```
. use "longitudinal_td", clear
(Adult (16+) respondents, Waves 1-9, long format)

.
.
. // 1. Inspecting and managing the datafile (using Stata)
.
. describe

Contains data from longitudinal_td.dta
  obs:       192,153                          Adult (16+) respondents, Waves
1-9, long format
 vars:           148                          5 Nov 2020 14:48
 size:    59,375,277                          (_dta has notes)
-------------------------------------------------------------------------------
-----------------------------------
              storage   display    value
variable name   type    format     label      variable label
-------------------------------------------------------------------------------
-----------------------------------
pidp            long    %12.0g     pidp       cross-wave person identifier
(public release)
wave            byte    %9.0g      wave       interview wave
hidp            long    %23.0g     hidp       household identifier (public
release)
buno_dv         byte    %9.0g      buno_dv    benefit unit number
intdatd_dv      byte    %12.0g     intdatd_dv
                                               Interview date: Day, derived
intdatm_dv      byte    %12.0g     intdatm_dv
                                               Interview date: Month, derived
intdaty_dv      int     %12.0g     intdaty_dv
                                               Interview date: Year, derived
indmode         byte    %12.0g     indmode    mode this individual was given
final ind outcome in
numintd_dv      byte    %9.0g                 Number of times interviewed
hhorig          byte    %27.0g     hhorig     Sample origin, household
psu             long    %18.0g     psu        Primary sampling unit
strata          int     %18.0g     strata     Strata
sampst          byte    %23.0g     sampst     sample status
indinus_lw_2    double  %9.0g                 Longitudinal adult full interview
weight, Waves 1 to 2
indscus_lw_2    double  %9.0g                 Longitudinal adult self-completion
weight, Waves 1 to 2
indinus_lw_3    float   %9.0g                 Longitudinal adult full interview
weight, Waves 1 to 3
indscus_lw_3    float   %9.0g                 Longitudinal adult self-completion
weight, Waves 1 to 3
indinus_lw_4    float   %9.0g                 Longitudinal adult full interview
weight, Waves 1 to 4
indscus_lw_4    float   %9.0g                 Longitudinal adult self-completion
weight, Waves 1 to 4
```

```
indinus_lw_5    float   %9.0g                 Longitudinal adult full interview
weight, Waves 1 to 5
indscus_lw_5    float   %9.0g                 Longitudinal adult self-completion
weight, Waves 1 to 5
indinus_lw_6    float   %9.0g                 Longitudinal adult full interview
weight, Waves 1 to 6
indscus_lw_6    float   %9.0g                 Longitudinal adult self-completion
weight, Waves 1 to 6
indinus_lw_7    float   %9.0g                 Longitudinal adult full interview
weight, Waves 1 to 7
indscus_lw_7    float   %9.0g                 Longitudinal adult self-completion
weight, Waves 1 to 7
indinus_lw_8    float   %9.0g                 Longitudinal adult full interview
weight, Waves 1 to 8
indscus_lw_8    float   %9.0g                 Longitudinal adult self-completion
weight, Waves 1 to 8
indinus_lw_9    float   %9.0g                 Longitudinal adult full interview
weight, Waves 1 to 9
indscus_lw_9    float   %9.0g                 Longitudinal adult self-completion
weight, Waves 1 to 9
mvever          byte    %23.0g     mvever     Lived at address whole life
mvmnth          byte    %23.0g     mvmnth     Month moved to current address
mvyr            int     %23.0g     mvyr       year moved to current address
distmov_dv      double  %12.0g     distmov_dv
                                               Distance participant moved since
last wave (km)
addrmov_dv      byte    %10.0g     addrmov_dv
                                               Participant changes address
postcode since last wave
