

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

```
*****
```

```
* Link Household Data with Person Data
```

```
*****
```

```
* Household data from the State of Ohio in 2016 ACS
```

```
use "D:\acs\2016\Ohio\2016\psam_h39.dta" , clear
```

```
des
```

```
des serialno
```

```
sort serialno
```

```
save "D:\acs\2016\Ohio\2016\psam_h39_2.dta" , replace
```

```
* Persondata from the State of Ohio in 2016 ACS
```

```
use "D:\acs\2016\Ohio\2016\psam_p39.dta" , clear
```

```
des
```

```
des serialno
```

```
sort serialno
```

```
save, replace
```

```
* Merge these two files
```

```
use "D:\acs\2016\Ohio\2016\psam_h39.dta" , clear
```

```
merge 1:m serialno using "D:\acs\2016\Ohio\2016\psam_h39.dta"
```

```
drop _merge
```

```
save "D:\acs\2016\Ohio\2016\ACS_Ohio_2016.dta", replace
```

```
*****
```

```
* Stack data over the years
```

```
*****
```

```
* Persondata from the State of Ohio in 2015 ACS
```

```
use "D:\acs\2016\Ohio\2015\psam_p39.dta" , clear
```

```
des
```

```
des serialno
```

```
sort serialno
```

```
gen year = 2015
```

```
save "D:\acs\2016\Ohio\2015\psam_p39_2.dta", replace
```

```
* Persondata from the State of Ohio in 2016 ACS
```

```
use "D:\acs\2016\Ohio\2016\psam_p39.dta" , clear
```

```
des
```

```
des serialno
```

```
sort serialno
```

```
gen year = 2016
```

```
save "D:\acs\2016\Ohio\2016\psam_p39_2.dta", replace
```

```
* append data together
```

```
use "D:\acs\2016\Ohio\2015\psam_p39_2.dta", clear
```

```
append using "D:\acs\2016\Ohio\2016\psam_p39_2.dta"
```

```
save "D:\acs\ACS_Ohio_2015_2016.dta", replace
```

```
*****
```

```
* Using Person Weights
```

```
*****
```

```
use "D:\acs\2016\Ohio\2016\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 mar
```

```

destring 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\2016\Ohio\2016\psam_p39_3.dta", replace

*****
* The distribution of Internet Access by Type of Unit
*****
use "D:\acs\2016\Ohio\2016\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=wgtp]

svy: tab type access

*****
* Using Replicate weights
*****

use "D:\acs\2016\Ohio\2016\psam_p39.dta" , clear

destring mar, replace
svyset[pweight=pwgtp], vce(brr) brrweight(pwgtp1-pwgtp80) fay(.5)mse
svy: mlogit mar agep

log close

```