

COUNTED & VISIBLE TOOLKIT

Computation of selected gender-specific and gender-relevant Sustainable Development Goals indicators in selected countries using SPSS



THE INTER-SECRETARIAT
**WORKING GROUP ON
HOUSEHOLD SURVEYS**

About the Report

The Counted and Visible: Toolkit to Better Utilize Existing Data from Household Surveys to Generate Disaggregated Gender Statistics (Counted and Visible Toolkit) provides a compilation of tools and mechanisms used by several countries to produce evidence to inform gender-responsive policies and catalyze actions to leave no one behind. This publication was developed by UN Women, in collaboration with the Inter-Secretariat Working Group on Household Surveys (ISWGHS). From the technical to the strategic, the publication also takes holistic approach to production of disaggregated gender statistics showcasing good country practices – from the commitment of national statistical systems to uptake and use. The digital version of the publication can be found at: <https://data.unwomen.org/resources/counted-and-visible-toolkit>.

This publication, a complementary technical resource of the Toolkit, is a comprehensive compilation of statistical computing exercises via SPSS to produce disaggregated gender statistics covering 13 Sustainable Development Goals indicators using publicly available datasets of select countries.

Acknowledgements

Chief of the Research and Data Section: Papa Seck

Report lead: Jessamyn Encarnacion

Report coordinators: Alper Gucumengil, Rea Jean Tabaco

Statistics: Zita Albacea, Ramya Emandi, Ghida Ismail, Rea Jean Tabaco

Production, communication and outreach: Lauren Billi, Jacqueline Gordillo, Mika Mansukhani, Samrat Maskey, Svenja Siemonsen

Cover Design: Ouissal Hmazzou

© UN Women 2023

All rights reserved

The views expressed in this publication are those of the authors and do not necessarily represent the views of UN Women, the United Nations or any of its affiliated organizations. For a list of any errors or omissions found subsequent to the report launch please visit our website.

NOTE TO USER

Software

This technical resource provides a step-by-step guide in producing and assessing disaggregated gender statistics using SPSS. The scripts were produced using SPSS version 26. However, the commands used were basic codes and will work in earlier or later versions of the statistical software.

Indicators

Disaggregated gender statistics were produced for 13 Sustainable Development Goals (SDG) indicators – one for each Goal and one for each SDG 5 target – data permitting. In some cases where no gender-specific or gender-relevant indicators are available, a related indicator was computed instead.

Additional codes are provided to disaggregate the indicator by wealth index and/or by type of location (urban/rural).

Dataset

The disaggregated gender statistics were computed using the latest Demographic and Health Survey (DHS) data of selected countries, mainly using the individual data file for women. DHS data are publicly available upon request via <https://dhsprogram.com/>. Weights in DHS data files need to be divided by 1,000,000 as they were computed to six decimal points but presented in the standard recode files without the decimal point.

In one indicator, the data for Multiple Indicator Survey (MICS) was used. MICS datasets can be downloaded for free via <https://mics.unicef.org/surveys> after registration.

Country selection

In generating relevant disaggregated gender statistics, mainly the datasets and variables of UN Women's Women Count programme pathfinder countries or other supported countries by the programme have been used.

Standard error (SE) and Coefficient of Variation (CV)

The codes will directly produce SE and CV which are used to assess the quality (particularly precision and reliability) of disaggregated gender statistics produced. In SPSS, resulting CV should be multiplied by 100.

Low value of SE is preferred. For CV, there are no internationally agreed standards or recommendation as thresholds vary country to country and surveys to surveys. The Counted and Visible Toolkit suggests this classification of estimates:

VALUE OF CV	SUGGESTED CLASSIFICATION OF ESTIMATES (x)
$x \leq 10\%$	Highly reliable
$10\% > x \geq 20\%$	Sufficiently reliable
$20\% > x \geq 33\%$	Still acceptable but should be used with caution.
$x > 33\%$	Caveats should be provided in terms of the level of reliability of the estimate.

LIST OF INDICATORS

Goal 1. End poverty in all its forms everywhere & Goal 10. Reduce inequality within and among countries

(Related Indicator) Proportion of women who belong to the poorest 20% of the population, by age and persons with disability

Goal 2. End hunger, achieve food security and improved nutrition and promote sustainable agriculture

2.2.3 Prevalence of anaemia in women aged 15 to 49 years, by pregnancy status

Goal 3. Ensure healthy lives and promote well-being for all at all ages

3.1.2 Proportion of births attended by skilled health personnel

3.7.1 Proportion of women of reproductive age (aged 15–49 years) who have their need for family planning satisfied with modern methods

Goal 4. Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all

(Related Indicator) Proportion of women with primary or less education

Goal 5. Achieve gender equality and empower all women and girls

5.2.1 Proportion of ever-partnered women and girls aged 15 years and older subjected to physical, sexual or psychological violence by a current or former intimate partner in the previous 12 months, by form of violence and by age

5.3.1 Proportion of women aged 20–24 years who were married or in a union before age 15 and before age 18

5.6.1 Proportion of women aged 15–49 years who make their own informed decisions regarding contraceptive use and reproductive health care¹

5.b.1 Proportion of women who own a mobile telephone²

Goal 7. Ensure access to affordable, reliable, sustainable and modern energy for all

7.1.2 Proportion of women with primary reliance on clean fuels and technology³

Goal 8. Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all

8.10.2 Proportion of women (15 years and older) with an account at a bank or other financial institution or with a mobile-money-service provider⁴

Goal 16. Promote peaceful and inclusive societies for sustainable development, provide access to justice for all and build effective, accountable and inclusive institutions at all levels

16.2.3 Proportion of young women aged 18–29 years who experienced sexual violence by age 18

Goal 17. Strengthen the means of implementation and revitalize the Global Partnership for Sustainable Development

17.8.1 Proportion of women using the Internet in the last 12 months⁵

¹ Full SDG indicator: Proportion of women aged 15–49 years who make their own informed decisions regarding sexual relations, contraceptive use and reproductive health care.

² Full SDG indicator: Proportion of individuals who own a mobile telephone, by sex

³ Full SDG indicator: Proportion of population with primary reliance on clean fuels and technology

⁴ Full SDG indicator: Proportion of adults (15 years and older) with an account at a bank or other financial institution or with a mobile-money-service provider

⁵ Full SDG indicator: Proportion of individuals using the Internet in the last three months.

COUNTRIES AND DATA SOURCES

SDG	COUNTRY	DATASET	DATA FILE
1.x	Albania	Demographic and Health Survey 2017-18	ALIR71FL
2.2.3	Nepal	Demographic and Health Survey 2016	NPIR7HFL
3.1.2	Sierra Leone	Demographic and Health Survey 2019	SLBR7AFL
3.7.1	Uganda	Demographic and Health Survey 2016	UGIR7BFL
4.x	Mongolia	Multiple Indicator Cluster Survey 2018	wm
5.2.1	Tajikistan	Demographic and Health Survey 2017	TJIR71FL
5.3.1	Egypt	Demographic and Health Survey 2014	EGIR61FL
5.6.1	Kyrgyz Republic	Demographic and Health Survey 2012	KYIR61FL
5.b.1	Jordan	Demographic and Health Survey 2017-2018	JOIR73FL
7.1.2	Bangladesh	Demographic and Health Survey 2017-2018	BDIR7RFL
8.10.2	Tanzania	Demographic and Health Survey 2015-2016	TZIR7BFL
16.2.3	Senegal	Demographic and Health Survey 2019	SNIR8BFL
17.8.1	Cameroon	Demographic and Health Survey 2018	CMIR71FL

SPSS CODES

Goal 1. End poverty in all its forms everywhere & Goal 10. Reduce inequality within and among countries

(Related Indicator) 1.x Proportion of women who belong to the poorest 20% of the population, by age and persons with disability

***Step 1: Import Data

```
GET FILE='D:\OneDrive - UN Women\Toolkit\Data\ALIR71FL.SAV'.
```

***Step 2: Replace weight presentation

```
COMPUTE wt=v005 / 1000000.  
COMPUTE stratum = v023.  
WEIGHT by wt.
```

***Step 3: Compute the estimates of women who belong to the poorest 20% of the population

/ v190 – wealth index variable wherein code 1 is the poorest 20%*

```
COMPUTE poorest = 0.  
  if (v190 = 1) poorest = 1.  
  if (SYSMIS(v190)) poorest = $SYSMIS.
```

```
VARIABLE LABELS poorest 'Poorest 20% of the population'.  
VALUE LABELS poorest 1 'Yes' 0 'No'.
```

```
FREQUENCY poorest.
```