lkmove          byte    %23.0g     lkmove     prefers to move house
xpmove          byte    %23.0g     xpmove     expects to move in next year
gor_dv          byte    %31.0g     gor_dv     Government Office Region
urban_dv        byte    %12.0g     urban_dv   Urban or rural area, derived
country         byte    %23.0g     country    Country of residence
age_dv          int     %12.0g     age_dv     Age, derived from dob_dv and
intdat_dv
doby_dv         int     %18.0g     doby_dv    DOB: Year, derived
sex_dv          byte    %18.0g     sex_dv     Sex, derived
ethn_dv         byte    %45.0g     ethn_dv    Ethnic group (derived from
multiple sources)
cob_dv          byte    %24.0g     cob_dv     country of birth
bornuk_dv       byte    %15.0g     bornuk_dv
                                               Born in UK (derived)
yr2uk4          int     %23.0g     yr2uk4     year came to britain
hhsize_dv       byte    %9.0g                 household size
hhtype_dv       byte    %69.0g     hhtype_dv
                                               Composition of household,
LFS-version
mstat_dv        byte    %28.0g     mstat_dv   de-facto marital status, collapsed
livesp_dv       byte    %12.0g     livesp_dv
                                               Lives with spouse in hh
cohab_dv        byte    %16.0g     cohab_dv   Lives with cohabitee in hh
```

nchild_dv	byte	%9.0g	nchild_dv	Number of own children in household
depchl_dv	byte	%12.0g	depchl_dv	Whether dependent child - official definition
ndepchl_dv	byte	%26.0g	ndepchl_dv	Number of own dependent children in household
hiqual_dv	byte	%12.0g	hiqual_dv	Highest qualification ever reported
sf1_dv	byte	%23.0g	sf1_dv	General health
bmi_dv	double	%16.0g	bmi_dv	Body Mass Index
sf12pcs_dv	double	%16.0g	sf12pcs_dv	SF-12 Physical Component Summary (PCS)
sf12mcs_dv	double	%16.0g	sf12mcs_dv	SF-12 Mental Component Summary (PCS)
scghq1_dv	byte	%16.0g	scghq1_dv	Subjective wellbeing (GHQ): Likert
scghq2_dv	byte	%16.0g	scghq2_dv	Subjective wellbeing (GHQ): Caseness
swemwbs_dv	byte	%16.0g	swemwbs_dv	Short Warwick-Edinburgh Mental Well-being Scale
sclfsato	byte	%23.0g	sclfsato	Satisfaction with life overall
jbstat	byte	%39.0g	jbstat	Current economic activity
jbhas_dv	byte	%18.0g	jbhas_dv	Did have paid work last week?
jbsoc00_cc	int	%64.0g	jbsoc00_cc	Current job: SOC 2000, condensed
jbsic07_cc	byte	%127.0g	jbsic07_cc	Current job: SIC 2007, condensed
jbnssec8_dv	byte	%35.0g	jbnssec8_dv	Current job: Eight Class NS-SEC
jbmngr	byte	%31.0g	jbmngr	managerial duties: current job
jbsize	byte	%31.0g	jbsize	No. employed at workplace: current job
jbterm_dv	byte	%54.0g	jbterm_dv	Type of job contract
jbsect_dv	byte	%58.0g	jbsect_dv	Type of organisation working for
jbhrs	float	%23.0g	jbhrs	no. of hours normally worked per week
jbot	byte	%23.0g	jbot	no. of overtime hours in normal week
jbft_dv	byte	%16.0g	jbft_dv	Full or part-time employee
jbotpd	byte	%23.0g	jbotpd	no. of hours worked as paid overtime
jbpl	byte	%31.0g	jbpl	Work location

jbttwt	int	%23.0g	jbttwt	minutes spent travelling to work
workdis	int	%23.0g	workdis	distance from work
worktrav	byte	%47.0g	worktrav	mode of transport for journey to work
jbsat	byte	%33.0g	jbsat	job satisfaction
j2has	byte	%23.0g	j2has	has a second job
j2semp	byte	%23.0g	j2semp	employee or self employed, second job
j2soc00_cc	int	%64.0g	j2soc00_cc	2nd current job: SOC 2000, condensed
j2nssec8_dv	byte	%35.0g	j2nssec8_dv	2nd job: NSSEC 8 classes
j2hrs	int	%23.0g	j2hrs	no. of hours worked per month, second job
jsboss	byte	%23.0g	jsboss	S/emp: hires employees
jssize	byte	%31.0g	jssize	S/emp: number of employees
jshrs	float	%23.0g	jshrs	s/emp: hours normally worked per week
jstypeb	byte	%55.0g	jstypeb	s/emp: nature of employment
jsaccs	byte	%23.0g	jsaccs	s/emp: draws up profit/loss accounts
jspart	byte	%31.0g	jspart	s/emp: own account or partnership
jspl	byte	%39.0g	jspl	s/emp: work location
jsttwt	byte	%31.0g	jsttwt	s/emp: commuting time provided
jsttwtb	int	%23.0g	jsttwtb	s/emp: commuting time
jsworkdis	int	%23.0g	jsworkdis	s/emp: commuting distance
