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Subject: Re: Creating panel - using weights

Posted by [Reduced-For\(u\)m](#) on Mon, 04 Jul 2016 21:41:24 GMT

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The problem isn't that household's change (that is true in any "repeated cross-section" that gets turned into a "panel" of aggregates), the problem is that the clusters change from year to year. That is, they don't represent the same areas at all. Even the "regions" sometimes change from survey to survey. On top of that, clusters are not large enough to be representative samples, and so even if they were constant across time, you'd have problems.

So basically, at a unit smaller than the "region", it is impossible to build the panel you want. At the "region" level (which as you say has too few units), it MAY be possible, but would depend on the country (whether regions stay constant across time).

I know some people have done some GPS stuff about imputing/estimating narrow-area values in repeated surveys to generate a panel like you describe, but it is not really advised by DHS\*, and I think often times they are stretching the data far too thin for their own purposes (at least in a panel context, in a cross-section there are times when this might be OK).

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