Subject: Using weights for merged PR&IR file NFHS-4(2015-16), India
Posted by preshit on Mon, 11 Feb 2019 23:00:14 GMT
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Hello All,
I am doing decomposition analysis using a logit model for which I have merged NFHS-4(2015-16)
PR and IR recode files. I am using STATA module for Fairlie decomposition technique. My main
dependent variable is RSBY enrollment taken from PR file while the main predictor variable is
caste status for the household head which is also taken from PR file. My other predictor variables
are taken from both PR and IR files. The predictor variables I included from IR file are- women's
and husband's occupation and chronic disease status which are designed to provide information
at state level only as these questions were asked to subsample of women in state module (From
NFHS-4 report pg.1: NFHS-4 was designed to provide information on sexual behaviour;
husband's background and women's work; HIV/AIDS knowledge, attitudes, and behaviour; and
domestic violence only at the state level (in the state module)).

My analysis is confined only to observations which are present in the IR file i.e. eligible women. I
wish to conduct my decomposition analysis using sample weights now. I have gone through
previous forum postings and web-pages and YouTube videos posted; however, I am still not clear
which weights to use in my case. The closest answer I could get is posted in the following link
(screen-shot is attached as   well)-https://userforum.dhsprogram.com/index.php?t=msg&g
oto=16014&S=Google

As suggested by the Statisticians at the DHS program in the above link, I used weights from IR
file(v005) as my model included few variables from IR dataset. However, I am getting weird
results using these weights and the group difference explained by variables included in the model
is going above 100% which doesn't make any sense. My question is that the pweight created
using v005 is still correct weight in my case or I should be using some different weight for
analysis? e.g. hv005?

Thank you so much in advance for your help.

File Attachments
1) India weights SAS and merging.jpg, downloaded 882 times