jsworktrav	byte	%47.0g	jsworktrav	s/emp: mode of transport to work
jbhad	byte	%23.0g	jbhad	ever had paid employment
jlsemp	byte	%23.0g	jlsemp	employee or self employed, last job
jlendy	int	%23.0g	jlendy	year left last job
jlendm	byte	%23.0g	jlendm	month left last job
jlsoc00_cc	int	%64.0g	jlsoc00_cc	Last job: SOC 2000, condensed
jlsic07_cc	byte	%127.0g	jlsic07_cc	Last job: SIC 2007, condensed
jlnssec8_dv	byte	%35.0g	jlnssec8_dv	Last job: Eight Class NS-SEC
jlmngr	byte	%31.0g	jlmngr	managerial duties, last job
jlboss	byte	%23.0g	jlboss	hired employees, last job
jlsize	byte	%31.0g	jlsize	number of people employed at workplace, last job employee
fimngrs_dv	float	%12.0g	fimngrs_dv	total monthly personal income gross
fimnnet_dv	double	%12.0g	fimnnet_dv	total net personal income - no deductions
fimngrs_if	float	%12.0g	fimngrs_if	

```
                                                imputation flag fimngrs_dv
paygu_dv        float   %12.0g     paygu_dv    usual gross pay per month: current
job
paygu_if        byte    %27.0g     paygu_if    imputation flag var - paygu_dv
paynu_dv        float   %12.0g     paynu_dv    usual net pay per month: current
job
paynu_if        byte    %27.0g     paynu_if    imputation flag var - paynu_dv
j2pay_dv        float   %12.0g     j2pay_dv    pay in second job
j2paynet_dv     float   %12.0g     j2paynet_dv
                                                amount income component 1c: net
earnings second job
j2pay_if        byte    %13.0g     j2pay_if    imputation flag jb2pay_dv
seearngrs_dv    float   %12.0g     seearngrs_dv
                                                self employment earnings - gross
seearnnet_dv    float   %12.0g     seearnnet_dv
                                                self employment earnings - net
seearngrs_if    byte    %13.0g     seearngrs_if
                                                imputation flag var - seearngrs_dv
tenure_dv       byte    %26.0g     tenure_dv
                                                housing tenure
ieqmoecd_dv     double  %16.0g     ieqmoecd_dv
                                                Modified OECD equivalence scale
fihhmngrs_dv    float   %12.0g     fihhmngrs_dv
                                                gross household income: month
before interview
fihhmnnet1_dv   float   %12.0g     fihhmnnet1_dv
                                                total household net income - no
deductions
fihhmngrs_if    float   %12.0g     fihhmngrs_if
                                                share of imputed HH total income
vote1           byte    %23.0g     vote1       supports a particular political
party
vote2           byte    %23.0g     vote2       closer to one political party than
others
vote3           byte    %32.0g     vote3       Party would vote for tomorrow
vote4           byte    %32.0g     vote4       Which political party closest to
vote5           byte    %24.0g     vote5       strength of support for stated
party
vote6           byte    %31.0g     vote6       level of interest in politics
vote7           byte    %12.0g     vote7       voted in last general election
vote8           byte    %23.0g     vote8       Party voted for in last general
election
votenorm        byte    %22.0g     votenorm    Voting as a social norm
voteintent      byte    %33.0g     voteintent
                                                voting intention
grpbfts         byte    %22.0g     grpbfts     Group benefit from voting
perbfts         byte    %22.0g     perbfts     personal benefit in voting
envhabit1       byte    %31.0g     envhabit1
                                                environmental habits: tv
envhabit2       byte    %31.0g     envhabit2
                                                environmental habits: lights
envhabit3       byte    %31.0g     envhabit3
```

```
                                              environmental habits: water
envhabit4       byte    %31.0g     envhabit4
                                              environmental habits: heating
