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Subject: Regions as stratas

Posted by [Noorulain](#) on Mon, 14 Oct 2024 18:48:38 GMT

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Number of strata = 10

Number of obs = 4,516

Number of PSUs = 404

Population size = 4,461.1268

Design df = 394

F(11, 384) = 4.45

Prob > F = 0.0000

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      |           Linearized  
m34_new | Odds ratio  std. err.   t   P>|t|   [95% conf. interval]  
-----+-----  
place_of_delivery_cat |  
  Home | 1.056671  .1411085   0.41  0.680   .8126801  1.373916  
  Government | .996002  .1372553  -0.03  0.977   .7596225  1.305938  
      |  
size_child_new |  
  Small | .4480244  .0928376  -3.87  0.000   .2981096  .6733289  
  Large | 2.385682  .6654784   3.12  0.002   1.378609  4.128423  
      |  
highest_edu_cat |  
  No education | 1.468173  .2833936   1.99  0.047   1.004542  2.145786  
  Primary | 1.060413  .2033389   0.31  0.760   .7273613  1.545965  
  Secondary | .9829099  .1947128  -0.09  0.931   .6658441  1.450958
```

Initially variable named "region" having four categories (sindh, punjab, balochistan, KPK) was in my multivariable model, I removed it later on because I was told that the "number of stratas 10" signifies region variable, so I was told to remove region from my multivariable model.

is this the correct approach? what does stratas and PSU signifies here. what does 10 stratas and 404 PSU signifies? should I removed it from my multivariable model? Once I removed this, my primary exposure variables becomes insignificant which was earlier significant otherwise. Leads on this?

I am using PDHS IR File, 2017-2018.

2) "Total children ever born" this variable has only live births and no still births, right? Reference "PDHS IR FILE 2017-2018"

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Subject: Re: Regions as stratas

Posted by [Janet-DHS](#) on Thu, 17 Oct 2024 13:53:48 GMT

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Following is a response from DHS staff member, Tom Pullum:

The number of children ever born refers only to live births. It does not include stillbirths. This question has come up several times on the forum. I am surprised that there is any uncertainty about it. "Birth" is equivalent to "live birth". It does not include stillbirths.

For your main question, please give us your svyset statement and the estimation command (something like "svy: logit..."). The strata in this survey are given by v022 or v023 (they are identical). The strata are combinations of region and urban/rural. It should be ok for a variable such as region to be on the right hand side of an estimation command AND to be part of the stratification. Who told you to remove region from the model?

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