

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

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\* Link Household Data with Person Data

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\* Household data from the State of Ohio in 2018 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

\* Person data 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

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\* Stack data over two years

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\* Person data from the State of Ohio in 2017 ACS

use "D:\acs\2018\Ohio\2017\psam\_p39.dta" , clear

gen year = 2017

save "D:\acs\2018\Ohio\2017\psam\_p39\_2.dta", replace

\* Person data from the State of Ohio in 2018 ACS

use "D:\acs\2018\Ohio\2018\psam\_p39.dta" , clear

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

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\* Using Person Weights

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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
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```
*****
```

```
* Using household weights
```

```
*****
```

```
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 ==.
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```
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
```

```
*incorrect analysis
```

```
tab1 type access, mis
```

```
*correct analysis
```

```
svyset [pweight=hwtgtp]
```

```
svy: tab type access
```

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\* Using Replicate weights

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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