envhabit5       byte    %31.0g     envhabit5
                                              environmental habits: packaging
envhabit6       byte    %31.0g     envhabit6
                                              environmental habits: recycled
paper
envhabit7       byte    %31.0g     envhabit7
                                              environmental habits: shopping
bags
envhabit8       byte    %31.0g     envhabit8
                                              environmental habit: public
transport
envhabit9       byte    %31.0g     envhabit9
                                              environmental habit: short
journeys
envhabit10      byte    %31.0g     envhabit10
                                              environmental habit: car share
envhabit11      byte    %31.0g     envhabit11
                                              environmental habit: fewer flights
------------------------------------------------------------------------------
-----------------------------------
Sorted by: pidp  wave

. summarize

    Variable |        Obs        Mean    Std. Dev.       Min        Max
-------------+---------------------------------------------------------
        pidp |    192,153    8.44e+08    4.70e+08   6.80e+07   1.63e+09
        wave |    192,153    4.230082    2.580986          1          9
        hidp |    192,153    8.46e+08    4.70e+08   6.80e+07   1.64e+09
     buno_dv |    192,153    1.089434    .4334306          1         10
  intdatd_dv |    192,152    15.62413    8.207831          1         31
-------------+---------------------------------------------------------
  intdatm_dv |    192,152    6.371321    3.450968          1         12
  intdaty_dv |    192,152    2012.782    2.654568       2009       2019
     indmode |    192,153      1.1305    .4922987          1          3
  numintd_dv |    192,153    7.460165    2.514138          1          9
      hhorig |    192,153    1.578679    1.711532          1          7
-------------+---------------------------------------------------------
         psu |    192,153    5878.018    8827.807       2001      51784
      strata |    192,153    2772.099      505.09       2001       5117
      sampst |    192,153           1           0          1          1
indinus_lw_2 |     56,160    1.001449    .4623703   .0283388   6.870168
indscus_lw_2 |     56,160    .8003212    .5675832          0   6.391003
-------------+---------------------------------------------------------
indinus_lw_3 |     70,716    .9947011    .4955531   .0373579   7.374211
indscus_lw_3 |     70,716    .7517153    .6209779          0   6.920336
indinus_lw_4 |     84,644    .9917511    .5105641   .0404378   5.272027
indscus_lw_4 |     84,644    .7368012      .63626          0   5.164831
indinus_lw_5 |     98,315    .9905598    .5269004   .0411398   5.450037
```

indscus_lw_5	98,315	.7144017	.6617237	0	5.698253
indinus_lw_6	106,242	.9867167	.5616792	.0418546	5.611991
indscus_lw_6	106,242	.6955065	.6925819	0	5.465546
indinus_lw_7	114,625	.98101	.5953075	.0430363	5.817138
indscus_lw_7	114,625	.6911009	.7176485	0	5.799165
indinus_lw_8	122,256	.9751077	.6177667	.0531304	5.457535
indscus_lw_8	122,256	.6904139	.7377436	0	5.911215
indinus_lw_9	123,246	.9671417	.6464485	.0537665	5.808817
indscus_lw_9	123,246	.6890514	.7517226	0	5.804289
mvever	36,615	1.961054	.1934684	1	2
mvmnth	34,292	6.625714	3.264514	1	12
mvyr	35,079	1997.085	12.73609	1923	2010
distmov_dv	6,929	30.53445	78.28252	.005	998.773
addrmov_dv	127,452	1.944897	.2281823	1	2
lkmove	190,818	1.322622	.4674805	1	2
xpmove	189,156	1.89468	.3069667	1	2
gor_dv	192,083	6.281941	3.063073	1	12
urban_dv	192,083	1.23784	.4257617	1	2
country	192,083	1.310756	.7766052	1	4
age_dv	192,152	52.40156	17.05193	16	104
doby_dv	192,152	1959.882	16.80888	1908	1994
sex_dv	192,146	1.577576	.4939465	1	2
ethn_dv	192,146	2.897151	7.048405	1	97
cob_dv	192,096	7.225835	20.21258	1	97
bornuk_dv	192,096	1.142715	.349783	1	2
yr2uk4	27,313	1986.823	17.93445	1913	2010
hhsize_dv	192,153	2.64215	1.388765	1	15
