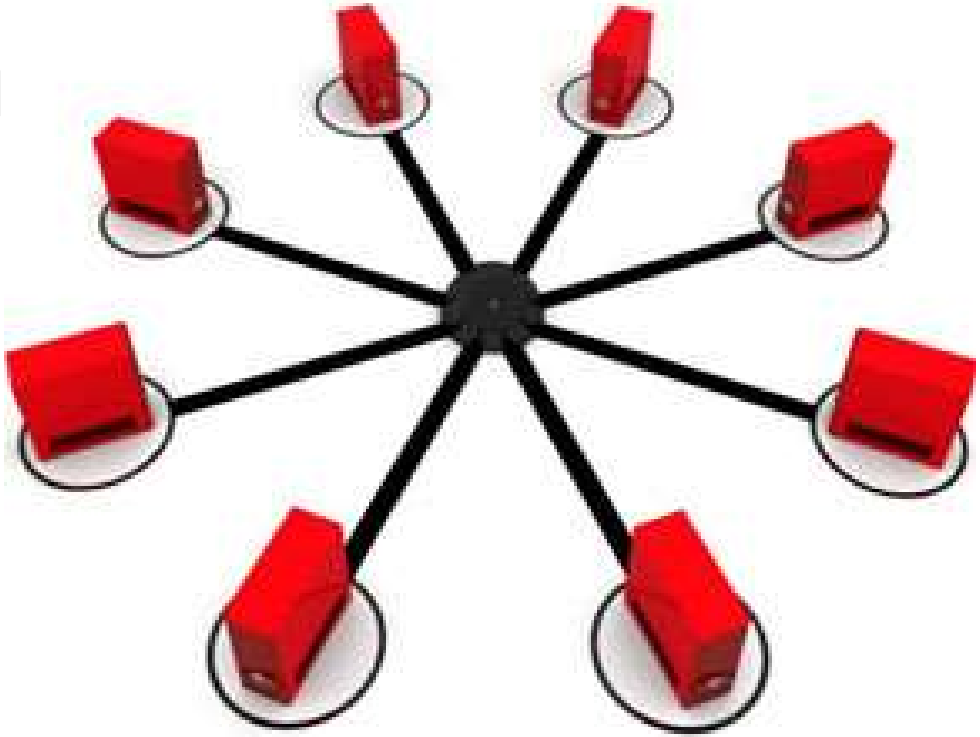
CREATING ANALYSIS FILES:



PREPARATION STEPS

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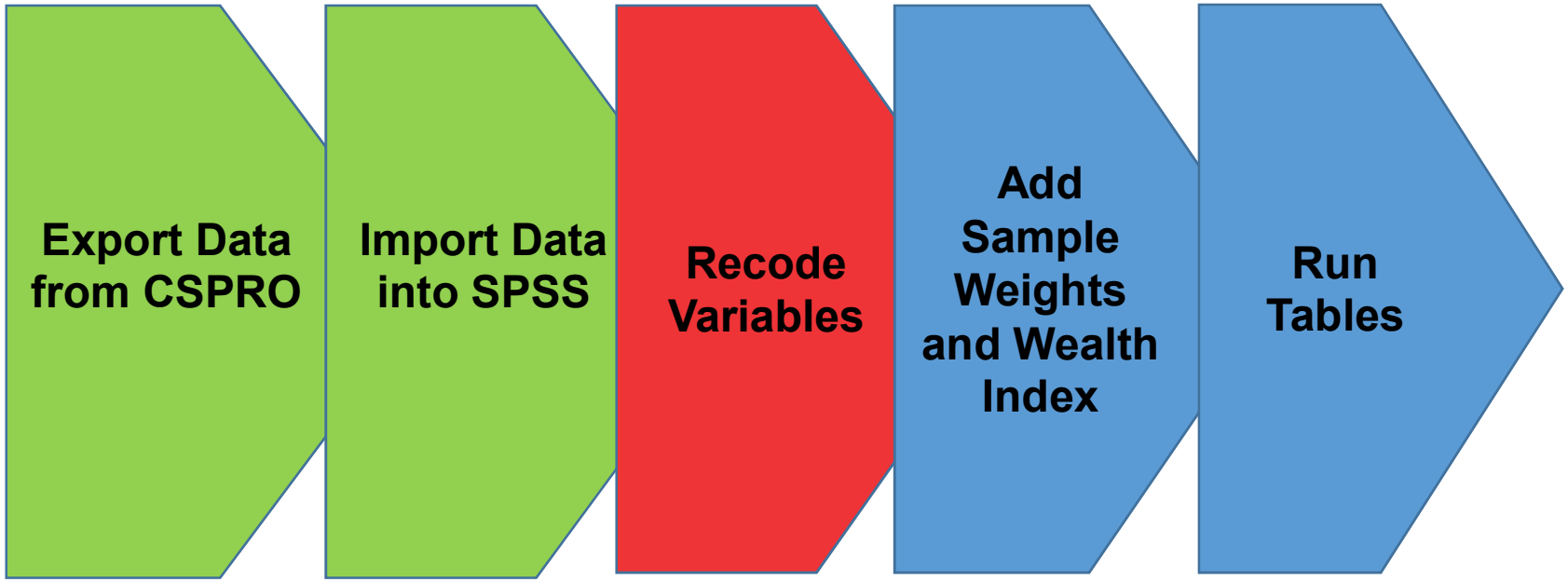
MICS

