



```
// Program:      05-02-dataPrep-expVars-consumptionAgg.do
// Task:         aggregates household consumption expenditures using Kenyan survey d
> ata (2015/16 KIHBS)
// Project:      Kenya Fical MicroSim
// Author:       Yared Seid - 2023Jan21

// #1: Food expenditure
// Loading the data
use "${dataSources}\Kenya_2015_16_KIHBS\Consumption_aggregate.dta", clear

// Generating vars

* Generating IDs
codebook clid hhid

qui tostring clid,          gen(clusterID) format(%04.0f)           // cluster i
> d
qui tostring hhid,          gen(hhid_STR) format(%02.0f)           // household
> id, within a cluster

label var clusterID "Cluster ID"

gen hhID = clusterID + hhid_STR
label var hhID "Household ID"

isid hhID

* geography/strata
clonevar strata1 = strat
label var strata1 "Strata1: Sampling strata"

* hh size
rename hhsize hh_size
label var hh_size "Household size"

* consumption aggregates and poverty weight
/* The vars below (i.e., consumptions, adult equivalence, poverty lines, etc) are al
> ready cleaned, I believe, by the Kenyan team. These I kept them as they are. */
local varsCleanedByKenyanTeam ctry_adq padqnfitems padqeduc padqrent padqegy padqexp
> padqfdcons pl_abs pl_food pdeflator weight weight_pop weight_adq

*****
/* Final touch of key variables - order matters! First annualize, then cap upper out
> liers */
local monthlyVars1 padqnfitems padqeduc padqrent padqegy padqexp padqfdcons
local monthlyVars2 pl_abs pl_food
local finalTouchVars `monthlyVars1' `monthlyVars2'

sum `finalTouchVars'
foreach z of local finalTouchVars {
  ys_annualizing_values `z', recall_in_days(30)           // annualizing monthly value
> s
}
sum `finalTouchVars'
```

```

        /* Changing the variable labels from "monthly" to Annual */
        foreach z of local monthlyVars1 {
            local ys_lbl_temp `z': var label `z'
            local ys_lbl_`z' = "Annual" + substr("`ys_lbl_temp_`z''", 8, .) // C
> hanging the "Monthly" to "Annual" in the label
            label var `z' "`ys_lbl_`z'"
        }
*****

// #3
// Saving the data
local keepVars county clid clusterID hhID hh_size `varsCleanedByKenyanTeam'

/* To assign Yes/No value lable to dummy variables */
local yesnoVars

order `keepVars'
keep `keepVars'

sort hhID
codebook hhID

* saving details
local dta_name      05-02-dataPrep-expVars-consumptionAgg
local dta_note      "Expenditure: consumption aggregates"

include "${DataCleaningPath}\i-dta-savingDetails.do" // saving th
> e data with additional info on notes, labels, etc

*****

*****

// #4
// Post-data-saving checking

/* Checking for the hh size (we count only those who are present) */
merge 1:1 hhID using "${DataCleaningPath}\01-dataPrep-hhDemogVars", keepusing(hh_siz
> e) // import hh size
drop _merge
merge 1:m hhID using "${DataCleaningPath}\02-dataPrep-hhMemberDemogVars", keepusing(
> memberID) // import hh member id
drop _merge

bysort hhID: egen double hh_size_test = count(memberID)
assert hh_size == hh_size_test // if !mi(ind_weight)

order hhID memberID hh_size hh_size_test

*****

```