hhtype_dv	192,153	9.615801	5.95444	1	23
mstat_dv	191,975	2.405136	1.1389	1	5
livesp_dv	192,153	.5587475	.496538	0	1
cohab_dv	192,153	.1021478	.3028433	0	1
nchild_dv	192,153	.49573	.9227149	0	10
depchl_dv	192,153	1.993823	.0783533	1	2
ndepchl_dv	154,614	.720491	1.068289	0	12
hiqual_dv	192,088	3.671598	2.59415	1	9
sf1_dv	190,011	2.666167	1.111381	1	5
bmi_dv	34,244	26.13269	5.113939	4.4	84.4
sf12pcs_dv	177,586	48.78556	11.58232	4.33	76.29
sf12mcs_dv	177,586	49.95618	9.884368	0	78.08
scghq1_dv	174,113	10.99874	5.375869	0	36
scghq2_dv	174,113	1.708655	2.943055	0	12
swemwbs_dv	64,968	25.17136	4.563528	7	35
sclfsato	174,308	5.198861	1.474963	1	7

jbstat	192,118	3.565887	6.45531	1	97
jbhas_dv	192,142	1.988743	.9599716	1	3
jbsoc00_cc	103,785	451.3927	253.1596	111	925
jbsic07_cc	103,386	65.89756	22.81373	1	99
jbnssec8_dv	103,754	4.453997	2.032067	1	8
jbmngr	89,254	2.372465	.8478519	1	3
jbsize	88,999	5.182092	2.482983	1	11
jbterm_dv	104,507	1.240673	.9022657	1	6
jbsect_dv	89,119	2.869029	2.544281	1	10
jbhrs	88,888	32.27566	10.94074	0	97.9
jbot	88,633	3.377816	6.140173	0	97
jbft_dv	103,613	1.285428	.45162	1	2
jbotpd	37,372	3.05769	5.310819	0	90
jbpl	89,314	2.551873	6.002172	1	97
jbttwt	85,638	26.07389	23.2362	0	997
workdis	44,449	10.26831	21.26186	0	997
worktrav	86,199	3.852307	8.040909	1	97
jbsat	104,466	5.337737	1.42951	1	7
j2has	191,960	1.952	.2137659	1	2
j2semp	9,104	1.505053	.5000019	1	2
j2soc00_cc	8,208	493.0306	247.421	111	925
j2nssec8_dv	8,208	5.018519	2.065138	1	8
j2hrs	8,867	23.41017	26.32686	0	160
jsboss	14,987	1.83032	.3753643	1	2
jssize	2,541	1.912239	1.308878	1	10
jshrs	14,727	33.85867	17.91566	1	120
jstypeb	14,965	2.88139	1.486383	1	6
jsaccs	14,893	1.257034	.5811801	1	3
jspart	12,127	1.197823	.3983744	1	2
jspl	14,967	6.973943	18.39799	1	97
jsttwt	9,042	1.285999	.4519137	1	2
jsttwtb	6,440	28.3278	28.54833	0	600
jsworkdis	329	12.49848	36.06093	0	600
jsworktrav	9,239	3.888841	12.11255	1	97
jbhad	15,812	1.155009	.3619246	1	2
jlsemp	13,348	1.089152	.2849736	1	2
jlendy	13,042	1998.216	11.612	1900	2010
jlendm	12,311	6.484282	3.270088	1	12
jlsoc00_cc	13,268	552.3337	266.5158	111	925
jlsic07_cc	13,056	58.39759	25.54469	1	99
jlnssec8_dv	13,265	5.362759	2.109102	1	8
jlmngr	12,153	2.574591	.7427859	1	3
jlboss	1,190	1.698319	.4591804	1	2

jlsize	12,402	4.902919	2.588567	1	11
fimngrs_dv	192,153	1728.951	1547.777	-17741.34	27916.33
fimnnet_dv	192,153	1481.957	1736.147	-17741.34	387060.7
fimngrs_if	192,153	.1299245	.3009482	0	1
paygu_dv	89,665	1987.232	1447.466	.08	8333
paygu_if	192,153	.0380114	.1912242	0	1
paynu_dv	89,665	1478.073	922.7582	.08	8200
paynu_if	192,153	.0380114	.1912242	0	1
j2pay_dv	192,153	22.33053	234.0509	0	8333
j2paynet_dv	192,153	18.07087	173.7028	0	8000
j2pay_if	192,153	.0071037	.0839839	0	1
seearngrs_dv	15,029	1703.09	2053.531	-17888.89	8333
seearnnet_dv	15,029	1314.803	1397.081	-17888.89	5824.72
seearngrs_if	192,153	.0303508	.1715511	0	1
tenure_dv	190,888	2.366047	1.666587	1	8
ieqmoecd_dv	191,486	1.728101	.5871056	1	6.7
fihhmngrs_dv	191,593	3459.83	2670.19	-15966.9	131881.7
fihhmnnet1~v	191,593	2935.738	2754.062	-16356.34	395352.7
fihhmngrs_if	191,593	.2106331	.3241235	0	1
vote1	175,694	1.650768	.4767288	1	2
vote2	114,076	1.691828	.46174	1	2
vote3	67,753	47.51372	46.02563	1	97
vote4	95,307	4.405699	14.02174	1	97
vote5	108,526	2.498286	.6503498	1	4
vote6	175,989	2.655422	.9643805	1	4
vote7	25,115	1.199881	.4294914	1	3
vote8	19,670	4.476919	14.02485	1	97
votenorm	50,051	2.430661	.773798	1	5
voteintent	55,698	7.951542	3.363731	0	11
grpbfts	55,976	2.721077	.9670976	1	5
perbfts	56,451	2.572319	1.086103	1	6
envhabit1	57,643	3.623302	1.755532	1	6
envhabit2	57,662	1.580816	.9577077	1	6
envhabit3	57,642	3.370806	1.704769	1	6
envhabit4	57,629	2.578008	1.329507	1	6
envhabit5	57,539	4.302317	1.036158	1	6
envhabit6	57,225	3.53917	1.374462	1	6
envhabit7	57,651	2.389724	1.584956	1	6
envhabit8	57,651	3.711384	1.529636	1	6
envhabit9	57,665	3.188849	1.549562	1	6
envhabit10	57,658	4.551216	1.34061	1	6
envhabit11	57,541	4.942041	1.27667	1	6

.