***Step 4a: Compute the estimates by age groups (v013)

```
CROSSTABS poorest by v013  
  /cells count column.
```

```
COMPUTE poorest_ag_15to19 = $SYSMIS.  
  IF (poorest = 1 & v013 = 1) poorest_ag_15to19 = 1.  
  IF (poorest = 0 & v013 = 1) poorest_ag_15to19 = 0.  
COMPUTE poorest_ag_20to24 = $SYSMIS.  
  IF (poorest = 1 & v013 = 2) poorest_ag_20to24 = 1.  
  IF (poorest = 0 & v013 = 2) poorest_ag_20to24 = 0.  
COMPUTE poorest_ag_25to29 = $SYSMIS.  
  IF (poorest = 1 & v013 = 3) poorest_ag_25to29 = 1.  
  IF (poorest = 0 & v013 = 3) poorest_ag_25to29 = 0.  
COMPUTE poorest_ag_30to34 = $SYSMIS.  
  IF (poorest = 1 & v013 = 4) poorest_ag_30to34 = 1.  
  IF (poorest = 0 & v013 = 4) poorest_ag_30to34 = 0.
```

```

COMPUTE poorest_ag_35to39 = $SYSMIS.
  IF (poorest = 1 & v013 = 5) poorest_ag_35to39 = 1.
  IF (poorest = 0 & v013 = 5) poorest_ag_35to39 = 0.
COMPUTE poorest_ag_40to44 = $SYSMIS.
  IF (poorest = 1 & v013 = 6) poorest_ag_40to44 = 1.
  IF (poorest = 0 & v013 = 6) poorest_ag_40to44 = 0.
COMPUTE poorest_ag_45to49 = $SYSMIS.
  IF (poorest = 1 & v013 = 7) poorest_ag_45to49 = 1.
  IF (poorest = 0 & v013 = 7) poorest_ag_45to49 = 0.
COMPUTE poorest_ag_50to54 = $SYSMIS.
  IF (poorest = 1 & v013 = 8) poorest_ag_50to54 = 1.
  IF (poorest = 0 & v013 = 8) poorest_ag_50to54 = 0.
COMPUTE poorest_ag_55to59 = $SYSMIS.
  IF (poorest = 1 & v013 = 9) poorest_ag_55to59 = 1.
  IF (poorest = 0 & v013 = 9) poorest_ag_55to59 = 0.

```

***Step 4b: Compute the estimates by disability (s1105)

```

CROSSTABS poorest by s1105
  /cells count column.

```

```

COMPUTE poorest_disability = $SYSMIS.
  IF (poorest = 1 & s1105 = 1) poorest_disability = 1.
  IF (poorest = 0 & s1105 = 1) poorest_disability = 0.

```

***Step 4c: Compute the estimates by type of location (v025)

```

CROSSTABS poorest by v025
  /cells count column.

```

```

COMPUTE poorest_urban = $SYSMIS.
  IF (poorest = 1 & v025 = 1) poorest_urban = 1.
  IF (poorest = 0 & v025 = 1) poorest_urban = 0.
COMPUTE poorest_rural = $SYSMIS.
  IF (poorest = 1 & v025 = 2) poorest_rural = 1.
  IF (poorest = 0 & v025 = 2) poorest_rural = 0.

```

***Step 5: Compute CV and SE

/* Note: CV that will be generated should be multiplied by 100.

```

csplan analysis
  /plan file='D:\DHS_IR.csplan'
  /planvars analysisweight=wt
  /design strata=stratum CLUSTER=v021
  /estimator type=wr.

```

```

csdescriptives
  /plan file='D:\DHS_IR.csplan'

```

```
/summary variables=poorest poorest_ag_15to19 poorest_ag_20to24 poorest_ag_25to29  
poorest_ag_30to34 poorest_ag_35to39 poorest_ag_40to44 poorest_ag_45to49 poorest_ag_50to54  
poorest_ag_55to59 poorest_disability poorest_urban poorest_rural  
/mean  
/statistics se cv  
/missing scope=analysis classmissing=exclude.
```


Goal 2. End hunger, achieve food security and improved nutrition and promote sustainable agriculture

2.2.3 Prevalence of anaemia in women aged 15 to 49 years, by pregnancy status (percentage)

***Step 1: Import Data

```
GET FILE='D:\OneDrive - UN Women\Toolkit\Data\NPIR7HFL.SAV'.
```

***Step 2: Limit dataset to the denominator of the indicator and replace weight

```
SELECT IF(V012 >= 15 & V012 <= 49).  
/* we are interested in women aged 15-49 years old
```

```
COMPUTE wt=V005 / 1000000.  
COMPUTE stratum = v023.  
WEIGHT by wt.
```

***Step 3: Compute the estimates of anemia in women

```
/* V457 - women with anemia are codes 1 – 3
```

```
COMPUTE anemia = 0.  
if (V457 = 1 | V457 = 2 | V457 = 3) anemia = 1.  
if (SYSMIS(V457)) anemia = $SYSMIS.
```

```
VARIABLE LABELS anemia 'Women with anemia'.  
VALUE LABELS anemia 1 'Yes' 0 'No'.
```

```
FREQUENCY anemia.
```

***Step 4a: Compute the estimates by pregnancy status (v213)

```
CROSSTABS anemia by v213  
/cells count column.
```

```
COMPUTE anemia_pregnant = $SYSMIS.  
IF (anemia = 1 & v213 = 1) anemia_pregnant = 1.  
IF (anemia = 0 & v213 = 1) anemia_pregnant = 0.  
COMPUTE anemia_nonpregnant = $SYSMIS.  
IF (anemia = 1 & v213 = 0) anemia_nonpregnant = 1.  
IF (anemia = 0 & v213 = 0) anemia_nonpregnant = 0.
```

```
FREQUENCY anemia_pregnant.  
FREQUENCY anemia_nonpregnant.
```

***Step 4b: Compute the estimates by wealth index (v190)

```
CROSSTABS anemia by v190  
/cells count column.
```

```
COMPUTE anemia_poorest = $SYSMIS.
```

```
IF (anemia = 1 & v190 = 1) anemia_poorest = 1.
IF (anemia = 0 & v190 = 1) anemia_poorest = 0.
COMPUTE anemia_richest = $SYSMIS.
IF (anemia = 1 & v190 = 5) anemia_richest = 1.
IF (anemia = 0 & v190 = 5) anemia_richest = 0.
```

***Step 4c: Compute the estimates by type of location (v025)

```
CROSSTABS anemia by v025
/cells count column.
```

```
COMPUTE anemia_urban = $SYSMIS.
IF (anemia = 1 & v025 = 1) anemia_urban = 1.
IF (anemia = 0 & v025 = 1) anemia_urban = 0.
COMPUTE anemia_rural = $SYSMIS.
IF (anemia = 1 & v025 = 2) anemia_rural = 1.
IF (anemia = 0 & v025 = 2) anemia_rural = 0.
```

***Step 4d: Compute the estimates by type of location (v025)

```
CROSSTABS anemia by v190 by v025
/cells count column.
```

```
COMPUTE anemia_poorest_urban = $SYSMIS.
IF (anemia = 1 & v190 = 1 & v025 = 1) anemia_poorest_urban = 1.
IF (anemia = 0 & v190 = 1 & v025 = 1) anemia_poorest_urban = 0.
COMPUTE anemia_poorest_rural = $SYSMIS.
IF (anemia = 1 & v190 = 1 & v025 = 2) anemia_poorest_rural = 1.
IF (anemia = 0 & v190 = 1 & v025 = 2) anemia_poorest_rural = 0.
COMPUTE anemia_richest_urban = $SYSMIS.
IF (anemia = 1 & v190 = 5 & v025 = 1) anemia_richest_urban = 1.
IF (anemia = 0 & v190 = 5 & v025 = 1) anemia_richest_urban = 0.
COMPUTE anemia_richest_rural = $SYSMIS.
IF (anemia = 1 & v190 = 5 & v025 = 2) anemia_richest_rural = 1.
IF (anemia = 0 & v190 = 5 & v025 = 2) anemia_richest_rural = 0.
```

***Step 5: Compute CV and SE

```
/* Note: CV that will be generated should be multiplied by 100.
```

```
csplan analysis
/plan file='D:\DHS_IR.csplan'
/planvars analysisweight=wt
/design strata=stratum CLUSTER=v021
/estimator type=wr.
```

```
csdescriptives
/plan file='D:\DHS_IR.csplan'
```

```
/summary variables= anemia anemia_pregnant anemia_nonpregnant anemia_poorest anemia_richest  
anemia_urban anemia_rural anemia_poorest_urban anemia_richest_urban anemia_poorest_rural  
anemia_richest_rural  
/mean  
/statistics se cv  
/missing scope=analysis classmissing=exclude.
```

