
Subject: Wealth deciles

Posted by [Mercysh](#) on Wed, 11 Jan 2017 12:01:01 GMT

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I have checked posts on wealth deciles and saw the Stata code below

```
xtile dec_rural = hv271 [pweight = weightvariable] if rural==1, nq(10)
xtile dec_urban = hv271 [pweight = weightvariable] if rural==0, nq(10)
```

```
gen decile = dec_rural
replace decile = dec_urban if rural==0.
```

A quick question- do I include the weight, even if I am going to use svy, for complex survey design later

Subject: Re: Wealth deciles

Posted by [Liz-DHS](#) on Mon, 06 Feb 2017 19:15:31 GMT

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A response from Dr. Sarah Staveteig,

Quote:

Yes, the percentiles need to be weighted. SVY is not needed to weight percentiles. To produce the household member weight, multiply the number of dejure household members by the household sampling weight divided by 1,000,000. If there are no dejure members, use the number of defacto household members.

Subject: Re: Wealth deciles

Posted by [Mercysh](#) on Sat, 18 Mar 2017 14:42:00 GMT

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Thank you for the response.

One more, please help me construct separate wealth variables for urban and rural areas to include in a regression model.

I have two wealth variables using the following code but do not work in a model:

```
gen weight=hv005*hv012
drop if weight==0
```

```
xtile wealth_rur=hv271 [fweight=weight] if hv025==2, nq(5)
xtile wealth_urb=hv271 [fweight=weight] if hv025==1, nq(5)
```

When I add the following code, I get one variable which seems to work for older surveys which did not account for urban-rural differences and to be unnecessary for those which already consider different assets for rural and urban areas:

```
gen wealth_quintile = wealth_rur  
replace wealth_quintile = wealth_urb
```