```
. sort pidp wave

. list pidp wave sex_dv ethn_dv doby_dv jbstat mstat_dv ///
> in 1/25, sepby(pidp)


+-------------------------------------------------------------------------------
-----------+
  1. |     pidp | wave | sex_dv |                    ethn_dv | doby_dv |
        jbstat |
     | 68001367 |    1 |   Male |                   white uk |    1969 | Paid
employment(ft/pt) |

|-------------------------------------------------------------------------------
-----------|
     |                                                    mstat_dv
               |
     |                                                      single
               |

+-------------------------------------------------------------------------------
-----------+


+-------------------------------------------------------------------------------
-----------+
  2. |     pidp | wave | sex_dv |                    ethn_dv | doby_dv |
        jbstat |
     | 68004087 |    1 |   Male | any other white background |    1949 | Paid
employment(ft/pt) |

|-------------------------------------------------------------------------------
-----------|
     |                                                    mstat_dv
               |
     |                                       separated or divorced
               |

+-------------------------------------------------------------------------------
-----------+


+-------------------------------------------------------------------------------
-----------+
  3. |     pidp | wave | sex_dv |                    ethn_dv | doby_dv |
        jbstat |
     | 68004087 |    2 |   Male | any other white background |    1949 | Paid
employment(ft/pt) |

|-------------------------------------------------------------------------------
-----------|
     |                                                    mstat_dv
```

```
                |
     |                                        separated or divorced
                |

+-------------------------------------------------------------------------------
-----------+


+-------------------------------------------------------------------------------
-----------+
  4. |     pidp | wave | sex_dv |                    ethn_dv | doby_dv |
       jbstat |
     | 68004087 |    3 |   Male | any other white background |    1949 | Paid
employment(ft/pt) |

|-------------------------------------------------------------------------------
-----------|
     |                                                    mstat_dv
                |
     |                                        separated or divorced
                |

+-------------------------------------------------------------------------------
-----------+


+-------------------------------------------------------------------------------
-----------+
  5. |     pidp | wave | sex_dv |                    ethn_dv | doby_dv |
       jbstat |
     | 68004087 |    4 |   Male | any other white background |    1949 | Paid
employment(ft/pt) |

|-------------------------------------------------------------------------------
-----------|
     |                                                    mstat_dv
                |
     |                                        separated or divorced
                |

+-------------------------------------------------------------------------------
-----------+


+-------------------------------------------------------------------------------
-----------+
  6. |     pidp | wave | sex_dv |                    ethn_dv | doby_dv |
       jbstat |
     | 68004087 |    5 |   Male | any other white background |    1949 | Paid
employment(ft/pt) |

|-------------------------------------------------------------------------------
```

```
-----------|
     |                                                    mstat_dv
               |
     |                                       separated or divorced
               |

+--------------------------------------------------------------------------------
-----------+


+--------------------------------------------------------------------------------
-----------+
  7. |     pidp | wave | sex_dv |                    ethn_dv | doby_dv |
        jbstat |
     | 68004087 |    6 |   Male | any other white background |    1949 | Paid
employment(ft/pt) |

|--------------------------------------------------------------------------------
-----------|
     |                                                    mstat_dv
               |
     |                                       separated or divorced
               |

+--------------------------------------------------------------------------------
-----------+


+--------------------------------------------------------------------------------
-----------+
  8. |     pidp | wave | sex_dv |                    ethn_dv | doby_dv |
        jbstat |
     | 68004087 |    7 |   Male | any other white background |    1949 | Paid
employment(ft/pt) |

|--------------------------------------------------------------------------------
-----------|
     |                                                    mstat_dv
               |
     |                                       separated or divorced
               |

+--------------------------------------------------------------------------------
-----------+


+--------------------------------------------------------------------------------
-----------+
  9. |     pidp | wave | sex_dv |                    ethn_dv | doby_dv |
        jbstat |
     | 68004087 |    8 |   Male | any other white background |    1949 | Paid
employment(ft/pt) |
```

```
|-------------------------------------------------------------------------------
-----------|
     |                                                    mstat_dv
          |
     |                                       separated or divorced
