about how to program a
256*256 co-occurance matrix? mine takes quite a long time, and now it
is still working......probably it is wrong:(
thank you!

Subject: Re: about co-occurance matrix
Posted by Magic.Zhou on Mon, 28 Apr 2008 02:34:13 GMT
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> is there anyone who can give me some idea about how to program a
> 256*256 co-occurance matrix? mine takes quite a long time, and now it
> is still working......probably it is wrong:(
> thank you!

this is mine, one matrix total 4 matrix

```
;matrix_04::(i+1,j-1)<-->(i,j)
;point=0
;for i=0,x-1 do begin
; for j=0,x-1 do begin
;     for k=0,x-2 do begin
;        matrix_tmp_00=Oimage(*,k)
;        matrix_tmp_01=Oimage(*,k+1)
;        matrix_search=where(matrix_tmp_00 eq j)
;        tag=n_elements(matrix_search)
;        for l=0,tag-2 do begin
;          if(matrix_search(l)-1 gt 0) then begin
;          if((matrix_tmp_00(matrix_search(l)) eq
matrix_tmp_01(matrix_search(l)-1))) then begin
;             point=point+1
;           endif
;           endif
;         endfor
;      endfor
;      matrix_04(i,j)=point
;    endf
```

Subject: Re: about co-occurance matrix
Posted by David Fanning on Mon, 28 Apr 2008 03:00:43 GMT
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Magic.Zhou@gmail.com writes:

> is there anyone who can give me some idea about how to program a
> 256*256 co-occurance matrix? mine takes quite a long time, and now it
> is still working......probably it is wrong:(

Well, given this definition of a occurrence matrix:

  http://en.wikipedia.org/wiki/Co-occurrence_matrix

I would say I would create a occurrence matrix of A1
and A2, with no offsets like this:

  matrix = A1 EQ A2

Cheers,

David
--
David Fanning, Ph.D.
Fanning Software Consulting, Inc.
Coyote's Guide to IDL Programming: http://www.dfanning.com/
Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Subject: Re: about co-occurance matrix
Posted by David Fanning on Mon, 28 Apr 2008 03:03:47 GMT
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David Fanning writes:

> Well, given this definition of a occurrence matrix:

Humm, my spell checker doesn't like "occurrence"
even when I tell it to back off. :-(

Sorry,

David
--
David Fanning, Ph.D.
Fanning Software Consulting, Inc.
Coyote's Guide to IDL Programming: http://www.dfanning.com/
Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Subject: Re: about co-occurance matrix

Posted by David Fanning on Mon, 28 Apr 2008 03:10:33 GMT

David Fanning writes:

> Humm, my spell checker doesn't like "occurrence"
> even when I tell it to back off. :-(

This is SO weird!! I'll have to send the damn word
as a byte array:

```
    99 111  45 111  99  99 117 114  97 110  99 101
     c  o  -  o   c  c  u  r  a  n   c  e
```

Never had that happen before!

Cheers,

David
--
David Fanning, Ph.D.
Fanning Software Consulting, Inc.
Coyote's Guide to IDL Programming: http://www.dfanning.com/
Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Subject: Re: about co-occurance matrix
Posted by Bob[3] on Mon, 28 Apr 2008 18:48:42 GMT

On Apr 27, 11:10 pm, David Fanning <n...@dfanning.com> wrote:
> David Fanning writes:
>> Humm, my spell checker doesn't like "occurrence"
>> even when I tell it to back off. :-(
>
> This is SO weird!! I'll have to send the damn word
> as a byte array:
>
>   99 111 45 111 99 99 117 114 97 110 99 101
>   c o - o   c c u r a n   c e
>
> Never had that happen before!
>
> Cheers,
>
> David
> --
> David Fanning, Ph.D.

> Fanning Software Consulting, Inc.
> Coyote's Guide to IDL Programming:http://www.dfanning.com/
> Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Mightn't that be because it's actually spelt "co-occurrence"?
(occurrence - 2 "c"s, 2 "r"s, 2"e"s).

Subject: Re: about co-occurance matrix
Posted by David Fanning on Mon, 28 Apr 2008 18:49:32 GMT
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Bob Crawford writes:

> Mightn't that be because it's actually spelt "co-occurrence"?
> (occurrence - 2 "c"s, 2 "r"s, 2"e"s).

Yeah, it's probably smarter than me. :-)

Cheers,

David
--
David Fanning, Ph.D.
Fanning Software Consulting, Inc.
Coyote's Guide to IDL Programming: http://www.dfanning.com/
Sepore ma de ni thui. ("Perhaps thou speakest truth.")