

log using D:\acs\ACS.log, replace

```
*****  
* Download and create personal data  
* The ACS data at the personal level are splited into two files.  
* Thus, the users need to combine these two files into one data set  
*****
```

```
use "D:\acs\2018\psam_pusa.dta", clear  
append using "D:\acs\2018\psam_pusa.dta"  
save "D:\acs\2018\acs2018.dta", replace
```

Please let me know if you have any questions. Best, Hsueh-Sheng

```
*****  
* Link Household Data with Person Data  
*****  
* Household data from the State of Ohio in 2016 ACS  
use "D:\acs\2018\Ohio\2018\psam_h39.dta" , clear  
des  
des serialno  
sort serialno  
save "D:\acs\2018\Ohio\2018\psam_h39_2.dta" , replace
```

```
* Persondata from the State of Ohio in 2018 ACS  
use "D:\acs\2018\Ohio\2018\psam_p39.dta" , clear  
des  
des serialno  
sort serialno  
save, replace
```

```
* Merge these two files  
use "D:\acs\2018\Ohio\2018\psam_h39.dta" , clear  
merge 1:m serialno using "D:\acs\2018\Ohio\2018\psam_h39.dta"  
drop _merge  
save "D:\acs\2018\Ohio\2018\ACS_Ohio_2018.dta", replace
```

```
*****  
* Stack data over the years  
*****  
* Persondata from the State of Ohio in 2017 ACS  
use "D:\acs\2018\Ohio\2017\psam_p39.dta" , clear  
des  
des serialno  
sort serialno  
gen year = 2017  
save "D:\acs\2018\Ohio\2017\psam_p39_2.dta", replace
```

```
* Persondata from the State of Ohio in 2018 ACS  
use "D:\acs\2018\Ohio\2018\psam_p39.dta" , clear  
des  
des serialno  
sort serialno  
gen year = 2018  
save "D:\acs\2018\Ohio\2018\psam_p39_2.dta", replace
```

```
* append data together  
use "D:\acs\2018\Ohio\2017\psam_p39_2.dta", clear  
append using "D:\acs\2018\Ohio\2018\psam_p39_2.dta"  
save "D:\acs\ACS_Ohio_2015_2018.dta", replace
```

```
*****  
* Using Person Weights  
*****  
use "D:\acs\2018\Ohio\2018\psam_p39.dta" , clear  
tab1 agep, mis  
egen agegroup = cut(agep), at(0,15, 31,46,61,76,101)  
label define agegroup 0 "0-14" 15 "15-30" 31 "31-45" 46 "46-60" 61 "61-75" 76 "76-100"  
label value agegroup agegroup  
des mardestring mar, replace  
label define mar 1 "Married" 2 "Widowed" 3 "Divorced" 4 "Separated" 5 "Never married or under 15"  
label value mar mar
```

```
svyset [pweight=pwgtp]
svy: tab agegroup msp
save "D:\acs\2018\Ohio\2018\psam_p39_3.dta", replace
```

```
*****
* The distribution of Internet Access by Type of Unit
*****
use "D:\acs\2018\Ohio\2018\psam_h39.dta", clear
des type
destring type, replace
label define type 1 "Housing unit" 2 "Institutional group quarters" 3 "Noninstitutional group qu
label value type type
des access
destring access, replace
replace access =0 if access ==.
label define access 0 "NA (GQ)" 1 "Yes, by paying a cell phone company or Internet service prov
2 "Yes, without paying a cell phone company or Internet service provider "
3 "No access to the Internet at this house, apartment, or mobile home"
label value access access
tab1 type access, mis
svyset [pweight=pwgtp]
svy: tab type access
```

```
*****
* Using Replicate weights
*****
use "D:\acs\2018\Ohio\2018\psam_p39.dta" , clear
destring mar, replace
svyset [pweight=pwgtp], vce(brr) brrweight(PWGTP1-PWGTP80) fay(.5)mse
svy: mlogit mar agep
log close
```