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Subject: Melogit and Weights

Posted by [Yawo](#) on Thu, 23 Jul 2020 14:19:30 GMT

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Hello,

I am trying to fit a multilevel model examining HIV risk behaviors among those living with HIV using a pooled data from 23 countries.

My model nests individuals (level 1) into clusters (level 2). For melogit, I am aware I need to set weights at the two levels of my analysis, yet DHS only provides one weight.

From my review of forum here ( [https://userforum.dhsprogram.com/index.php?t=msg&goto=13522&&srch=multilevel+weights#msg\\_13522](https://userforum.dhsprogram.com/index.php?t=msg&goto=13522&&srch=multilevel+weights#msg_13522)), I understand I can svyset my data, using the following:

```
gen weight=hiv05/1000000
gen weight2=1
svyset idhspsu, weight(weight) strata(idhsstrata) singleunit(centered) || _n, weight(weight2)
```

When I run my basic melogit, <svy: melogit condomless\_spouse sex || idhspsu: >

I get the following error: "weights in variable weight not constant within groups defined by: idhspsu an error occurred when svy executed melogit"

I am sure I may not be doing something wrong here. I would be very grateful if any of you could point me in te right direction.

Thanks in advance of your assistance.

cY

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