Stata
Statistics/Data analysis

```
//  Program:    00-dataPrep-Master.do
//  Task:       this master do file runs all the do files that cleans the Kenyan sur
> vey data (2015/16 KIHBS)
//  Project:    Kenya Fical MicroSim
//  Author:     Yared Seid - 2023Jan11


*===============================================================================
                * Preamble
*===============================================================================
>
        version 17
        clear all
        set more off
        macro drop _all
        set linesize 200

        local currDir: sysdir STATA                             // change the direct
> ory to "...Stata\Data"
        cd "`currDir'Data"

        global ys_archives      = 0              // =1, to archive dofiles, =0 turns
> OFF, so doesn't archive
        local margin = 0.75             // setting left & right margins of logfiles
> "translate" to pdf
        local font = 10                 // setting font size of logfiles "translate"
>  to pdf


*===============================================================================
        * Basic project info and their assignement to global macros
*===============================================================================
>
        global dataDateStamp: display %tdCCYY-NN-DD date(c(current_date), "DMY")

        global ys_EPL_Projects          "C:\Users\wb484182\OneDrive - WBG\1ys_EPL\1P
> rojects"
        global countryName                      "Kenya"
        global fiscal_year                      "2022FY"
        global simulationName           "FiscalMicrosim"
        global surveyName                       "Kenya 2015/16 KIHBS"

        /* Here below is the name of cleaned final hh survey data which will be save
> d in the "${simulationName}\\01.Data" folder and used as an input in the microsim
> assessment. */
*       global cleanedHHSurveyData      "${countryName}_${simulationName}_hhSurvey_c
> leanedData"
        global cleanedSurveyData_dem_inc                "${countryName}_${simulation
> Name}_hhSurvey_cleanedData_dem_inc"
        global cleanedSurveyData_exp            "${countryName}_${simulationName}_hh
> Survey_cleanedData_exp"


                ****************************************************

        /* Please change this to your own path */
        if (lower("`c(username)'") == "wb484182"){              // Yared's data-clea
> ning path
                global DataCleaningPath "${ys_EPL_Projects}\\${countryName}-${fiscal
> _year}-${simulationName}\\Assessments\\DataCleaning"
        }
        else if (lower("`c(username)'") == ""){
                global DataCleaningPath " "                      // put your own fold
> er path here
        }
```

```
*==============================================================================
                    * Global paths to data cleaning directories
*==============================================================================
>
        global dataAdo                          "${DataCleaningPath}\DataAdos"
        global dataDataSignatures   "${DataCleaningPath}\DataDataSignatures"
>
        global dataLogfiles             "${DataCleaningPath}\DataLogfiles"
        global dataSources                      "${DataCleaningPath}\DataSources"
>


*==============================================================================
                    * Adding ado directory at the beginning of the system's ado path
*==============================================================================
cap qui adopath++ "${dataAdo}"  // this is a folder where the project ado files are
> saved



*==============================================================================
                    * Openning a logfile
*==============================================================================
        cap log close DataMasterLogfile

        log using "${dataLogfiles}\\${countryName}-${simulationName}-DataMasterLogfi
> le.smcl", ///
                        replace smcl name(DataMasterLogfile)

*==============================================================================
                    * Running the do files
*==============================================================================
do "${DataCleaningPath}\01-dataPrep-hhDemogVars.do"
do "${DataCleaningPath}\02-dataPrep-hhMemberDemogVars.do"
do "${DataCleaningPath}\03-dataPrep-incomeVars.do"
do "${DataCleaningPath}\04-dataPrep-OtherIncomes-transfersAndPensions.do"
do "${DataCleaningPath}\05-01-dataPrep-expVars-foodAndNonfood.do"
do "${DataCleaningPath}\05-02-dataPrep-expVars-consumptionAgg.do"

do "${DataCleaningPath}\99-01-dataPrep-${cleanedSurveyData_dem_inc}.do"
do "${DataCleaningPath}\99-02-dataPrep-${cleanedSurveyData_exp}.do"



*==============================================================================
        * Closing the logfile
*==============================================================================
        macro list                                      // Documenting macros

        log close DataMasterLogfile

        local currDir: sysdir STATA                             // change the direct
> ory to "...Stata\Data"
        cd "`currDir'Data"
*==============================================================================


// ARCHIVING LOGFILE
```

```
        /* Archiving the logfile in text file too */
if ${ys_archives} ==1 {                    // if archives ==1, it puts date stamp on lo
> gfile
        * logfile in text format
        translate "${dataLogfiles}\\${countryName}-${simulationName}-DataMasterLogfi
> le.smcl"       "${dataLogfiles}\\1Archived\\${countryName}-${simulationName}-DataMa
> sterLogfile-[${dataDateStamp}].txt", replace translator(smcl2txt)
* copying smcl logfile to the archive folder
            copy "${dataLogfiles}\\${countryName}-${simulationName}-DataMasterLo
> gfile.smcl" "${dataLogfiles}\\1Archived\\${countryName}-${simulationName}-DataMast
> erLogfile-[${dataDateStamp}].smcl", replace public

            }

            /* This part turns the archiving OFF, so it doesn't archive  */
else if ${ys_archives} !=1 {     // if archive !=1, it DOES NOT put a date stamp on l
> og file
        * logfile in pdf format
        translate "${dataLogfiles}\\${countryName}-${simulationName}-DataMasterLogfi
> le.smcl" "${dataLogfiles}\\${countryName}-${simulationName}-DataMasterLogfile.pdf"
> , replace translator(smcl2pdf) lmargin(`margin') rmargin(`margin') font(`font')
        }


exit
```