Goal 3. Ensure healthy lives and promote well-being for all at all ages

3.1.2 Proportion of births attended by skilled health personnel

***Step 1: Import Data

```
GET FILE='D:\OneDrive - UN Women\Toolkit\Data\SLBR7AFL.SAV'.
```

***Step 2: Replace weight presentation

```
COMPUTE wt=v005 / 1000000.  
COMPUTE stratum = v023.  
WEIGHT by wt.
```

***Step 3: Compute the estimates for births attended by skilled health personnel

```
/* births attended by skilled health personnel is determined by type of person providing delivery  
assistance
```

```
/* Doctor (M3A = 1); Nurse/midwife (M3B = 1); Auxiliary nurse/midwife (M3C = 1); Other health worker  
(M3D = 1 or M3E = 1 or M3F = 1)
```

```
COMPUTE birth = 0.  
if (M3A = 1 | M3B = 1 | M3C = 1) birth = 1.  
if (SYSMIS(M3A) & SYSMIS(M3B) & SYSMIS(M3C)) birth = $SYSMIS.
```

```
VARIABLE LABELS birth 'Birth attended by skilled health personnel'.  
VALUE LABELS birth 1 'Yes' 0 'No'.
```

```
FREQUENCY birth.
```

***Step 4: Compute the estimates by wealth index and type of location

```
CROSSTABS birth by v190  
/cells count column.
```

```
CROSSTABS birth by v025  
/cells count column.
```

```
CROSSTABS birth by v190 by v025  
/cells count column.
```

```
COMPUTE birth_poorest = $SYSMIS.  
IF (birth = 1 & v190 = 1) birth_poorest = 1.  
IF (birth = 0 & v190 = 1) birth_poorest = 0.  
COMPUTE birth_richest = $SYSMIS.  
IF (birth = 1 & v190 = 5) birth_richest = 1.  
IF (birth = 0 & v190 = 5) birth_richest = 0.  
COMPUTE birth_urban = $SYSMIS.  
IF (birth = 1 & v025 = 1) birth_urban = 1.  
IF (birth = 0 & v025 = 1) birth_urban = 0.  
COMPUTE birth_rural = $SYSMIS.  
IF (birth = 1 & v025 = 2) birth_rural = 1.
```

```

IF (birth = 0 & v025 = 2) birth_rural = 0.
COMPUTE birth_poorest_urban = $SYSMIS.
IF (birth = 1 & v190 = 1 & v025 = 1) birth_poorest_urban = 1.
IF (birth = 0 & v190 = 1 & v025 = 1) birth_poorest_urban = 0.
COMPUTE birth_poorest_rural = $SYSMIS.
IF (birth = 1 & v190 = 1 & v025 = 2) birth_poorest_rural = 1.
IF (birth = 0 & v190 = 1 & v025 = 2) birth_poorest_rural = 0.
COMPUTE birth_richest_urban = $SYSMIS.
IF (birth = 1 & v190 = 5 & v025 = 1) birth_richest_urban = 1.
IF (birth = 0 & v190 = 5 & v025 = 1) birth_richest_urban = 0.
COMPUTE birth_richest_rural = $SYSMIS.
IF (birth = 1 & v190 = 5 & v025 = 2) birth_richest_rural = 1.
IF (birth = 0 & v190 = 5 & v025 = 2) birth_richest_rural = 0.

```

***Step 5: Compute CV and SE

/* Note: CV that will be generated should be multiplied by 100.

csplan analysis

```

/plan file='D:\DHS_IR.csplan'
/planvars analysisweight=wt
/design strata=stratum CLUSTER=v021
/estimator type=wr.

```

csdescriptives

```

/plan file='D:\DHS_IR.csplan'
/summary variables=birth birth_poorest birth_richest birth_urban birth_rural birth_poorest_urban
birth_richest_urban birth_poorest_rural birth_richest_rural
/mean
/statistics se cv
/missing scope=analysis classmissing=exclude.

```

Goal 3. Ensure healthy lives and promote well-being for all at all ages

3.7.1 Proportion of women of reproductive age (aged 15–49 years) who have their need for family planning satisfied with modern methods

***Step 1: Import Data

```
GET FILE='D:\OneDrive - UN Women\Toolkit\Data\UGIR7BFL.SAV'.
```

***Step 2: Replace weight presentation

```
SELECT IF(V012 >= 15 & V012 <= 49).  
/* we are interested in women ages 15-49 years old
```

```
COMPUTE wt=V005 / 1000000.  
COMPUTE stratum = v023.  
WEIGHT by wt.
```

***Step 3: Compute the estimates for women with met needs for family planning using modern methods

```
/* V313 -current use by method type (0 - no method; 1 - folk ; 2 - traditional; 3 - using modern method)
```

```
COMPUTE modern = $SYSMIS.  
if (V313 = 3) modern = 1.  
if (V313 = 1 | V313 = 2) modern = 0.
```

```
VARIABLE LABELS modern 'Used modern method'.  
VALUE LABELS modern 1 'Yes' 0 'No'.
```

```
FREQUENCY modern.
```

***Step 4: Compute the estimates by wealth index (V190) and type of location (V025)

```
CROSSTABS modern by v190  
/cells count column.
```

```
CROSSTABS modern by v025  
/cells count column.
```

```
CROSSTABS modern by v190 by v025  
/cells count column.
```

```
COMPUTE modern_poorest = $SYSMIS.  
IF (modern = 1 & v190 = 1) modern_poorest = 1.  
IF (modern = 0 & v190 = 1) modern_poorest = 0.  
COMPUTE modern_richest = $SYSMIS.  
IF (modern = 1 & v190 = 5) modern_richest = 1.  
IF (modern = 0 & v190 = 5) modern_richest = 0.  
COMPUTE modern_urban = $SYSMIS.  
IF (modern = 1 & v025 = 1) modern_urban = 1.  
IF (modern = 0 & v025 = 1) modern_urban = 0.  
COMPUTE modern_rural = $SYSMIS.
```

```

IF (modern = 1 & v025 = 2) modern_rural = 1.
IF (modern = 0 & v025 = 2) modern_rural = 0.
COMPUTE modern_poorest_urban = $SYSMIS.
IF (modern = 1 & v190 = 1 & v025 = 1) modern_poorest_urban = 1.
IF (modern = 0 & v190 = 1 & v025 = 1) modern_poorest_urban = 0.
COMPUTE modern_poorest_rural = $SYSMIS.
IF (modern = 1 & v190 = 1 & v025 = 2) modern_poorest_rural = 1.
IF (modern = 0 & v190 = 1 & v025 = 2) modern_poorest_rural = 0.
COMPUTE modern_richest_urban = $SYSMIS.
IF (modern = 1 & v190 = 5 & v025 = 1) modern_richest_urban = 1.
IF (modern = 0 & v190 = 5 & v025 = 1) modern_richest_urban = 0.
COMPUTE modern_richest_rural = $SYSMIS.
IF (modern = 1 & v190 = 5 & v025 = 2) modern_richest_rural = 1.
IF (modern = 0 & v190 = 5 & v025 = 2) modern_richest_rural = 0.

```

***Step 5: Compute CV and SE

/* Note: CV that will be generated should be multiplied by 100.

```

csplan analysis
/plan file='D:\DHS_IR.csplan'
/planvars analysisweight=wt
/design strata=stratum CLUSTER=v021
/estimator type=wr.

csdescriptives
/plan file='D:\DHS_IR.csplan'
/summary variables=modern modern_poorest modern_richest modern_urban modern_rural
modern_poorest_urban modern_richest_urban modern_poorest_rural modern_richest_rural
/mean
/statistics se cv
/missing scope=analysis classmissing=exclude.

