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use /volumes/ddisk/ipumscps/data/cps62-16.dta, clear;

*WEIGHTS FOR THE 2014 SURVEY ARE DOUBLE WHAT THEY SHOULD BE, SO REDEFINE THEM;
replace hwtsupp=hwtsupp/2 if year==2014;

keep if year>=1994;

generate imm=(citizen==2 | citizen==3);

replace incwelfr=0 if incwelfr==99999;
replace incssi=0 if incssi==99999;

*THE CALCULATIONS BELOW ARE DESIGNED TO FIND OUT IF ANYONE IN THE HOUSEHOLD;
*RECEIVED A PARTICULAR TYPE OF ASSISTANCE;

*CALCULATES SUM OF VARIOUS INCOMES OR RECEIPTS BY year AND HOUSEHOLD;
egen mincssi=sum(incssi), by(year serial);
egen mincwelfr=sum(incwelfr), by(year serial);
egen mstamp=sum(foodstmp==2), by(year serial);
egen mmedaid=sum(himcaid==2), by(year serial);

generate byte rssi=(mincssi>0);
generate byte rincwelfr=(mincwelfr>0);
generate byte rcash=(rssi>0 | rincwelfr>0);
generate byte rstamp=(mstamp>0);
generate byte rmedaid=(mmedaid>0);

*A HOUSEHOLD "IS ON WELFARE" IF ANYONE RECEIVES CASH, FOOD STAMPS, OR MEDICAID;
generate byte rwelfare=(rcash==1 | rstamp==1 | rmedaid==1);

*NOW MAKES THE UNIT OF OBSERVATION A HOUSEHOLD;
*KEEPS THE HEADS OF HOUSEHOLDS/HOUSEHOLDERS;
keep if relate==101;
keep if age>=15;

*IMMTYPE IS 1 FOR NATIVES, 2 FOR NATURALIZED CITIZENS, 3 FOR NON-CITIZENS;
generate immtype=1*(imm==0) + 2*(citizen==2) + 3*(citizen==3);

generate weight=int(hwtsupp);

*CALCULATES THE TOTAL NUMBER OF HOUSEHOLDS BY TYPE AND YEAR;
tabulate year immtype [fw=weight];

*GENERATES THE GRAPH IN WE WANTED WORKERS, FIGURE 9.1, CURTAIN 1;
tabulate year imm [aw=hwtsupp], sum(rwelfare) me noobs nofreq;

*GENERATES THE DATA BY TYPE OF HOUSEHOLD;
tabulate year immtype [aw=hwtsupp], sum(rwelfare) me noobs nofreq;

collapse (mean) rwelfare [aw=hwtsupp], by(year immtype);
reshape wide rwelfare, i(year) j(immtype);

list, separator(0) noobs;

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