

---

Subject: GENERAL SMOKING PREVALENCE IN RWANDA

Posted by [Francois](#) on Tue, 14 Feb 2017 09:43:44 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

I do have a question about the General prevalence of Smoking in Rwanda( DHS 2014/2015)  
Referencing to Tab 3.8.1 ( for women, using IR) and 3.8.2 (for men, using MR), we do fail to have  
the General prevalence of Smoking in Rwanda

Either by separate products and the general smoking in general.

Your assistance in coding or producing the results with codes will be highly helpful  
and much appreciated !

Thanks

Francois

---

---

Subject: Re: GENERAL SMOKING PREVALENCE IN RWANDA

Posted by [Mlue](#) on Tue, 14 Feb 2017 13:34:57 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

Hi,

Please check out the example on the attachment. I hope it helps

#### File Attachments

1) [SMOKING PREVALENCE EXAMPLE \\_ SLDHS 2013.pdf](#), downloaded 439  
times

---

---

Subject: Re: GENERAL SMOKING PREVALENCE IN RWANDA

Posted by [Mlue](#) on Mon, 20 Feb 2017 23:52:30 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

Hi, I figured out how to compute "Other tobacco"

See Stata code below using Rwanda 2014-15 as an example...

\*\* Rwanda: Standard DHS, 2014-15

// WOMEN'S FILE

\*\*\*\*\*

\*\*\* YEAR = 2014-15

\*\* PREVALENCE OF SMOKING

\*\*\*\*\*

\*\* WEIGHT VARIABLE

```
gen weight = v005/1000000
```

```
*****
```

```
** SURVEY SET
```

```
gen psu = v021
```

```
gen strata = v022
```

```
svyset psu [pw = weight], strata(strata) vce(linearized)
```

```
*****
```

```
** SVYDESCRIBE
```

```
/* This checks whether or not your svyset agrees with what has been published  
on the country's DHS report */
```

```
//svydescribe
```

```
*****
```

```
// RENAME
```

```
rename v013 age
```

```
rename v106 education
```

```
rename v190 wealth
```

```
rename v025 residence
```

```
rename v024 province
```

```
rename sdistrict district
```

```
*=====
```

```
=====*
```

```
// EDUCATION RECODE
```

```
recode education (0=0 "No education") (1=1 "Primary") ///
```

```
(2/3=2 "Secondary/higher"), gen(education_recode)
```

```
label var education_recode "Recode for education"
```

```
label val education_recode education_recode
```

```
*=====
```

```
=====*
```

```
// SMOKING INDICATORS //
```

```
** CIGARETTES
```

```
recode v463a (. 0 9 = 0 "No") (1 = 1 "Yes"), gen(cigarettes)
```

```
label var cigarettes "Smokes cigarettes"
```

```
label val cigarettes cigarettes
```

```
*=====
```

====\*

**\*\* PIPE**

```
recode v463b (0 9 = 0 "No") (1 = 1 "Yes"), gen(pipe)
label var pipe "Smokes pipe"
label val pipe pipe
```

\*=====

====\*

**\*\* OTHER TOBACCO**

```
gen other_tobacco = 0
label define other_tobacco 0"No" 1"Yes"
label var other_tobacco "Uses/smokes other tobacco"
label val other_tobacco other_tobacco
```

**\*\* OTHER TOBACCO**

```
foreach xvar of varlist 463c 463d 463x {
  replace other_tobacco=1 if `xvar'==1
}
```

\*=====

====\*

**\*\* DOES NOT USE TOBACCO**

```
recode v463z (0 9 =0) (1=1 "Not smoking"), gen(does_not_use_tobacco)
label var does_not_use_tobacco "Does not use tobacco products"
label val does_not_use_tobacco does_not_use_tobacco
```

\*=====

====\*

**\*\* DROP IF NOT WITHIN SAMPLE**

```
qui regr cigarettes pipe other_tobacco does_not_use_tobacco [pw=weight]
drop if e(sample)!=1 /* drop observations with missings on any variable to be used in analysis */
```

\*\*\*\*\*

**\*\* CHECK**

```
svy: tab cigarettes, count format(%4.0f)
svy: tab cigarettes, percent format(%4.1f)
```

```
svy: tab pipe, count format(%4.0f)
svy: tab pipe, percent format(%4.1f)
```

```
svy: tab other_tobacco, count format(%4.0f)
svy: tab other_tobacco, percent format(%4.1f)
```

```
svy: tab does_not_use_tobacco, count format(%4.0f)
svy: tab does_not_use_tobacco, percent format(%4.1f)
```

\*\*\*\*\*

---

Subject: Re: GENERAL SMOKING PREVALENCE IN RWANDA  
Posted by [Mlue](#) on Mon, 20 Feb 2017 23:53:57 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