```

Goal 4. Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all

4.x Proportion of women with primary or less education

***Step 1: Import Data

```
GET FILE='D:\OneDrive - UN Women\Toolkit\Data\wm.SAV'.
```

***Step 2: Replace weight presentation

```
/*Completed interview
```

```
SELECT IF(WM7==1).
```

```
COMPUTE wt=wmweight.
```

```
COMPUTE stratum = HH7.
```

```
WEIGHT by wt.
```

***Step 3: Compute the estimates for women with primary or less education

```
/* WB5 – ever attended school (1) Yes (2) No; WB6A – highest level attended and WB6B – highest grade attended
```

```
COMPUTE educ = 0.
```

```
if (WB5 = 2) | (WB6A = 1 & WB6B <= 6) educ = 1.
```

```
VARIABLE LABELS educ 'Primary or less education'.
```

```
VALUE LABELS educ 1 'Yes' 0 'No'.
```

```
FREQUENCY educ.
```

***Step 4: Compute the estimates by wealth index (V190) and type of location (V025)

```
CROSSTABS educ by HH6
```

```
/cells count column.
```

```
CROSSTABS educ by windex5
```

```
/cells count column.
```

```
CROSSTABS educ by HH6 by windex5
```

```
/cells count column.
```

```
COMPUTE educ_poorest = $SYSMIS.
```

```
IF (educ = 1 & windex5 = 1) educ_poorest = 1.
```

```
IF (educ = 0 & windex5 = 1) educ_poorest = 0.
```

```
COMPUTE educ_richest = $SYSMIS.
```

```
IF (educ = 1 & windex5 = 5) educ_richest = 1.
```

```
IF (educ = 0 & windex5 = 5) educ_richest = 0.
```

```
COMPUTE educ_urban = $SYSMIS.
```

```
IF (educ = 1 & HH6 = 1) educ_urban = 1.
```

```
IF (educ = 0 & HH6 = 1) educ_urban = 0.
```



```

COMPUTE educ_rural = $SYSMIS.
  IF (educ = 1 & HH6 = 2) educ_rural = 1.
  IF (educ = 0 & HH6 = 2) educ_rural = 0.
COMPUTE educ_poorest_urban = $SYSMIS.
  IF (educ = 1 & HH6 = 1 & windex5 = 1) educ_poorest_urban = 1.
  IF (educ = 0 & HH6 = 1 & windex5 = 1) educ_poorest_urban = 0.
COMPUTE educ_poorest_rural = $SYSMIS.
  IF (educ = 1 & HH6 = 2 & windex5 = 1) educ_poorest_rural = 1.
  IF (educ = 0 & HH6 = 2 & windex5 = 1) educ_poorest_rural = 0.
COMPUTE educ_richest_urban = $SYSMIS.
  IF (educ = 1 & HH6 = 1 & windex5 = 5) educ_richest_urban = 1.
  IF (educ = 0 & HH6 = 1 & windex5 = 5) educ_richest_urban = 0.
COMPUTE educ_richest_rural = $SYSMIS.
  IF (educ = 1 & HH6 = 2 & windex5 = 5) educ_richest_rural = 1.
  IF (educ = 0 & HH6 = 2 & windex5 = 5) educ_richest_rural = 0.

```

***Step 5: Compute CV and SE

/* Note: CV that will be generated should be multiplied by 100.

csplan analysis

```

/plan file='D:\DHS_IR.csplan'
/planvars analysisweight=wt
/design strata=stratum CLUSTER=WM1
/estimator type=wr.

```

csdescriptives

```

/plan file='D:\DHS_IR.csplan'
/summary variables=educ educ_poorest educ_richest educ_urban educ_rural educ_poorest_urban
educ_richest_urban educ_poorest_rural educ_richest_rural
/mean
/statistics se cv
/missing scope=analysis classmissing=exclude.

```

Goal 5. Achieve gender equality and empower all women and girls

5.2.1 Proportion of ever-partnered women and girls aged 15 years and older subjected to physical, sexual or psychological violence by a current or former intimate partner in the previous 12 months, by form of violence and by age

***Step 1: Import Data

```
GET FILE='D:\OneDrive - UN Women\Toolkit\Data\TJIR71FL.SAV'.
```

***Step 2: Limit dataset to the denominator of the indicator and replace weight

```
SELECT IF(V012 >= 15).  
/* we are interested in women aged 15 and over  
/* NOTE: all women in the dataset are ever-married  
  
COMPUTE wt=D005 / 1000000.  
/* the domestic violence has a different weights than other variables  
COMPUTE stratum = v023.  
WEIGHT by wt.
```

***Step 3: Compute the estimates of ever-partnered women and girls subjected to violence of any form by a current or former intimate partner

```
/* Recode variables d111 (physical), d104 (emotional), and d108 (sexual)
```

```
COMPUTE vaw = 0.  
if (D111 = 1 | D104 = 1 | D108 = 1) vaw = 1.  
if (SYSMIS(D111) & SYSMIS(D104) & SYSMIS(D108)) vaw = $SYSMIS.
```

```
VARIABLE LABELS vaw 'Experienced any form of VAW'.  
VALUE LABELS vaw 1 'Yes' 0 'No'.
```

```
FREQUENCY vaw.
```

***Step 4: Compute the estimates by type of violence

```
COMPUTE vaw_type_phy = d111.  
COMPUTE vaw_type_sex = d108.  
COMPUTE vaw_type_emo = d104.  
  
FREQUENCY vaw_type_phy vaw_type_sex vaw_type_emo.  
  
/* Note: CV that will be generated should be multiplied by 100.  
  
csdescriptives  
/plan file='D:\DHS_IR.csplan'  
/summary variables=vaw_type_phy vaw_type_sex vaw_type_emo  
/mean  
/statistics se cv  
/missing scope=analysis classmissing=exclude.
```

***Step 5: Compute the estimates by age (V013)

```
CROSSTABS vaw by v013  
  /cells count column.
```

```
COMPUTE vaw_ag_15to19 = $SYSMIS.  
  IF (vaw = 1 & v013 = 1) vaw_ag_15to19 = 1.  
  IF (vaw = 0 & v013 = 1) vaw_ag_15to19 = 0.  
COMPUTE vaw_ag_20to24 = $SYSMIS.  
  IF (vaw = 1 & v013 = 2) vaw_ag_20to24 = 1.  
  IF (vaw = 0 & v013 = 2) vaw_ag_20to24 = 0.  
COMPUTE vaw_ag_25to29 = $SYSMIS.  
  IF (vaw = 1 & v013 = 3) vaw_ag_25to29 = 1.  
  IF (vaw = 0 & v013 = 3) vaw_ag_25to29 = 0.  
COMPUTE vaw_ag_30to34 = $SYSMIS.  
  IF (vaw = 1 & v013 = 4) vaw_ag_30to34 = 1.  
  IF (vaw = 0 & v013 = 4) vaw_ag_30to34 = 0.  
COMPUTE vaw_ag_35to39 = $SYSMIS.  
  IF (vaw = 1 & v013 = 5) vaw_ag_35to39 = 1.  
  IF (vaw = 0 & v013 = 5) vaw_ag_35to39 = 0.  
COMPUTE vaw_ag_40to44 = $SYSMIS.  
  IF (vaw = 1 & v013 = 6) vaw_ag_40to44 = 1.  
  IF (vaw = 0 & v013 = 6) vaw_ag_40to44 = 0.  
COMPUTE vaw_ag_45to49 = $SYSMIS.  
  IF (vaw = 1 & v013 = 7) vaw_ag_45to49 = 1.  
  IF (vaw = 0 & v013 = 7) vaw_ag_45to49 = 0.
```

/* Note: CV that will be generated should be multiplied by 100.

```
csdescriptives  
/plan file='D:\DHS_IR.csplan'  
/summary variables=vaw_ag_15to19 vaw_ag_20to24 vaw_ag_25to29 vaw_ag_30to34 vaw_ag_35to39  
vaw_ag_40to44 vaw_ag_45to49  
/mean  
/statistics se cv  
/missing scope=analysis classmissing=exclude.
```

***Step 6: Compute the estimates by wealth index and type of location

```
CROSSTABS vaw by v190  
  /cells count column.
```

```
CROSSTABS vaw by v025  
  /cells count column.
```

```
CROSSTABS vaw by v190 by v025  
  /cells count column.
```

```
COMPUTE vaw_wl_poorest = $SYSMIS.  
  IF (vaw = 1 & v190 = 1) vaw_wl_poorest = 1.
```

```

IF (vaw = 0 & v190 = 1) vaw_wl_poorest = 0.
COMPUTE vaw_wl_richest = $SYSMIS.
IF (vaw = 1 & v190 = 5) vaw_wl_richest = 1.
IF (vaw = 0 & v190 = 5) vaw_wl_richest = 0.
COMPUTE vaw_wl_urban = $SYSMIS.
IF (vaw = 1 & v025 = 1) vaw_wl_urban = 1.
IF (vaw = 0 & v025 = 1) vaw_wl_urban = 0.
COMPUTE vaw_wl_rural = $SYSMIS.
IF (vaw = 1 & v025 = 2) vaw_wl_rural = 1.
IF (vaw = 0 & v025 = 2) vaw_wl_rural = 0.
COMPUTE vaw_wl_poorest_urban = $SYSMIS.
IF (vaw = 1 & v190 = 1 & v025 = 1) vaw_wl_poorest_urban = 1.
IF (vaw = 0 & v190 = 1 & v025 = 1) vaw_wl_poorest_urban = 0.
COMPUTE vaw_wl_poorest_rural = $SYSMIS.
IF (vaw = 1 & v190 = 1 & v025 = 2) vaw_wl_poorest_rural = 1.
IF (vaw = 0 & v190 = 1 & v025 = 2) vaw_wl_poorest_rural = 0.
COMPUTE vaw_wl_richest_urban = $SYSMIS.
IF (vaw = 1 & v190 = 5 & v025 = 1) vaw_wl_richest_urban = 1.
IF (vaw = 0 & v190 = 5 & v025 = 1) vaw_wl_richest_urban = 0.
COMPUTE vaw_wl_richest_rural = $SYSMIS.
IF (vaw = 1 & v190 = 5 & v025 = 2) vaw_wl_richest_rural = 1.
IF (vaw = 0 & v190 = 5 & v025 = 2) vaw_wl_richest_rural = 0.

