log using "F:\workshop\long format\family_relation_05_21_18.log", replace

des

des

sort fam_id pernum

duplicates report fam_id pernum

by fam_id: gen person_id = _n
label variable person "indicator for each family member"

by fam_id: gen size = _N
label variable size "family size"

by fam_id: gen kid = 1 if relate ==301 & age < 18
label variable kid "householders have a kid at home"

by fam_id: egen s_kid = sum(kid)
label variable s_kid "the total number of children householders have at home"

by fam_id: replace s_kid =. if relate ~=101

by fam_id: gen s_sex_temp= sex if relate ==201
label variable s_sex_temp "sex of the spouse, temporary variable"
by fam_id: egen s_sex = max(s_sex_temp)
label variable s_sex "sex of the spouse"

list fam_id pernum relate sex s_sex_temp s_sex , sepby(fam_id) nol

***************************************************
* Remove unnecessary information from the data file
***************************************************
by fam_id: replace s_sex =. if relate ~=101

list fam_id pernum relate sex s_sex_temp s_sex , sepby(fam_id) nol

log close