In case you are using SPSS

Smoking prevalence in Rwanda 2014-15 ... Women's file

\*\* OPEN THE SPSS (DHS MEN'S) DATASET AND THEREAFTER OPEN THIS SPSS SYNTAX  
\*\* RIGHT-CLICK, AND SELECT RUN ALL  
\*\* OR YOU CAN "HIGHLIGHT" EACH STEP AND THEN "RIGHT-CLICK" AND SELECT "RUN  
SELECTION"

\*\* IN ORDER TO FULLY REPLICATE THE TABLES IN THE DHS REPORT, IT IS BEST TO USE  
COMPLEX SURVEY ANALYSIS  
WHICH IS EQUIVALENT TO SURVEYSET IF YOU WERE USING STATA \*\*

\*\* =====  
==\*

\* CHANGE PATH BELOW TO THE PARTICULAR FOLDER WHERE YOUR SPSS DATA IS  
LOCATED

\*\* (create a folder under "MY DOCUMENTS" and save it as "RWANDA - 2014-15 DHS"), then  
where Dubile appears, change to your Computer name

\*\* To get your Computer name: click on "My Computer / Computer", then right-click ==>  
"Properties" ==> "Computer description = your computer name

GET

FILE='C:\Users\Dubile\Documents\RWANDA - 2014-15 DHS\RWMR70FL.SAV'.  
DATASET NAME DataSet1 WINDOW=FRONT.

\*\*\*\*\*  
\*\*\*\*\*

\* WEIGHT VARIABLE

COMPUTE weight=mv005 / 1000000.

```
VARIABLE LABELS weight 'wgt'.  
EXECUTE.
```

```
*=====
```

```
** EDUCATION RECODE
```

```
RECODE MV106 (0=0) (1=1) (2 thru 3=2) INTO education.  
VALUE LABELS education 0"No education" 1"Primary" 2"Secondary/higher".  
VARIABLE LABELS education 'Recode for education.'.  
EXECUTE.
```

```
** AGE 50-59 YEARS OLD
```

```
RECODE MV012 (15 THRU 49 = 0) (50 THRU 59 = 1) INTO aged_50to59.  
VALUE LABELS aged_50to59 0"15-49" 1"50-59".  
VARIABLE LABELS aged_50to59 'Persons aged 50-59 years.'.  
EXECUTE.
```

```
/*****  
*****/
```

```
** COMPLEX SURVEY ANALYSIS - EQUIVALENT OF SURVEYSET
```

```
** change Dubile to your computer name
```

```
CSPLAN ANALYSIS
```

```
/PLAN FILE='C:\Users\Dubile\Documents\RWANDA - 2014-15 DHS\Plan1.csaplan'  
/PLANVARS ANALYSISWEIGHT=weight  
/SRSESTIMATOR TYPE=WOR  
/PRINT PLAN  
/DESIGN STRATA=mv022 CLUSTER=mv021  
/ESTIMATOR TYPE=WR.
```

```
*** DERIVING VARIABLE = SMOKING CIGARETTES
```

```
RECODE MV463A (1=1) (0=0) (9=0) (ELSE=0) INTO cigarettes.  
VALUE LABELS cigarettes 0"No" 1"Yes".  
VARIABLE LABELS cigarettes 'Smokes cigarettes.'.  
EXECUTE.
```

```
/*****  
*****/
```

```
* CHECK IF CORRECT USING COMPLEX SURVEY FREQUENCIES (should be the same as in  
the report)
```

**\*\* TABLE**

CSTABULATE

```
/PLAN FILE='C:\Users\Dubile\Documents\RWANDA - 2014-15 DHS\Plan1.csaplan'  
/TABLES VARIABLES=cigarettes  
/CELLS POPSIZE TABLEPCT  
/STATISTICS SE CIN(95)  
/MISSING SCOPE=TABLE CLASSMISSING=EXCLUDE.
```

**\*\* CROSSTAB CIGARETTES WITH AGE GROUP** - from the output, your percentage is named "estimate" with the %

CSTABULATE

```
/PLAN FILE='C:\Users\Dubile\Documents\RWANDA - 2014-15 DHS\Plan1.csaplan'  
/TABLES VARIABLES=MV013 BY cigarettes  
/CELLS POPSIZE ROWPCT  
/STATISTICS CIN(95)  
/MISSING SCOPE=TABLE CLASSMISSING=EXCLUDE.
```

```
/*****  
*****/
```

**\*\*\* DERIVING VARIABLE = SMOKING PIPE**

```
RECODE MV463B (1=1) (0=0) (9=0) (ELSE=0) INTO pipe.  
VALUE LABELS pipe 0"No" 1"Yes".  
VARIABLE LABELS pipe 'Smokes pipe.'  
EXECUTE.
```