```

***Step 5: Compute CV and SE

/* Note: CV that will be generated should be multiplied by 100.

csplan analysis

```

/plan file='D:\DHS_IR.csplan'
/planvars analysisweight=wt
/design strata=stratum CLUSTER=v021
/estimator type=wr.

```

csdescriptives

```

/plan file='D:\DHS_IR.csplan'
/summary variables=vaw_wl_poorest vaw_wl_richest vaw_wl_urban vaw_wl_rural
vaw_wl_poorest_urban vaw_wl_richest_urban vaw_wl_poorest_rural vaw_wl_richest_rural
/mean
/statistics se cv
/missing scope=analysis classmissing=exclude.

```

Goal 5. Achieve gender equality and empower all women and girls

5.3.1 Proportion of women aged 20–24 years who were married or in a union before age 15 and before age 18

***Step 1: Import Data

```
GET FILE='D:\OneDrive - UN Women\Toolkit\Data\EGIR61FL.SAV'.
```

***Step 2: Limit dataset to the denominator of the indicator and replace weight

```
SELECT IF(V012 >= 20 & V012 <= 24).  
/* we are interested in women ages 20-24 years old
```

```
COMPUTE wt=V005 / 1000000.  
COMPUTE stratum = v023.  
WEIGHT by wt.
```

***Step 3: Compute the estimates for women who were married or in a union before age 15 and before age 18

```
/* V511 = age at first cohabitation
```

```
COMPUTE b15 = $SYSMIS.  
if (V511 < 15) b15 = 1.  
if (V511 >= 15) b15 = 0.
```

```
COMPUTE b18 = $SYSMIS.  
if (V511 < 18) b18 = 1.  
if (V511 >= 18) b18 = 0.
```

```
VARIABLE LABELS b15 'Married before age 15'.  
VALUE LABELS b15 1 'Yes' 0 'No'.  
VARIABLE LABELS b18 'Married before age 18'.  
VALUE LABELS b18 1 'Yes' 0 'No'.
```

```
FREQUENCY b15.  
FREQUENCY b18.
```

***Step 4a: Compute the estimates by wealth index (V190) and type of location (V025) for marriage before age 15

```
CROSSTABS b15 by v190  
/cells count column.
```

```
CROSSTABS b15 by v025  
/cells count column.
```

```
CROSSTABS b15 by v190 by v025  
/cells count column.
```

```
COMPUTE b15_poorest = $SYSMIS.
```

```

IF (b15 = 1 & v190 = 1) b15_poorest = 1.
IF (b15 = 0 & v190 = 1) b15_poorest = 0.
COMPUTE b15_richest = $SYSMIS.
IF (b15 = 1 & v190 = 5) b15_richest = 1.
IF (b15 = 0 & v190 = 5) b15_richest = 0.
COMPUTE b15_urban = $SYSMIS.
IF (b15 = 1 & v025 = 1) b15_urban = 1.
IF (b15 = 0 & v025 = 1) b15_urban = 0.
COMPUTE b15_rural = $SYSMIS.
IF (b15 = 1 & v025 = 2) b15_rural = 1.
IF (b15 = 0 & v025 = 2) b15_rural = 0.
COMPUTE b15_poorest_urban = $SYSMIS.
IF (b15 = 1 & v190 = 1 & v025 = 1) b15_poorest_urban = 1.
IF (b15 = 0 & v190 = 1 & v025 = 1) b15_poorest_urban = 0.
COMPUTE b15_poorest_rural = $SYSMIS.
IF (b15 = 1 & v190 = 1 & v025 = 2) b15_poorest_rural = 1.
IF (b15 = 0 & v190 = 1 & v025 = 2) b15_poorest_rural = 0.
COMPUTE b15_richest_urban = $SYSMIS.
IF (b15 = 1 & v190 = 5 & v025 = 1) b15_richest_urban = 1.
IF (b15 = 0 & v190 = 5 & v025 = 1) b15_richest_urban = 0.
COMPUTE b15_richest_rural = $SYSMIS.
IF (b15 = 1 & v190 = 5 & v025 = 2) b15_richest_rural = 1.
IF (b15 = 0 & v190 = 5 & v025 = 2) b15_richest_rural = 0.

```

*****Step 4b: Compute the estimates by wealth index (V190) and type of location (V025) for marriage before age 18**

```

CROSSTABS b18 by v190
/cells count column.

```

```

CROSSTABS b18 by v025
/cells count column.

```

```

CROSSTABS b18 by v190 by v025
/cells count column.

```

```

COMPUTE b18_poorest = $SYSMIS.
IF (b18 = 1 & v190 = 1) b18_poorest = 1.
IF (b18 = 0 & v190 = 1) b18_poorest = 0.
COMPUTE b18_richest = $SYSMIS.
IF (b18 = 1 & v190 = 5) b18_richest = 1.
IF (b18 = 0 & v190 = 5) b18_richest = 0.
COMPUTE b18_urban = $SYSMIS.
IF (b18 = 1 & v025 = 1) b18_urban = 1.
IF (b18 = 0 & v025 = 1) b18_urban = 0.
COMPUTE b18_rural = $SYSMIS.
IF (b18 = 1 & v025 = 2) b18_rural = 1.
IF (b18 = 0 & v025 = 2) b18_rural = 0.
COMPUTE b18_poorest_urban = $SYSMIS.
IF (b18 = 1 & v190 = 1 & v025 = 1) b18_poorest_urban = 1.

```

```

IF (b18 = 0 & v190 = 1 & v025 = 1) b18_poorest_urban = 0.
COMPUTE b18_poorest_rural = $SYSMIS.
IF (b18 = 1 & v190 = 1 & v025 = 2) b18_poorest_rural = 1.
IF (b18 = 0 & v190 = 1 & v025 = 2) b18_poorest_rural = 0.
COMPUTE b18_richest_urban = $SYSMIS.
IF (b18 = 1 & v190 = 5 & v025 = 1) b18_richest_urban = 1.
IF (b18 = 0 & v190 = 5 & v025 = 1) b18_richest_urban = 0.
COMPUTE b18_richest_rural = $SYSMIS.
IF (b18 = 1 & v190 = 5 & v025 = 2) b18_richest_rural = 1.
IF (b18 = 0 & v190 = 5 & v025 = 2) b18_richest_rural = 0.

```

***Step 5: Compute CV and SE

/* Note: CV that will be generated should be multiplied by 100.

csplan analysis

```

/plan file='D:\DHS_IR.csplan'
/planvars analysisweight=wt
/design strata=stratum CLUSTER=v021
/estimator type=wr.

```

csdescriptives

```

/plan file='D:\DHS_IR.csplan'
/summary variables=b15 b15_poorest b15_richest b15_urban b15_rural b15_poorest_urban
b15_richest_urban b15_poorest_rural b15_richest_rural
/mean
/statistics se cv
/missing scope=analysis classmissing=exclude.

```

csdescriptives

```

/plan file='D:\DHS_IR.csplan'
/summary variables=b18 b18_poorest b18_richest b18_urban b18_rural b18_poorest_urban
b18_richest_urban b18_poorest_rural b18_richest_rural
/mean
/statistics se cv
/missing scope=analysis classmissing=exclude.

```

Goal 5. Achieve gender equality and empower all women and girls

5.6.1 Proportion of women aged 15–49 years who make their own informed decisions regarding contraceptive use and reproductive health care⁶

***Step 1: Import Data

```
GET FILE='D:\OneDrive - UN Women\Toolkit\Data\KYIR61FL.SAV'.
```

***Step 2: Limit dataset to the denominator of the indicator and replace weight

```
SELECT IF(V012 >= 15 & V012 <= 49).  
/* we are interested in women ages 15-49 years old
```

```
COMPUTE wt=V005 / 1000000.  
COMPUTE stratum = v023.  
WEIGHT by wt.
```

***Step 3a: Compute the estimates for women who make their own informed decisions regarding contraceptive use

```
/* V632 - decision maker for using contraception; 1 is respondent alone
```

```
COMPUTE cudecision = $SYSMIS.  
if (V632 = 1) cudecision = 1.  
if (V632 = 2 | V632 = 3 | V632 = 6) cudecision = 0.
```

```
VARIABLE LABELS cudecision 'Makes own decision - CU'.  
VALUE LABELS cudecision 1 'Yes' 0 'No'.
```

```
FREQUENCY cudecision.
```

***Step 3b: Compute the estimates for women who make their own informed decisions regarding reproductive health care

```
/* v743a - person who usually decides on respondent's health care; 1 is respondent alone
```

```
COMPUTE rhdecision = $SYSMIS.  
if (V632 = 1) rhdecision = 1.  
if (v743a = 2 | v743a = 3 | v743a = 4 | v743a = 5) rhdecision = 0.
```

```
VARIABLE LABELS rhdecision 'Makes own decision - RH'.  
VALUE LABELS rhdecision 1 'Yes' 0 'No'.
```

```
FREQUENCY rhdecision.
```

***Step 4a: Compute the contraceptive use decisions estimates by wealth index (V190) and type of location (V025)

⁶ Full SDG indicator: Proportion of women aged 15–49 years who make their own informed decisions regarding sexual relations, contraceptive use and reproductive health care. Computation should be made as a combination of all three components. However, since this country dataset only had two out of three components, the variables were computed separately.