Secondary Data Processing Flow



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Importing Data to SPSS

- Executing syntax files created by CSPRO
- In SPSS, run **“MICS6 - 00 - 00 ALL EXPORT.SPS”**

- At the end of each run, save your work in data files as
  hh.sav, **hl.sav**, **tn.sav, ri.sav**
  wm.sav, **fg.sav, bh.sav, mm.sav,**
  mn.sav,
  ch.sav,
  fg.sav

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MICS

Run frequency distributions

- Open SPSS and run frequency distributions for all of the variables in all XX.sav files

- Detect any unexpected codes or inconsistencies, and if necessary, return to CSPro and make corrections.

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MICS

Recoding

- SPSS Recoding
  - MICS6 - 00 - 01 Make.sps
    - add **education** variables to all *.sav files
    - add ethnicity/language/religion to all *.sav files
    - calculate age at the beginning of school year.

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MICS

MICS6 - 00 - 01 Make.sps

- Level and grade of education ⇒ Education

- Woman's education
- Mother's education
- Father's education
- Man's education
- Household head's education

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MICS

MICS6 - 00 - 01 Make.sps

- All *.sav files will be replaced
- New (recoded) variable names will appear with lowercase letters
- Customization is needed
  - Education
  - Ethnicity
  - Age the beginning of the school year

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MICS

Customize MICS6 - 00 - 01 Make.sps

- Customize the **MICS6 - 00 - 01 Make.sps** syntax files, in accordance with the contents of your questionnaires

- Take out any variables and associated syntax which are not included in your questionnaire, or modify the variables according to your response categories

