
Subject: Use of wealth score for regression
Posted by [plnep](#) on Thu, 22 Jan 2015 11:33:35 GMT
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Hi forum users,

Can we use the wealth score available as continuous variable?

$\text{gen asset} = v191 / 100000$

Just wanted to check if I need to be aware when using it in pooled survey from different years !! I am using Nepal DHS from 2001, 2006, 2011.

Any insights would be greatly appreciated.

Thanks,
Pnep

Subject: Re: Use of wealth score for regression
Posted by [Liz-DHS](#) on Fri, 23 Jan 2015 17:20:35 GMT
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Dear User, Here is a response from one of our experts, Dr. Shea Rutstein:

Quote: The DHS wealth index is calculated separately for each survey (with a couple of exceptions, not being Nepal) so that the value of the wealth score in one survey may not (usually the case) correspond to the same level of wealth in another survey even in the same country. For that, the Comparative Wealth Index was created. To create the Comparative Wealth Index for those surveys use the following:

$\text{CWI score} = \text{Alpha} + \text{Beta} * v191$
Country Year Constant (Alpha) Coefficient (Beta)

Nepal, 2001 -1.0876444 0.6696379
Nepal, 2006 -0.8041832 0.8550128
Nepal, 2011 -0.3603931 1.0388343

To create comparable quintiles, use these values as cutpoints:

Cut points for CWI quintiles:

1-2 -0.90802
2-3 -0.38583
3-4 -0.01189
4-5 0.74156

And yes, you can use the values of the CWI (and individual wealth index scores) instead of quintiles.

Shea Rutstein

Subject: Re: Use of wealth score for regression
Posted by [plnep](#) on Sat, 24 Jan 2015 04:34:16 GMT
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Hi Liz,

Many thanks for the reply and information. I believe this is the document which describes the process for obtaining the constant and coefficient.
http://iussp.org/sites/default/files/event_call_for_papers/ComparativeWealth-DRAFT-IUSSP.pdf
???

Much appreciated
Pnep

Subject: Comparative wealth index
Posted by [soraya](#) on Fri, 07 Aug 2015 20:26:48 GMT
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Hi everyone,

I'd like to generate the comparative wealth index for Peru and Bolivia DHS surveys. Are the alpha and beta coefficients available online? Does anyone know where? Otherwise, how could I get them?

Thanks,

Soraya

Subject: Re: Comparative wealth index
Posted by [Liz-DHS](#) on Mon, 05 Oct 2015 15:23:16 GMT
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Dear User,
Attached are the Peru-Bolivia coefficients. Thank you for your post.

File Attachments

1) [Peru-Bolivia_CWI_coefficients-forwebsite.xlsx](#), downloaded 854 times

Subject: Re: Comparative wealth index
Posted by [soraya](#) on Thu, 08 Oct 2015 16:58:20 GMT
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Thank you

Subject: Re: Comparative wealth index
Posted by [Hassen](#) on Mon, 07 May 2018 14:55:15 GMT
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Dear Dr.Shea Rutstein and Liz-DHS Thank you very much!! It helps all of us.
