
Subject: Re: Regression analysis based on 'Couples' Recode'
Posted by [Bridgette-DHS](#) on Mon, 19 Apr 2021 18:51:38 GMT
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Following is a response from DHS Research & Data Analysis Director, Tom Pullum:

The weight variables (hv005, etc.) mainly correct for the sample design (the over-sampling of small strata and under-sampling of large strata) but they also incorporate adjustments for nonresponse at different levels--households and individuals. Nonresponse is generally more serious for men than for women, and more serious for the DV module than for other parts of the interview. Here's the general hierarchy in terms of the dependent variable in a regression. For the IR data, use v005--except that if your dependent variables comes from the DV module, use d005. For the MR data, use mv005. For the CR file, use mv005, because you need both the woman and the man, and the man is harder to find, so to speak.

If your subfiles of men and women are pulled from the CR file, then I'd say you should use mv005 for both of them, because the women had to appear in the CR file--and d005 for a DV variable. You could probably invent a synthesis of mv005 and d005 but I would not go down that rabbit hole....

We have done some checking, and the effect of using one weight rather than another, when there would seem to be a choice, is trivial. If you SAY which weight you are using, in your write-up, then your findings can be reproduced. Stan Becker at Johns Hopkins has worked on an alternative weight for the CR file and had an article in the journal Demography (also see <https://grantome.com/grant/NIH/R03-HD068716-01A1>). Mahmoud Elkasabi on the DHS staff is preparing an alternative construction of couple weights and it should eventually appear in the DHS Working Paper series.
