

---

Subject: Multilevel modeling with svy and domestic violence weights

Posted by [hbsheldon](#) on Tue, 26 Oct 2021 12:50:57 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

Hello,

I am working on running a meprobit that looks at the determinants of domestic violence experience at the country-level (for several African countries, but with a regression for each country). I recently used this DHS Methodological Report 27 (<https://www.dhsprogram.com/pubs/pdf/MR27/MR27.pdf>) to estimate level 1 and level 2 weights for IPV acceptance (which is answered by all women, not just women in the domestic violence module). I am looking for recommendations on how to calculate level 1 and level 2 weights for domestic violence. Repeating the same procedure outlined in MR27 for the domestic violence weight yields weights that are inconsistent between groups for level 2.

1) Some other forums suggested using the geometric mean or a weight = 1 for level 2 weights. Which weight is preferred for level 2?

2) For level 1, would it be ok to use the domestic violence weighted version of the alpha values for level 1, or the domestic violence weight on its own? Based on my research, I am concerned that using the domestic violence weight without any sort of rescaling/manipulation would be incorrect.

Thank you in advance!

---