CROSSTABS cudecision by v190
/cells count column.

CROSSTABS cudecision by v025
/cells count column.

CROSSTABS cudecision by v190 by v025
/cells count column.

```
COMPUTE cudecision_poorest = $SYSMIS.  
  IF (cudecision = 1 & v190 = 1) cudecision_poorest = 1.  
  IF (cudecision = 0 & v190 = 1) cudecision_poorest = 0.  
COMPUTE cudecision_richest = $SYSMIS.  
  IF (cudecision = 1 & v190 = 5) cudecision_richest = 1.  
  IF (cudecision = 0 & v190 = 5) cudecision_richest = 0.  
COMPUTE cudecision_urban = $SYSMIS.  
  IF (cudecision = 1 & v025 = 1) cudecision_urban = 1.  
  IF (cudecision = 0 & v025 = 1) cudecision_urban = 0.  
COMPUTE cudecision_rural = $SYSMIS.  
  IF (cudecision = 1 & v025 = 2) cudecision_rural = 1.  
  IF (cudecision = 0 & v025 = 2) cudecision_rural = 0.  
COMPUTE cudecision_poorest_urban = $SYSMIS.  
  IF (cudecision = 1 & v190 = 1 & v025 = 1) cudecision_poorest_urban = 1.  
  IF (cudecision = 0 & v190 = 1 & v025 = 1) cudecision_poorest_urban = 0.  
COMPUTE cudecision_poorest_rural = $SYSMIS.  
  IF (cudecision = 1 & v190 = 1 & v025 = 2) cudecision_poorest_rural = 1.  
  IF (cudecision = 0 & v190 = 1 & v025 = 2) cudecision_poorest_rural = 0.  
COMPUTE cudecision_richest_urban = $SYSMIS.  
  IF (cudecision = 1 & v190 = 5 & v025 = 1) cudecision_richest_urban = 1.  
  IF (cudecision = 0 & v190 = 5 & v025 = 1) cudecision_richest_urban = 0.  
COMPUTE cudecision_richest_rural = $SYSMIS.  
  IF (cudecision = 1 & v190 = 5 & v025 = 2) cudecision_richest_rural = 1.  
  IF (cudecision = 0 & v190 = 5 & v025 = 2) cudecision_richest_rural = 0.
```

*****Step 4b: Compute the reproductive health decisions estimates by wealth index (V190) and type of location (V025)**

CROSSTABS rhdecision by v190
/cells count column.

CROSSTABS rhdecision by v025
/cells count column.

CROSSTABS rhdecision by v190 by v025
/cells count column.

```
COMPUTE rhdecision_poorest = $SYSMIS.  
  IF (rhdecision = 1 & v190 = 1) rhdecision_poorest = 1.  
  IF (rhdecision = 0 & v190 = 1) rhdecision_poorest = 0.
```

```

COMPUTE rhdecision_richest = $SYSMIS.
  IF (rhdecision = 1 & v190 = 5) rhdecision_richest = 1.
  IF (rhdecision = 0 & v190 = 5) rhdecision_richest = 0.
COMPUTE rhdecision_urban = $SYSMIS.
  IF (rhdecision = 1 & v025 = 1) rhdecision_urban = 1.
  IF (rhdecision = 0 & v025 = 1) rhdecision_urban = 0.
COMPUTE rhdecision_rural = $SYSMIS.
  IF (rhdecision = 1 & v025 = 2) rhdecision_rural = 1.
  IF (rhdecision = 0 & v025 = 2) rhdecision_rural = 0.
COMPUTE rhdecision_poorest_urban = $SYSMIS.
  IF (rhdecision = 1 & v190 = 1 & v025 = 1) rhdecision_poorest_urban = 1.
  IF (rhdecision = 0 & v190 = 1 & v025 = 1) rhdecision_poorest_urban = 0.
COMPUTE rhdecision_poorest_rural = $SYSMIS.
  IF (rhdecision = 1 & v190 = 1 & v025 = 2) rhdecision_poorest_rural = 1.
  IF (rhdecision = 0 & v190 = 1 & v025 = 2) rhdecision_poorest_rural = 0.
COMPUTE rhdecision_richest_urban = $SYSMIS.
  IF (rhdecision = 1 & v190 = 5 & v025 = 1) rhdecision_richest_urban = 1.
  IF (rhdecision = 0 & v190 = 5 & v025 = 1) rhdecision_richest_urban = 0.
COMPUTE rhdecision_richest_rural = $SYSMIS.
  IF (rhdecision = 1 & v190 = 5 & v025 = 2) rhdecision_richest_rural = 1.
  IF (rhdecision = 0 & v190 = 5 & v025 = 2) rhdecision_richest_rural = 0.

```

***Step 5: Compute CV and SE

/* Note: CV that will be generated should be multiplied by 100.

csplan analysis

```

/plan file='D:\DHS_IR.csplan'
/planvars analysisweight=wt
/design strata=stratum CLUSTER=v021
/estimator type=wr.

```

csdescriptives

```

/plan file='D:\DHS_IR.csplan'
/summary variables=cudecision cudecision_poorest cudecision_richest cudecision_urban
cudecision_rural cudecision_poorest_urban cudecision_richest_urban cudecision_poorest_rural
cudecision_richest_rural
/mean
/statistics se cv
/missing scope=analysis classmissing=exclude.

```

csdescriptives

```

/plan file='D:\DHS_IR.csplan'
/summary variables=rhdecision rhdecision_poorest rhdecision_richest rhdecision_urban
rhdecision_rural rhdecision_poorest_urban rhdecision_richest_urban rhdecision_poorest_rural
rhdecision_richest_rural
/mean
/statistics se cv
/missing scope=analysis classmissing=exclude.

```

Goal 5. Achieve gender equality and empower all women and girls

5.b.1 Proportion of women who own a mobile telephone⁷

***Step 1: Import Data

```
GET FILE='D:\OneDrive - UN Women\Toolkit\Data\JOIR73FL.SAV'.
```

***Step 2: Replace weight presentation

```
SELECT IF(V012 >= 15).  
/* we are interested in women aged 15 years and older
```

```
COMPUTE wt=V005 / 1000000.  
COMPUTE stratum = v023.  
WEIGHT by wt.
```

***Step 3: Compute the estimates for women who own a mobile telephone

```
/* V169A – owns a mobile telephone
```

```
COMPUTE mobile = 0.  
  if (V169A = 1) mobile = 1.  
  if (SYSMIS(V169A)) mobile = $SYSMIS.
```

```
VARIABLE LABELS mobile 'Owns a mobile telephone'.  
VALUE LABELS mobile 1 'Yes' 0 'No'.
```

```
FREQUENCY mobile.
```

***Step 4: Compute the estimates by wealth index (V190) and type of location (V025)

```
CROSSTABS mobile by v190  
  /cells count column.
```

```
CROSSTABS mobile by v025  
  /cells count column.
```

```
CROSSTABS mobile by v190 by v025  
  /cells count column.
```

```
COMPUTE mobile_poorest = $SYSMIS.  
  IF (mobile = 1 & v190 = 1) mobile_poorest = 1.  
  IF (mobile = 0 & v190 = 1) mobile_poorest = 0.  
COMPUTE mobile_richest = $SYSMIS.  
  IF (mobile = 1 & v190 = 5) mobile_richest = 1.  
  IF (mobile = 0 & v190 = 5) mobile_richest = 0.  
COMPUTE mobile_urban = $SYSMIS.  
  IF (mobile = 1 & v025 = 1) mobile_urban = 1.  
  IF (mobile = 0 & v025 = 1) mobile_urban = 0.
```

⁷ Full SDG indicator: Proportion of individuals who own a mobile telephone, by sex

```

COMPUTE mobile_rural = $SYSMIS.
  IF (mobile = 1 & v025 = 2) mobile_rural = 1.
  IF (mobile = 0 & v025 = 2) mobile_rural = 0.
COMPUTE mobile_poorest_urban = $SYSMIS.
  IF (mobile = 1 & v190 = 1 & v025 = 1) mobile_poorest_urban = 1.
  IF (mobile = 0 & v190 = 1 & v025 = 1) mobile_poorest_urban = 0.
COMPUTE mobile_poorest_rural = $SYSMIS.
  IF (mobile = 1 & v190 = 1 & v025 = 2) mobile_poorest_rural = 1.
  IF (mobile = 0 & v190 = 1 & v025 = 2) mobile_poorest_rural = 0.
COMPUTE mobile_richest_urban = $SYSMIS.
  IF (mobile = 1 & v190 = 5 & v025 = 1) mobile_richest_urban = 1.
  IF (mobile = 0 & v190 = 5 & v025 = 1) mobile_richest_urban = 0.
COMPUTE mobile_richest_rural = $SYSMIS.
  IF (mobile = 1 & v190 = 5 & v025 = 2) mobile_richest_rural = 1.
  IF (mobile = 0 & v190 = 5 & v025 = 2) mobile_richest_rural = 0.