          |

+-------------------------------------------------------------------------------
-----------+


+-------------------------------------------------------------------------------
-----------+
 10. |     pidp | wave | sex_dv |                    ethn_dv | doby_dv |
        jbstat |
     | 68004087 |    9 |   Male | any other white background |    1949 | Paid
employment(ft/pt) |

|-------------------------------------------------------------------------------
-----------|
     |                                                    mstat_dv
          |
     |                                       separated or divorced
          |

+-------------------------------------------------------------------------------
-----------+


+-------------------------------------------------------------------------------
-----------+
 11. |     pidp | wave | sex_dv |                     ethn_dv | doby_dv |
        jbstat |
     | 68006127 |    1 | Female |                    white uk |    1969 |
    unemployed |

|-------------------------------------------------------------------------------
-----------|
     |                                                    mstat_dv
          |
     |                                          living as a couple
          |

+-------------------------------------------------------------------------------
-----------+


+-------------------------------------------------------------------------------
-----------+
 12. |     pidp | wave | sex_dv |                     ethn_dv | doby_dv |
        jbstat |
```

```
     | 68006127 |    2 | Female |                    white uk |    1969 |
    unemployed |

|-------------------------------------------------------------------------------
-----------|
     |                                                    mstat_dv
          |
     |                                                      single
          |

+-------------------------------------------------------------------------------
-----------+


+-------------------------------------------------------------------------------
-----------+
 13. |     pidp | wave | sex_dv |                     ethn_dv | doby_dv |
        jbstat |
     | 68006127 |    3 | Female |                    white uk |    1969 |
Family care or home |

|-------------------------------------------------------------------------------
-----------|
     |                                                    mstat_dv
          |
     |                                          living as a couple
          |

+-------------------------------------------------------------------------------
-----------+


+-------------------------------------------------------------------------------
-----------+
 14. |     pidp | wave | sex_dv |                     ethn_dv | doby_dv |
        jbstat |
     | 68006127 |    4 | Female |                    white uk |    1969 |   doing
something else |

|-------------------------------------------------------------------------------
-----------|
     |                                                    mstat_dv
          |
     |                                married or civil partnership
          |

+-------------------------------------------------------------------------------
-----------+


+-------------------------------------------------------------------------------
-----------+
```

```
 15. |     pidp | wave | sex_dv |                    ethn_dv | doby_dv |
        jbstat |
     | 68006127 |    5 | Female |                  white uk |    1969 |
Family care or home |

|-------------------------------------------------------------------------
-----------|
     |                                                  mstat_dv
           |
     |                              married or civil partnership
           |

+-------------------------------------------------------------------------
-----------+


+-------------------------------------------------------------------------
-----------+
 16. |     pidp | wave | sex_dv |                    ethn_dv | doby_dv |
        jbstat |
     | 68006127 |    6 | Female |                  white uk |    1969 |   doing
something else |

|-------------------------------------------------------------------------
-----------|
     |                                                  mstat_dv
           |
     |                              married or civil partnership
           |

+-------------------------------------------------------------------------
-----------+


+-------------------------------------------------------------------------
-----------+
 17. |     pidp | wave | sex_dv |                    ethn_dv | doby_dv |
        jbstat |
     | 68006127 |    7 | Female |                  white uk |    1969 |
Family care or home |

|-------------------------------------------------------------------------
-----------|
     |                                                  mstat_dv
           |
     |                              married or civil partnership
           |

+-------------------------------------------------------------------------
-----------+
```

```
+-------------------------------------------------------------------------------
-----------+
 18. |     pidp | wave | sex_dv |                    ethn_dv | doby_dv |
        jbstat |
     | 68006127 |    8 | Female |                  white uk |    1969 |
Family care or home |

|-------------------------------------------------------------------------------
-----------|
     |                                                  mstat_dv
               |
     |                               married or civil partnership
               |

+-------------------------------------------------------------------------------
-----------+


