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*****  
* An example of bad programming  
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```
log using "k:\debug\race_bad.log", replace  
use "k:\debug\race2.dta", clear  
set more 1
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des  
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```
count if id =="  
sum id race racemore if id =="  
list id race racemore if id =="
```

```
drop if id =="
```

```
count  
*****
```

```
tab1 id, mis
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```
sort id  
by id: gen n = _n  
by id: gen N = _N  
list id N if N >=2
```

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```
duplicates report id  
duplicates tag id, generate(N2)  
list id N2 if N2 >=1
```

```
*****
```

```
list if N2 >=1
```

```
drop if id == "S100" & n ==2  
drop if id == "S23"
```

```
count  
*****
```

```
duplicates report id
```

```
*****
```

```
tab1 race, mis
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```
replace race = "3,5" if race == "3,5,"  
replace race = "4,5" if race == "4, 5"
```

```
tab1 race, mis
```

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```

```
gen race_old = race

sort race

list id race_old race racemore if racemore ~=""

*****

replace race = "3,5,7" if id == "S316"
replace race = "4" if id == "S248"
replace race = "5" if id == "S29"

list id race_old race racemore if inlist(id, "S316","S248","S29")

*****

tab1 race, mis

*****

split race, parse(,) gen(newrace)
tab1 newrace*, mis

*****

destring newrace*, replace
tab1 newrace*, mis

*****

egen native = anymatch(newrace1 newrace2 newrace3),value(1)
egen asian = anymatch(newrace1 newrace2 newrace3),value(2)
egen black = anymatch(newrace1 newrace2 newrace3),value(3)
egen hispanic = anymatch(newrace1 newrace2 newrace3),value(4)
egen white = anymatch(newrace1 newrace2 newrace3),value(5)

*****

list

*****

*****

gen raceold2 = race

tab1 race, mis

replace race = "6" if race == "1,4,5"
replace race = "6" if race == "1,5"
replace race = "6" if race == "1,5,7"
replace race = "6" if race == "3,5"
replace race = "6" if race == "3,5,7"
replace race = "6" if race == "4,5"
replace race = "6" if race == "4,5,7"
replace race = "6" if race == "5,7"

*****
```

```
destring race, replace  
label value race race
```

```
tab2 raceold2 race, mis
```

```
*****
```

```
keep id race native asian black hispanic white
```

```
save "k:\debug\race_bad.dta", replace
```

```
log close
```