
Subject: Re: Estimation of cutoff points for Rwanda 2014-15 wealth index

Posted by [Trevor-DHS](#) on Mon, 08 May 2017 20:26:11 GMT

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Comb scor is the same as hv271, but the percentiles from comb scor that you show below are actually weighted percentiles for households (total of 12699 households), not for household members, so are not the actual quintile cutoffs.

Your code for calculating the quintiles produces virtually identical results to those in hv270, apart from four cases:

```
. list hv271 hv270 hhwealth if hv270 != hhwealth
```

```
+-----+
| hv271  hv270  hhwealth |
+-----+
7064. | -66470   poorer      1 |
7743. |  40088   richest      4 |
7973. | -63769   poorer      . |
11711. | -14147   richer      3 |
+-----+
```

I think there are two reasons for the slight differences:

1) There is one case for which you have hhwealth == . This is because there is 1 household with 0 de jure members listed. For the few households that we get with 0 de jure members listed, we use the de facto number of members instead. thus we might have

```
gen ppl=hv012
```

```
replace ppl=hv013 if hv012==0
```

```
gen hhweight = (hv005*ppl)/1000000
```

2) I think there is some rounding going on. The other 3 cases above are all right at the quintile boundaries that you calculated. When we calculate the quintiles we actually have more digits of precision of the scores. We use the SPSS Rank command and I expect that there are slightly different rules about selection of quintiles between the SPSS Rank and the Stata `_pctile` commands, in addition to the precision issue.

So I can't fully explain the differences, but hopefully this gives you enough to work with.
