
Subject: Comparative Wealth Index

Posted by [nael](#) on Thu, 07 Jan 2016 10:16:49 GMT

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Hi all,

I am studying how wealth affects child malnutrition in Rwanda with time. For that, I would like to calculate the Comparative Wealth Index for Rwanda for the years 1992, 2000, 2005 and 2010 (basically all available Rwanda DHS surveys).

Does anyone have the required Alpha and Beta values for these surveys?

Would greatly appreciate that as this information is vital for my PhD dissertation.

Thanks!

Subject: Re: Comparative Wealth Index

Posted by [Liz-DHS](#) on Thu, 07 Jan 2016 15:18:38 GMT

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Dear User,

Attached are the CWI coefficients.

Thank you for your post.

File Attachments

1) [Rwanda_coefficients.xls](#), downloaded 768 times

Subject: Re: Comparative Wealth Index

Posted by [nael](#) on Thu, 07 Jan 2016 17:17:58 GMT

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Thank you very much!!

Subject: Re: Comparative Wealth Index

Posted by [nael](#) on Sat, 09 Jan 2016 15:27:56 GMT

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Dear Liz-DHS,

Sorry to bother you again about the same issue. I used the values you sent me for Rwanda to calculate the CWI and compared the mean and std to the ones in table 3.1 in that following report <http://dhsprogram.com/pubs/pdf/MR9/MR9.pdf>.

Are the ones you sent me new updated alpha and beta scores or were they similar to the ones

used in the report?

Specifically, I got this for 1992

Variable	Obs	Mean	Std. Dev.	Min	Max
CWI	6252	-1.00086	.3508722	-1.293119	1.913442

for 2000

Variable	Obs	Mean	Std. Dev.	Min	Max
CWI	9696	-1.176227	.7187736	-1.606931	3.206589

for 2005

Variable	Obs	Mean	Std. Dev.	Min	Max
CWI	10272	-9.14e-06	.5081679	-.2533463	4.451288

and for 2010

Variable	Obs	Mean	Std. Dev.	Min	Max
CWI	12540	-.0001001	.46742	-.787876	3.969633

whereas in table 3.1 they are different for all four cases.

Thank you again for your help!

Subject: Re: Comparative Wealth Index
Posted by [Liz-DHS](#) on Tue, 12 Jan 2016 06:56:57 GMT
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Dear User,

Here is a response from Dr. Shea Rutstein:

Quote:The CWI is used to compare across surveys. There is no need to use it to compare regions. Since the transformation is constant within a survey, no difference in the concentration index should be observed (to the level of rounding).

If this does not answer your question, please post again.

Subject: Re: Comparative Wealth Index
Posted by [nael](#) on Wed, 13 Jan 2016 05:14:59 GMT
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Dear Liz-DHS,

Thank you for checking with the experts. However my question was why using the alpha and beta values you sent me in the excel sheet for Rwanda (1992, 2000, 2005 and 2010) gives different results for CWI than those in table 3.1 in the report in the following link <http://www.dhsprogram.com/pubs/pdf/MR9/MR9.pdf> for the same surveys.

For 2005 for example, using the values you sent me for alpha and beta, the mean for CWI is almost 0 whereas in table 3.1 the mean for CWI is -0.965 etc.. (standard deviations are also different as you can see from the tables I pasted in the previous message below, if you compared with table 3.1)

I hope I clarified my point, if not please let me know and I will attach files that detail the explanation more..

Thanks again for your assistance!

Subject: Re: Comparative Wealth Index
Posted by [nael](#) on Wed, 13 Jan 2016 05:15:40 GMT
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Dear Liz-DHS,

Thank you for checking with the experts. However my question was why using the alpha and beta values you sent me in the excel sheet for Rwanda (1992, 2000, 2005 and 2010) gives different results for CWI than those in table 3.1 in the report in the following link <http://www.dhsprogram.com/pubs/pdf/MR9/MR9.pdf> for the same surveys.

For 2005 for example, using the values you sent me for alpha and beta, the mean for CWI is almost 0 whereas in table 3.1 the mean for CWI is -0.965 etc.. (standard deviations are also different as you can see from the tables I pasted in the previous message below, if you compared with table 3.1)

I hope I clarified my point, if not please let me know and I will attach files that detail the explanation more..

Thanks again for your assistance!

Subject: Re: Comparative Wealth Index
Posted by [Liz-DHS](#) on Thu, 14 Jan 2016 20:47:41 GMT
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Dear User,

A response from Dr. Shea Rutstein,

Quote: Since the DHS Wealth Index has a mean of zero by construction, applying the constant would give a mean of -0.932 for the CWI, not zero! The beta term just expands or reduces the dispersion (equally) so it doesn't change the mean. Has the user reversed the coefficients? Has s/he applied weights (should not for evaluating the mean)? Subset the data?

Subject: Re: Comparative Wealth Index
Posted by [nael](#) on Thu, 04 Feb 2016 02:35:18 GMT
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Dear Liz-DHS,

Thanks a lot for the update! It helped me figure out the mistake I did in the calculations.

Sorry for the inconvenience!

Subject: Re: Comparative Wealth Index
Posted by [Liz-DHS](#) on Tue, 16 Feb 2016 17:01:03 GMT
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Dear User,

Dr. Rutstein reviewed his responses to you and asked that you used the attached file containing the CWI coefficients. What you had seemed fine except for 2010. Should use the attached.
Thanks!

File Attachments

1) [CWI coefficients.xls](#), downloaded 682 times

Subject: Re: Comparative Wealth Index
Posted by [Jan Eberle](#) on Mon, 05 Sep 2016 14:36:11 GMT
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Hello everyone,

is it possible to obtain an updated list of CWI coefficients also containing more recent surveys?

Thanks!

Subject: Re: Comparative Wealth Index
Posted by [lynamg](#) on Tue, 12 May 2020 16:08:56 GMT
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Hello all,

I was hoping someone could say is this coefficient list has been updated and put online?

Thank you in advance,

Gary

Subject: Re: Comparative Wealth Index
Posted by [darioanakin](#) on Sun, 23 Aug 2020 06:29:29 GMT
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lynamg wrote on Tue, 12 May 2020 12:08Hello all,

I was hoping someone could say is this cutfullprice list has been updated and put online?

Thank you in advance,

Gary

I'm interested in this as well. Thank you!