```

***Step 5: Compute CV and SE

/* Note: CV that will be generated should be multiplied by 100.

csplan analysis

```

/plan file='D:\DHS_IR.csplan'
/planvars analysisweight=wt
/design strata=stratum CLUSTER=v021
/estimator type=wr.

```

csdescriptives

```

/plan file='D:\DHS_IR.csplan'
/summary variables=mobile mobile_poorest mobile_richest mobile_urban mobile_rural
mobile_poorest_urban mobile_richest_urban mobile_poorest_rural mobile_richest_rural
/mean
/statistics se cv
/missing scope=analysis classmissing=exclude.

```

Goal 7. Ensure access to affordable, reliable, sustainable and modern energy for all

7.1.2 Proportion of population with primary reliance on clean fuels and technology

***Step 1: Import Data

```
GET FILE='D:\OneDrive - UN Women\Toolkit\Data\BDIR7RFL.SAV'.
```

***Step 2: Replace weight presentation

```
COMPUTE wt=V005 / 1000000.  
COMPUTE stratum = V023.  
WEIGHT by wt.
```

***Step 3: Compute the estimates for women who used clean fuels in cooking

```
/* v161 - type of cooking fuel  
/* clean fuels include electricity (1), liquefied petroleum gas (2), natural gas (3), and biogas (4).  
/* codes 5 - 11 and 96 are not clean fuels  
/* codes 95 and 97 are NA
```

```
COMPUTE cleanf = $SYSMIS.  
if range(V161,1,4) cleanf = 1.  
if range(V161,5,11) cleanf = 0.  
if (V161 = 96) cleanf = 0.
```

```
VARIABLE LABELS cleanf "Used clean fuel in cooking".  
VALUE LABELS cleanf 1 'Yes' 0 'No'.
```

```
FREQUENCY cleanf.
```

***Step 4: Compute the estimates by wealth index (V190) and type of location (V025)

```
CROSSTABS cleanf by v190  
/cells count column.
```

```
CROSSTABS cleanf by v025  
/cells count column.
```

```
CROSSTABS cleanf by v190 by v025  
/cells count column.
```

```
COMPUTE cleanf_poorest = $SYSMIS.  
IF (cleanf = 1 & v190 = 1) cleanf_poorest = 1.  
IF (cleanf = 0 & v190 = 1) cleanf_poorest = 0.  
COMPUTE cleanf_richest = $SYSMIS.  
IF (cleanf = 1 & v190 = 5) cleanf_richest = 1.  
IF (cleanf = 0 & v190 = 5) cleanf_richest = 0.  
COMPUTE cleanf_urban = $SYSMIS.  
IF (cleanf = 1 & v025 = 1) cleanf_urban = 1.  
IF (cleanf = 0 & v025 = 1) cleanf_urban = 0.
```

```

COMPUTE cleanf_rural = $SYSMIS.
  IF (cleanf = 1 & v025 = 2) cleanf_rural = 1.
  IF (cleanf = 0 & v025 = 2) cleanf_rural = 0.
COMPUTE cleanf_poorest_urban = $SYSMIS.
  IF (cleanf = 1 & v190 = 1 & v025 = 1) cleanf_poorest_urban = 1.
  IF (cleanf = 0 & v190 = 1 & v025 = 1) cleanf_poorest_urban = 0.
COMPUTE cleanf_poorest_rural = $SYSMIS.
  IF (cleanf = 1 & v190 = 1 & v025 = 2) cleanf_poorest_rural = 1.
  IF (cleanf = 0 & v190 = 1 & v025 = 2) cleanf_poorest_rural = 0.
COMPUTE cleanf_richest_urban = $SYSMIS.
  IF (cleanf = 1 & v190 = 5 & v025 = 1) cleanf_richest_urban = 1.
  IF (cleanf = 0 & v190 = 5 & v025 = 1) cleanf_richest_urban = 0.
COMPUTE cleanf_richest_rural = $SYSMIS.
  IF (cleanf = 1 & v190 = 5 & v025 = 2) cleanf_richest_rural = 1.
  IF (cleanf = 0 & v190 = 5 & v025 = 2) cleanf_richest_rural = 0.

```

***Step 5: Compute CV and SE

/* Note: CV that will be generated should be multiplied by 100.

```

csplan analysis
  /plan file='D:\DHS_IR.csplan'
  /planvars analysisweight=wt
  /design strata=stratum CLUSTER=v021
  /estimator type=wr.

csdescriptives
  /plan file='D:\DHS_IR.csplan'
  /summary variables=cleanf cleanf_poorest cleanf_richest cleanf_urban cleanf_rural
  cleanf_poorest_urban cleanf_richest_urban cleanf_poorest_rural cleanf_richest_rural
  /mean
  /statistics se cv
  /missing scope=analysis classmissing=exclude.

```

Goal 8. Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all

8.10.2 Proportion of adults (15 years and older) with an account at a bank or other financial institution or with a mobile-money-service provider

*****Step 1: Import Data**

```
GET FILE='D:\OneDrive - UN Women\Toolkit\Data\TZIR7BFL.SAV'.
```

*****Step 2: Limit dataset to the denominator of the indicator and replace weight**

```
SELECT IF(V012 >= 15).  
/* we are interested in women aged 15 years and older
```

```
COMPUTE wt=V005 / 1000000.  
COMPUTE stratum = v023.  
WEIGHT by wt.
```

*****Step 3: Compute the estimates for women who has bank account in the last 12 months**

```
/*V170 - has an account in a bank or other financial institution
```

```
COMPUTE bank = 0.  
  if (V170 = 1) bank = 1.  
  if (SYSMIS(V170)) bank = $SYSMIS.
```

```
VARIABLE LABELS bank 'Has a bank account'.  
VALUE LABELS bank 1 'Yes' 0 'No'.
```

```
FREQUENCY bank.
```

*****Step 4: Compute the estimates by wealth index (V190) and type of location (V025)**

```
CROSSTABS bank by v190  
  /cells count column.
```

```
CROSSTABS bank by v025  
  /cells count column.
```

```
CROSSTABS bank by v190 by v025  
  /cells count column.
```

```
COMPUTE bank_poorest = $SYSMIS.  
  IF (bank = 1 & v190 = 1) bank_poorest = 1.  
  IF (bank = 0 & v190 = 1) bank_poorest = 0.  
COMPUTE bank_richest = $SYSMIS.  
  IF (bank = 1 & v190 = 5) bank_richest = 1.  
  IF (bank = 0 & v190 = 5) bank_richest = 0.  
COMPUTE bank_urban = $SYSMIS.  
  IF (bank = 1 & v025 = 1) bank_urban = 1.  
  IF (bank = 0 & v025 = 1) bank_urban = 0.
```

```

COMPUTE bank_rural = $SYSMIS.
  IF (bank = 1 & v025 = 2) bank_rural = 1.
  IF (bank = 0 & v025 = 2) bank_rural = 0.
COMPUTE bank_poorest_urban = $SYSMIS.
  IF (bank = 1 & v190 = 1 & v025 = 1) bank_poorest_urban = 1.
  IF (bank = 0 & v190 = 1 & v025 = 1) bank_poorest_urban = 0.
COMPUTE bank_poorest_rural = $SYSMIS.
  IF (bank = 1 & v190 = 1 & v025 = 2) bank_poorest_rural = 1.
  IF (bank = 0 & v190 = 1 & v025 = 2) bank_poorest_rural = 0.
COMPUTE bank_richest_urban = $SYSMIS.
  IF (bank = 1 & v190 = 5 & v025 = 1) bank_richest_urban = 1.
  IF (bank = 0 & v190 = 5 & v025 = 1) bank_richest_urban = 0.
COMPUTE bank_richest_rural = $SYSMIS.
  IF (bank = 1 & v190 = 5 & v025 = 2) bank_richest_rural = 1.
  IF (bank = 0 & v190 = 5 & v025 = 2) bank_richest_rural = 0.

