```
*************************
* Reshape example
*************************

log using "F:\workshop\long format\reshape_05_21_18.log", replace

*************************
* Accurate data
*************************


*****************************
* Read in the Excel file
*****************************
clear

import excel "F:\workshop\long format\reshape.xlsx", sheet("Sheet1") firstrow


********************************
* Change the data from wide to long
********************************
reshape long sex, i(fam_id) j(pernum)
list, sepby(fam_id)


**************************************
* Change the data from long to wide
**************************************

reshape wide sex, i(fam_id) j(pernum)
list, sepby(fam_id)

****************************
* first inaccurate data example
****************************
clear

import excel "F:\workshop\long format\reshape2.xlsx", sheet("Sheet1") firstrow

reshape long sex, i(fam_id) j(pernum)

des

destring sex8, replace

des

reshape long sex, i(fam_id) j(pernum)
list, sepby(fam_id)

****************************
* Second Inaccurate data example
****************************
clear

import excel "F:\workshop\long format\reshape3.xlsx", sheet("Sheet1") firstrow
reshape long sex, i(fam_id) j(pernum)
list, sepby(fam_id)

****************************
* Third inaccurate data example
****************************
clear

import excel "F:\workshop\long format\reshape4.xlsx", sheet("Sheet1") firstrow
reshape long sex, i(fam_id) j(pernum)
list, sepby(fam_id)
```

log close