
Subject: Pakistan 2014 IPV analysis -- multi-level weights

Posted by [gspek](#) on Fri, 06 Nov 2015 17:04:52 GMT

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I am using the Pakistan 2014 women's dataset for analysis of associations between women's empowerment (and individual and community level) and domestic violence experiences (at individual level). I am currently struggling with a couple of issues:

1. How do I correctly weight community-level independent variables? I tried to create community-level weighted means for average percentage of women working in a community, average decision making index value, and percentage in community accepting of any domestic violence justification scenarios (with participant's own values excluded). However, I'm not sure how to approach the weights in regressions where both the community and individual level independent variables are included.

```
foreach var of varlist works dm_sum dvaccept_any{
  gen `var'_w = `var'*wgt if !missing(`var') & nocomm == 0
  bys v001: gen `var'_agg_w = sum(`var'_w) if nocomm == 0
  gen `var'_comm_w = (`var'_agg_w - `var'_w)/(clustersz - 1) if nocomm == 0
}
```

Furthermore, the number of respondents in each community is only 5-10. What is the best way to test if we are too underpowered to make any statements about the significance of the relationship?

2. If we choose to include men's community-level variables as well, how would that be weighted?

Thank you!