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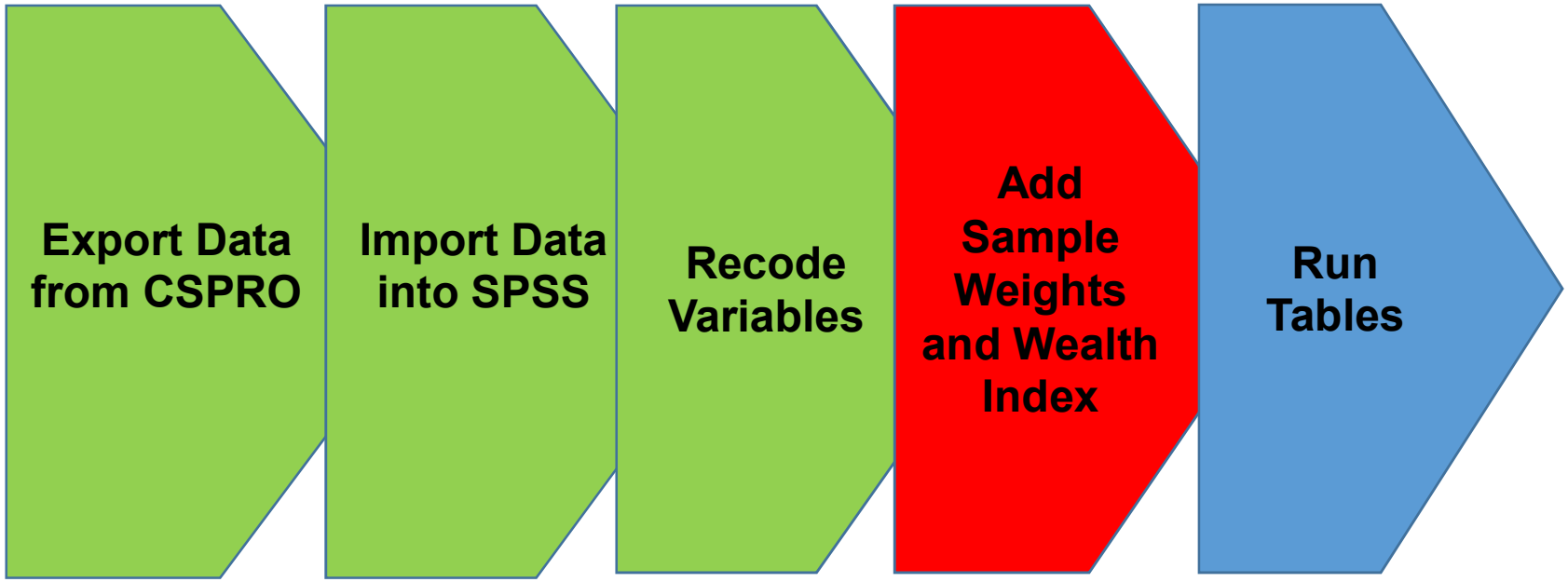
MICS

Secondary Data Processing Flow



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Next Steps

- Adding sample weights
  - Sample weights are added from weights spreadsheet

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MICS

Calculate weights

- Obtain distribution of interview results by the unit based on which you intend to calculate unique sample weights:
  - using the **weights_table_cluster.sps** syntax file,

- Calculate final sample weights by using **weights_cluster.xlsx**,

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MULTIPLE INDICATOR CLUSTER SURVEY

Country	SAMPLE			HOUSEHOLDS								
Stratum	Sampling fraction	Design weight	Number of clusters selected in the stratum	Number of clusters completed in the stratum	Number of households with a complete interview in the stratum (HH9=1)	Number of households found in the stratum (HH9<>4)	Raw household weight	Weighted number of households with a complete interview in the stratum	**Normalized household weight**	Weighted number of households with a complete interview in the stratum	Number of eligible women in the stratum (HH12)	Nu e wo a c int the (
1	0.001322	756.429652	46	46	647	685	800.856741	518154.31	**1.633493**	1056.87	727	
2	0.001802	554.938957	48	48	578	615	590.462731	341287.46	**1.204356**	696.12	680	
3	0.002469	405.022276	50	50	649	678	423.120344	274605.10	**0.863031**	560.11	731	
4	0.003451	289.771081	52	52	584	609	302.175665	176470.59	**0.616342**	359.94	662	
5	0.002786	358.937545	50	50	551	585	381.086141	209978.46	**0.777294**	428.29	680	
6	0.001909	523.834468	48	48	686	729	556.669573	381875.33	**1.135429**	778.90	770	
7	0.002855	350.262697	46	46	596	637	374.357950	223117.34	**0.763571**	455.09	693	
8	0.002351	425.350915	48	48	564	599	451.746805	254785.20	**0.921420**	519.68	645	
TOTAL			**388**	**388**	**4855**	**5137**		**2380273.79**		**4855.00**	**5588**	

Figures in red cells should be replaced by the figures from your survey.

Figures in green cells appear in the "Output" sheet. This sheet should be save in C:\MICS\WEIGHTS under the name "weights.csv".

Calculate weights (cont.)

- Once calculations in **weights_cluster.xlsx** have been completed, save the “Output” workbook
  - c:\mics6\SPSS\weights_cluster.xlsx

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Append sample weights

- Append sample weights to the exported SPSS files hh.sav, hl.sav, tn.sav, ri.sav, wm.sav, fg.sav, bh.sav, mm.sav, ch.sav, mn.sav and fs.sav, by using the SPSS **weights_merge_cluster.sps** syntax file

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Adding wealth index

- Customize 5 syntax files (W1.sps, W2.sps, W3.sps, W4.sps, W5.sps) that calculates wealth index values, together with the survey coordinator/technical manager, according to the items included in your questionnaire.

