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Subject: Strata and PSUs in Egypt KR 2014 for sampling weight

Posted by [mkoshida](#) on Fri, 05 Mar 2021 11:03:44 GMT

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According to the final report of Egypt DHS 2014 (AppendixB), 51 sampling strata and 884 PSUs were used in sampling process.

(From Final Report

"Prior to the first stage of selection, each of the 27 governorates was first stratified into urban and rural areas, yielding a total of 51 sampling strata since Cairo, Suez and Port Said do not have rural areas"

The first sampling stage involved the selection of 926 shiakhass/villages, as the Primary Sampling Units (PSUs)" "Because of security issues,... the 42 shiakhass/villages selected in those governorates for the 2014 EDHS sample were not included in the survey. This reduced the total number of sampling PSUs in the 2014 EDHS from 926 to 884 PSUs. ")

However, when I tried to weight data, number of strata and PSUs shown in STATA do not match with the number reported in the final report.

my code and results are following:

```
svyset[pw=wt], psu(v021) strata (v023)
```

```
    pweight: wt
```

```
      VCE: linearized
```

```
Single unit: missing
```

```
Strata 1: v023
```

```
  SU 1: v021
```

```
  FPC 1: <zero>
```

```
svy: tab v106
```

```
(running tabulate on estimation sample)
```

```
Number of strata =    47          Number of obs   =   15,848
Number of PSUs   =   876          Population size = 15,667.944
                  Design df      =    829
```

```
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```

I tried with v022 and (v024×v025) for Strata, neither did match with the final report. If anyone could help me figure out with this, I would sincerely appreciate it.

Thank you in advance.

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Subject: Re: Strata and PSUs in Egypt KR 2014 for sampling weight

Posted by [Bridgette-DHS](#) on Mon, 08 Mar 2021 15:06:49 GMT

Following is a response from DHS Senior Sampling Specialist, Mahmoud Elkasabi:

When I run exactly the same Stata code on the IR file, I get the correct answer. You may have filtered out some cases. Please go back to the original IR file.

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