

Re: large negative parameter correlations in regression

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- *From:* "Anon." <bob.ohara@xxxxxxxxxxxxxxxxxxxxx>
 - *Date:* Wed, 27 Sep 2006 20:12:23 +0300
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Reef Fish wrote:

Anon. wrote:

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Reef Fish wrote:

<snip>
this: "If you
mean-centred
your
variables,
then the
correlation
will go
away."
Again,
falsifiable.

It's not only falsifiable, it is
FALSE.

OK, prove it.

Then you would NOT have
an intercept, you IDIOT!

The keyword is

"if you mean-centered your variables" ALL the variables.

I had meant covariates, but it still doesn't matter. You will still
have an intercept in the model.

Re: large negative parameter correlations in regression

How would you ESTIMATE a parameter that is nonexistent?

Huh? It does exist. Just because my model is

$$y - \bar{y} = a + b (x - \bar{x})$$

doesn't mean that a magically disappears.

OK, the point estimate from the centred data will be zero,

Can't blame it on Finnish, because you are an ignorant BRIT!
"nonexistent" and "zero" are not synonymous.

Yes, you're right. They're not. That's why the intercept still exists even though it has a point estimate of zero.

If there is no intercept parameter to estimate, and you decided to put a zero there doesn't mean that it has been estimated.

Indeed...

but it will have a standard error about it, because it's still being estimated.

.... that is what I wrote.

So, it seems that we now agree that there is still an intercept to be estimated, even if all of the variables are mean centred.

Now, what is the correlation between the slope and the intercept in this case? I'm still maintaining it's zero. I'm waiting for your proof that I'm wrong, and it's non-zero.

Bob

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