```

***Step 5: Compute CV and SE

/* Note: CV that will be generated should be multiplied by 100.

csplan analysis

```

/plan file='D:\DHS_IR.csplan'
/planvars analysisweight=wt
/design strata=stratum CLUSTER=v021
/estimator type=wr.

```

csdescriptives

```

/plan file='D:\DHS_IR.csplan'
/summary variables=bank bank_poorest bank_richest bank_urban bank_rural bank_poorest_urban
bank_richest_urban bank_poorest_rural bank_richest_rural
/mean
/statistics se cv
/missing scope=analysis classmissing=exclude.

```


Goal 16. Promote peaceful and inclusive societies for sustainable development, provide access to justice for all and build effective, accountable and inclusive institutions at all levels
16.2.3 Proportion of young women aged 18–29 years who experienced sexual violence by age 18

*****Step 1: Import Data**

```
GET FILE='D:\OneDrive - UN Women\Toolkit\Data\SNIR8BFL.SAV'.
```

*****Step 2: Limit dataset to the denominator of the indicator and replace weight**

```
SELECT IF(V012 >= 18 & V012 <= 29).  
/* we are interested in women aged between 18 and 29
```

```
COMPUTE wt=D005 / 1000000.  
COMPUTE stratum = v023.  
WEIGHT by wt.
```

*****Step 3: Compute the estimates for women who experienced sexual violence by age 18**

```
/* D126 - age at first forced sexual act
```

```
COMPUTE sv18 = 0.  
  if (D126 <= 18) sv18 = 1.  
  if (SYSMIS(D126)) sv18 = $SYSMIS.
```

```
VARIABLE LABELS sv18 'Experienced sexual violence by age 18'.  
VALUE LABELS sv18 1 'Yes' 0 'No'.
```

```
FREQUENCY sv18.
```

*****Step 4: Compute the estimates by wealth index (V190) and type of location (V025)**

```
CROSSTABS sv18 by v190  
  /cells count column.
```

```
CROSSTABS sv18 by v025  
  /cells count column.
```

```
CROSSTABS sv18 by v190 by v025  
  /cells count column.
```

```
COMPUTE sv18_poorest = $SYSMIS.  
  IF (sv18 = 1 & v190 = 1) sv18_poorest = 1.  
  IF (sv18 = 0 & v190 = 1) sv18_poorest = 0.  
COMPUTE sv18_richest = $SYSMIS.  
  IF (sv18 = 1 & v190 = 5) sv18_richest = 1.  
  IF (sv18 = 0 & v190 = 5) sv18_richest = 0.  
COMPUTE sv18_urban = $SYSMIS.  
  IF (sv18 = 1 & v025 = 1) sv18_urban = 1.
```

```

IF (sv18 = 0 & v025 = 1) sv18_urban = 0.
COMPUTE sv18_rural = $SYSMIS.
IF (sv18 = 1 & v025 = 2) sv18_rural = 1.
IF (sv18 = 0 & v025 = 2) sv18_rural = 0.
COMPUTE sv18_poorest_urban = $SYSMIS.
IF (sv18 = 1 & v190 = 1 & v025 = 1) sv18_poorest_urban = 1.
IF (sv18 = 0 & v190 = 1 & v025 = 1) sv18_poorest_urban = 0.
COMPUTE sv18_poorest_rural = $SYSMIS.
IF (sv18 = 1 & v190 = 1 & v025 = 2) sv18_poorest_rural = 1.
IF (sv18 = 0 & v190 = 1 & v025 = 2) sv18_poorest_rural = 0.
COMPUTE sv18_richest_urban = $SYSMIS.
IF (sv18 = 1 & v190 = 5 & v025 = 1) sv18_richest_urban = 1.
IF (sv18 = 0 & v190 = 5 & v025 = 1) sv18_richest_urban = 0.
COMPUTE sv18_richest_rural = $SYSMIS.
IF (sv18 = 1 & v190 = 5 & v025 = 2) sv18_richest_rural = 1.
IF (sv18 = 0 & v190 = 5 & v025 = 2) sv18_richest_rural = 0.

```

***Step 5: Compute CV and SE

/* Note: CV that will be generated should be multiplied by 100.

csplan analysis

```

/plan file='D:\DHS_IR.csplan'
/planvars analysisweight=wt
/design strata=stratum CLUSTER=v021
/estimator type=wr.

```

csdescriptives

```

/plan file='D:\DHS_IR.csplan'
/summary variables=sv18 sv18_poorest sv18_richest sv18_urban sv18_rural sv18_poorest_urban
sv18_richest_urban sv18_poorest_rural sv18_richest_rural
/mean
/statistics se cv
/missing scope=analysis classmissing=exclude.

```

Goal 17. Strengthen the means of implementation and revitalize the Global Partnership for Sustainable Development

17.8.1 Proportion of women using the Internet in the last 12 months⁸

***Step 1: Import Data

```
GET FILE='D:\OneDrive - UN Women\Toolkit\Data\CMIR71FL.SAV'.
```

***Step 2: Replace weight presentation

```
COMPUTE wt=V005 / 1000000.  
COMPUTE stratum = v023.  
WEIGHT by wt.
```

***Step 3: Compute the estimates for women who used the Internet in the last 12 months

```
/* v171a - use of Internet: (0) never (1) yes, last 12 months (2) yes, before last 12 months
```

```
COMPUTE internet = 0.  
  if (V171A = 1) internet = 1.  
  if (SYSMIS(V171A)) internet = $SYSMIS.
```

```
VARIABLE LABELS internet 'Used internet in the last 12 months'.  
VALUE LABELS internet 1 'Yes' 0 'No'.
```

```
FREQUENCY internet.
```

***Step 4: Compute the estimates by wealth index (V190) and type of location (V025)

```
CROSSTABS internet by v190  
  /cells count column.
```

```
CROSSTABS internet by v025  
  /cells count column.
```

```
CROSSTABS internet by v190 by v025  
  /cells count column.
```

```
COMPUTE internet_poorest = $SYSMIS.  
  IF (internet = 1 & v190 = 1) internet_poorest = 1.  
  IF (internet = 0 & v190 = 1) internet_poorest = 0.  
COMPUTE internet_richest = $SYSMIS.  
  IF (internet = 1 & v190 = 5) internet_richest = 1.  
  IF (internet = 0 & v190 = 5) internet_richest = 0.  
COMPUTE internet_urban = $SYSMIS.  
  IF (internet = 1 & v025 = 1) internet_urban = 1.  
  IF (internet = 0 & v025 = 1) internet_urban = 0.  
COMPUTE internet_rural = $SYSMIS.  
  IF (internet = 1 & v025 = 2) internet_rural = 1.
```

⁸ The full SDG goal is: Proportion of individuals using the Internet in the last three months.

```

IF (internet = 0 & v025 = 2) internet_rural = 0.
COMPUTE internet_poorest_urban = $SYSMIS.
IF (internet = 1 & v190 = 1 & v025 = 1) internet_poorest_urban = 1.
IF (internet = 0 & v190 = 1 & v025 = 1) internet_poorest_urban = 0.
COMPUTE internet_poorest_rural = $SYSMIS.
IF (internet = 1 & v190 = 1 & v025 = 2) internet_poorest_rural = 1.
IF (internet = 0 & v190 = 1 & v025 = 2) internet_poorest_rural = 0.
COMPUTE internet_richest_urban = $SYSMIS.
IF (internet = 1 & v190 = 5 & v025 = 1) internet_richest_urban = 1.
IF (internet = 0 & v190 = 5 & v025 = 1) internet_richest_urban = 0.
COMPUTE internet_richest_rural = $SYSMIS.
IF (internet = 1 & v190 = 5 & v025 = 2) internet_richest_rural = 1.
IF (internet = 0 & v190 = 5 & v025 = 2) internet_richest_rural = 0.

```

*****Step 5: Compute CV and SE**

/ Note: CV that will be generated should be multiplied by 100.*

```

csplan analysis
/plan file='D:\DHS_IR.csplan'
/planvars analysisweight=wt
/design strata=stratum CLUSTER=v021
/estimator type=wr.

csdescriptives
/plan file='D:\DHS_IR.csplan'
/summary variables=internet internet_poorest internet_richest internet_urban internet_rural
internet_poorest_urban internet_richest_urban internet_poorest_rural internet_richest_rural
/mean
/statistics se cv
/missing scope=analysis classmissing=exclude.

```