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Subject: DECOMPOSING ERREYGERS CONCENTRATION INDEX - STATA...

Posted by [Mlue](#) on Tue, 07 Feb 2017 11:51:21 GMT

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Hi there,

I am in the process of writing a research paper. I am using Sierra Leone womens DHS dataset. I have used conindex to compute the concentration index (Erreygers). The variable of interest is binary = Contraceptive use (0=No, 1=Yes).

I would like to know if there's anyone who might have a do-file which computes the decomposition of the Erreygers concentration index (using the Wealth Index and Education as the socioeconomic variables). I want to decompose the index to further illustrate the contribution of certain background factors to inequality.

If anyone has worked on something similar, please let me know - or preferably send your do-file so that I can try to adapt it for my research. Thank you.

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Subject: Re: DECOMPOSING ERREYGERS CONCENTRATION INDEX - STATA...

Posted by [Liz-DHS](#) on Tue, 07 Feb 2017 17:02:54 GMT

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A response from Dr. Shireen Assaf:

Quote:

Hello,

The following code can be used for obtaining the concentration index with the erreygers correction assuming you have computed your outcome variable cpr (contraceptive use). Here I am showing this for the wealth index, the same should follow for the education variable.

```
gen wt= v005/1000000
```

```
conindex cpr [pw=wt], rankvar(v190) bounded limits(0 1) erreygers cluster(v001)
```

Thank you.

Best,

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Subject: Re: DECOMPOSING ERREYGERS CONCENTRATION INDEX - STATA...

Posted by [Mlue](#) on Wed, 08 Feb 2017 09:54:12 GMT

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Hi Liz,

Thank you for your response.

I was able to compute the CPR variable and used Conindex to derive the Erreygers concentration index.

Now I am stuck trying to decompose this index - to estimate the percentage contribution of background factors to the overall inequality.

I would like an example (STATA CODE / do-file) of the way in which one can decompose the Wagstaff / Erreygers concentration index in STATA.

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Subject: Re: DECOMPOSING ERREYGERS CONCENTRATION INDEX - STATA...

Posted by [Liz-DHS](#) on Wed, 08 Feb 2017 13:54:02 GMT

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Dear User, Dr. Assaf replied:

Quote:

We do not have do files for this type of analysis as far as I know. This is really a question about Stata not DHS. I suggest you ask the Stata forum <http://www.statalist.org/>

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Subject: Re: DECOMPOSING ERREYGERS CONCENTRATION INDEX - STATA...

Posted by [Mlue](#) on Wed, 08 Feb 2017 14:07:06 GMT

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Thank you

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