Subject: Re: linfit and regress questions
Posted by Vince Hradil on Sun, 11 Nov 2007 16:37:51 GMT
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On Nov 11, 10:27 am, rlaybe...@hotmail.com wrote:
> Hi
>
> I am interested in fitting a line of the form y=mx+c using regress or
> linfit. I want the option of fixing the value of c at zero. Can I do
> this in either of these 2 functions or would I need to use something
> else?
>
> Thanks
>
> Russ

Just write it yourself:

mhat = total(x*y)/total(x*x)

http://mallit.fr.umn.edu/fr5218/reg_refresh/origin.html

Subject: Re: linfit and regress questions
Posted by rlayberry on Sun, 11 Nov 2007 16:42:27 GMT
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On 11 Nov, 16:37, hradilv <hrad...@yahoo.com> wrote:
> On Nov 11, 10:27 am, rlaybe...@hotmail.com wrote:
>
>> Hi
>
>> I am interested in fitting a line of the form y=mx+c using regress or
>> linfit. I want the option of fixing the value of c at zero. Can I do
>> this in either of these 2 functions or would I need to use something
>> else?
>
>> Thanks
>
>> Russ
>
> Just write it yourself:
>
> mhat = total(x*y)/total(x*x)
>
> http://mallit.fr.umn.edu/fr5218/reg_refresh/origin.html

thanks. is that really true? this gives the best fit? great, that's

one problem solved. what about if I want to set the intercept to c1?

russ

Subject: Re: linfit and regress questions
Posted by Vince Hradil on Sun, 11 Nov 2007 16:49:25 GMT
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On Nov 11, 10:42 am, rlaybe...@hotmail.com wrote:
> On 11 Nov, 16:37, hradilv <hrad...@yahoo.com> wrote:
>
>
>
>> On Nov 11, 10:27 am, rlaybe...@hotmail.com wrote:
>
>>> Hi
>
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>>> Thanks
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>>> Russ
>
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>
>> mhat = total(x*y)/total(x*x)
>
>> http://mallit.fr.umn.edu/fr5218/reg_refresh/origin.html
>
> thanks. is that really true? this gives the best fit? great, that's
> one problem solved. what about if I want to set the intercept to c1?
>
> russ

Transform the data?

mhat = total(x*(y-c1))/total(x*x)

Subject: Re: linfit and regress questions
Posted by rlayberry on Mon, 12 Nov 2007 10:02:52 GMT
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On 11 Nov, 16:49, hradilv <hrad...@yahoo.com> wrote:
> On Nov 11, 10:42 am, rlaybe...@hotmail.com wrote:
>
>
>
>
>
>> On 11 Nov, 16:37, hradilv <hrad...@yahoo.com> wrote:
>
>>> On Nov 11, 10:27 am, rlaybe...@hotmail.com wrote:
>
>>>> Hi
>
>>>> I am interested in fitting a line of the form y=mx+c using regress or
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>>>> this in either of these 2 functions or would I need to use something
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>>>> Thanks
>
>>>> Russ
>
>>> Just write it yourself:
>
>>> mhat = total(x*y)/total(x*x)
>
>>> http://mallit.fr.umn.edu/fr5218/reg_refresh/origin.html
>
>> thanks. is that really true? this gives the best fit? great, that's
>> one problem solved. what about if I want to set the intercept to c1?
>
>> russ
>
> Transform the data?
>
> mhat = total(x*(y-c1))/total(x*x)- Hide quoted text -
>
> - Show quoted text -

thanks hradilv, you've saved me a few hours!

Subject: Re: linfit and regress questions
Posted by Craig Markwardt on Tue, 13 Nov 2007 03:16:00 GMT
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hradilv <hradilv@yahoo.com> writes:
>

> Transform the data?
>
> mhat = total(x*(y-c1))/total(x*x)

Of course this all assumes the data are meant to be equally weighted
(no error bars, or all error bars are equal).

Craig