**\* CHECK IF CORRECT USING COMPLEX SURVEY FREQUENCIES** (should be the same as in the report)

**\*\* TABLE**

CSTABULATE

```
/PLAN FILE='C:\Users\Dubile\Documents\RWANDA - 2014-15 DHS\Plan1.csaplan'  
/TABLES VARIABLES=pipe  
/CELLS POPSIZE TABLEPCT  
/STATISTICS SE CIN(95)  
/MISSING SCOPE=TABLE CLASSMISSING=EXCLUDE.
```

**\*\* CROSSTAB PIPE WITH AGE GROUP** - from the output, your percentage is named "estimate" with the %

CSTABULATE

```
/PLAN FILE='C:\Users\Dubile\Documents\RWANDA - 2014-15 DHS\Plan1.csaplan'  
/TABLES VARIABLES=MV013 BY pipe  
/CELLS POPSIZE ROWPCT
```

```
/STATISTICS CIN(95)
/MISSING SCOPE=TABLE CLASSMISSING=EXCLUDE.
```

```
/******
*****/
```

\*\*\* DERIVING VARIABLE = OTHER TOBACCO

```
COMPUTE other_tobacco = 0.
if MV463C = 1 or MV463D = 1 or MV463X = 1 other_tobacco = 1.
if MV463C NE 1 and MV463D NE 1 and MV463X NE 1 other_tobacco = 0.
value labels other_tobacco 0 "No" 1 "Yes".
VARIABLE LABELS other_tobacco 'Uses/smokes other tobacco'.
EXECUTE.
```

\* CHECK IF CORRECT USING COMPLEX SURVEY FREQUENCIES (should be the same as in the report)

\*\* TABLE

```
CSTABULATE
/PLAN FILE='C:\Users\Dubile\Documents\RWANDA - 2014-15 DHS\Plan1.csaplan'
/TABLES VARIABLES=other_tobacco
/CELLS POPSIZE TABLEPCT
/STATISTICS SE CIN(95)
/MISSING SCOPE=TABLE CLASSMISSING=EXCLUDE.
```

\*\* CROSSTAB PIPE WITH AGE GROUP - from the output, your percentage is named "estimate" with the %

```
CSTABULATE
/PLAN FILE='C:\Users\Dubile\Documents\RWANDA - 2014-15 DHS\Plan1.csaplan'
/TABLES VARIABLES=MV013 BY other_tobacco
/CELLS POPSIZE ROWPCT
/STATISTICS CIN(95)
/MISSING SCOPE=TABLE CLASSMISSING=EXCLUDE.
```

\*\* This part calculates the last three row of Table 3.8.2 \*\*

```
CSTABULATE
/PLAN FILE='C:\Users\Dubile\Documents\RWANDA - 2014-15 DHS\Plan1.csaplan'
/TABLES VARIABLES=aged_50to59 BY other_tobacco
/CELLS POPSIZE ROWPCT
/STATISTICS CIN(95)
/MISSING SCOPE=TABLE CLASSMISSING=EXCLUDE.
```

\*\*\* DERIVING VARIABLE = DOES NOT USE/SMOKE TOBACCO





```
VARIABLE LABELS filter_$ 'MV012 >= 15 & MV012 <= 49 (FILTER)'.  
VALUE LABELS filter_$ 0 'Not Selected' 1 'Selected'.  
FORMATS filter_$ (f1.0).  
FILTER BY filter_$.  
EXECUTE.
```

\*\*\* CROSSTABS

```
CSTABULATE  
/PLAN FILE='C:\Users\Dubile\Documents\RWANDA - 2014-15 DHS\Plan1.csaplan'  
/TABLES VARIABLES=education BY cigarettes  
/CELLS POPSIZE ROWPCT  
/STATISTICS CIN(95)  
/MISSING SCOPE=TABLE CLASSMISSING=EXCLUDE.
```

```
CSTABULATE  
/PLAN FILE='C:\Users\Dubile\Documents\RWANDA - 2014-15 DHS\Plan1.csaplan'  
/TABLES VARIABLES=education BY pipe  
/CELLS POPSIZE ROWPCT  
/STATISTICS CIN(95)  
/MISSING SCOPE=TABLE CLASSMISSING=EXCLUDE.
```

```
CSTABULATE  
/PLAN FILE='C:\Users\Dubile\Documents\RWANDA - 2014-15 DHS\Plan1.csaplan'  
/TABLES VARIABLES=education BY other_tobacco  
/CELLS POPSIZE ROWPCT  
/STATISTICS CIN(95)  
/MISSING SCOPE=TABLE CLASSMISSING=EXCLUDE.
```

```
CSTABULATE  
/PLAN FILE='C:\Users\Dubile\Documents\RWANDA - 2014-15 DHS\Plan1.csaplan'  
/TABLES VARIABLES=education BY does_not_use_tobacco  
/CELLS POPSIZE ROWPCT  
/STATISTICS CIN(95)  
/MISSING SCOPE=TABLE CLASSMISSING=EXCLUDE.
```