Run and append wealth

- Run the customized SPSS syntaxes by **MICS6 - 00 - 02 Wealth0.sps** to calculate and append wealth index values to all of the exported data files

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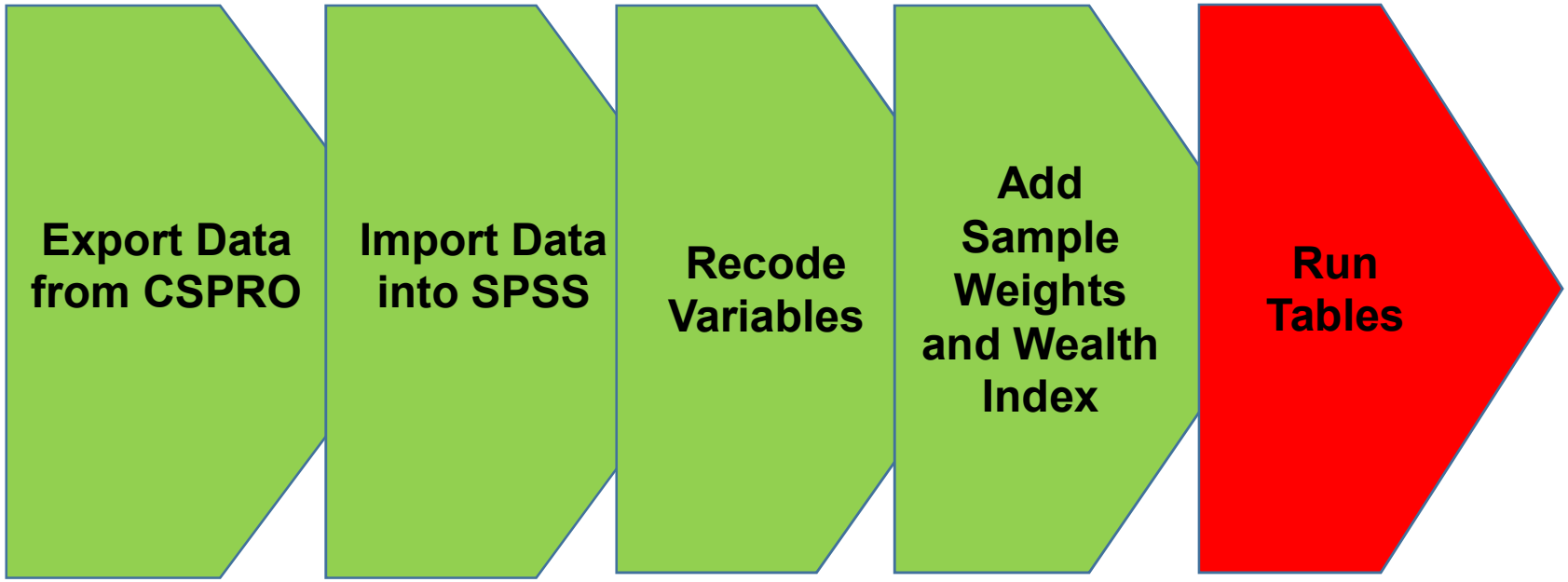
MICS

Secondary Data Processing Flow



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Customize each syntax

- Customize all tabulation syntax files in accordance with the contents of your survey
- Add “– NA” at the end of filename of the syntax files which are used to obtain tables on topics which are not included in your survey. Don’t delete them from the folder, keep them in the MICS6\SPSS folder.

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Run MICS6 - 00 - All Tables in Sheets.sps

- Once all tabulation syntax files are customized and free of errors, customize **MICS6 - 00 - All Tables in Sheets.sps**
- **MICS6 - 00 - All Tables in Sheets.sps** calls and runs all tabulation syntax files, and produces an output which includes all tables

- If any of the tabulation syntax files have errors, the program will stop and you will have to correct the tabulation syntax file. Then re-run **MICS6 - 00 - All Tables in Sheets.sps**

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