Subject: Clustered Standard Errors
Posted by cbdolan on Thu, 25 Feb 2016 18:10:58 GMT
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I am using the 2007 and 2013/14 DRC DHS Birth Recode Files.

I have set up the weights and adjustments for DHS surveys using the following syntax:

```
gen wgt=v005/1000000
egen stratum=group(ADM1_CODE* v025)
svyset [pw=wgt],psu(v021)strata(stratum)
```

Am I correct that the svyset command, when called with svy: at the start of a regression, produces robust SE clustered at the cluster level? or are these robust standard errors? Is it possible to correctly use the svyset command and cluster the SE at the ADM1(province level)or is it better to not call the svy: command and do the following:

```
regress y a b c...cluster(ADM1_CODE)
```

*please note: in the 2007 DRC DHS the v024 variable which is typically used in DHS adjustments contains both numeric and character values for the same province (see below). Therefore, I used ADM1_CODE and not v024 when making unique strata values by region/urban-rural

province	Freq.	Percent	Cum.
kinshasa	106,141	4.86	4.86
bandundu	231,557	10.60	15.47
bas-congo	86,226	3.95	19.41
equateur	251,785	11.53	30.95
kasai-occidental	153,546	7.03	37.98
kasai-oriental	187,879	8.60	46.58
katanga	214,694	9.83	56.41
maniema	89,496	4.10	60.51
nord-kivu	104,015	4.76	65.28
orientale	224,819	10.30	75.57
sud-kivu	104,501	4.79	80.36
20	33,727	1.54	81.90
30	44,293	2.03	83.93
40	51,749	2.37	86.30
50	33,135	1.52	87.82
61	40,326	1.85	89.66
62	44,224	2.03	91.69
63	40,950	1.88	93.57
70	47,891	2.19	95.76
80	48,764	2.23	97.99
90	43,851	2.01	100.00

Total	2,183,569	100.00