+-------------------------------------------------------------------------------
-----------+
 19. |     pidp | wave | sex_dv |                    ethn_dv | doby_dv |
        jbstat |
     | 68006127 |    9 | Female |                  white uk |    1969 |
Family care or home |

|-------------------------------------------------------------------------------
-----------|
     |                                                  mstat_dv
               |
     |                               married or civil partnership
               |

+-------------------------------------------------------------------------------
-----------+


+-------------------------------------------------------------------------------
-----------+
 20. |     pidp | wave | sex_dv |                    ethn_dv | doby_dv |
        jbstat |
     | 68006807 |    1 | Female |                  white uk |    1936 |
       retired |

|-------------------------------------------------------------------------------
-----------|
     |                                                  mstat_dv
               |
     |                                     separated or divorced
               |

+-------------------------------------------------------------------------------
-----------+
```

```
+-------------------------------------------------------------------------------
-----------+
 21. |     pidp | wave | sex_dv |                    ethn_dv | doby_dv |
        jbstat |
     | 68006807 |    2 | Female |                  white uk |    1936 |
       retired |

|-------------------------------------------------------------------------------
-----------|
     |                                                    mstat_dv
               |
     |                                     separated or divorced
               |

+-------------------------------------------------------------------------------
-----------+


+-------------------------------------------------------------------------------
-----------+
 22. |     pidp | wave | sex_dv |                    ethn_dv | doby_dv |
        jbstat |
     | 68006807 |    3 | Female |                  white uk |    1936 |
       retired |

|-------------------------------------------------------------------------------
-----------|
     |                                                    mstat_dv
               |
     |                                     separated or divorced
               |

+-------------------------------------------------------------------------------
-----------+


+-------------------------------------------------------------------------------
-----------+
 23. |     pidp | wave | sex_dv |                    ethn_dv | doby_dv |
        jbstat |
     | 68006807 |    4 | Female |                  white uk |    1936 |
       retired |

|-------------------------------------------------------------------------------
-----------|
     |                                                    mstat_dv
               |
     |                                     separated or divorced
               |
```

```
+-------------------------------------------------------------------------------
-----------+


+-------------------------------------------------------------------------------
-----------+
 24. |     pidp | wave | sex_dv |                    ethn_dv | doby_dv |
        jbstat |
     | 68006807 |    5 | Female |                  white uk |    1936 |
       retired |

|-------------------------------------------------------------------------------
-----------|
     |                                                    mstat_dv
               |
     |                                       separated or divorced
               |

+-------------------------------------------------------------------------------
-----------+


+-------------------------------------------------------------------------------
-----------+
 25. |     pidp | wave | sex_dv |                    ethn_dv | doby_dv |
        jbstat |
     | 68006807 |    6 | Female |                  white uk |    1936 |
       retired |

|-------------------------------------------------------------------------------
-----------|
     |                                                    mstat_dv
               |
     |                                       separated or divorced
               |

+-------------------------------------------------------------------------------
-----------+

.
. count if fihhmngrs_dv<0
  82

.
. replace fihhmngrs_dv=1 if fihhmngrs_dv<0
(82 real changes made)

.
. xtile hhgrinc4=fihhmngrs_dv, nq(4)

.
. su fihhmngrs_dv, d
```

```
       gross household income: month before interview
-------------------------------------------------------------
      Percentiles      Smallest
 1%       285.33              0
 5%       760.67              0
10%      1018.33              0       Obs             191,593
25%      1625.83              0       Sum of Wgt.     191,593

50%      2783.33                      Mean           3460.851
                        Largest       Std. Dev.      2667.207
75%      4536.05       71957.93
90%      6706.85       89487.35       Variance        7113994
95%         8459       89487.35       Skewness       3.163015
99%     12750.17       131881.7       Kurtosis        55.3856

. generate veryhighinc=1 if fihhmngrs_dv>r(p99) & fihhmngrs_dv<.
(190,238 missing values generated)

. replace  veryhighinc=0 if fihhmngrs_dv<r(p99)
(189,677 real changes made)

. tab veryhighinc

veryhighinc |      Freq.     Percent        Cum.
------------+-----------------------------------
          0 |    189,677       99.00       99.00
          1 |      1,915        1.00      100.00
------------+-----------------------------------
      Total |    191,592      100.00

.
. tabstat _all, by(wave)

Summary statistics: mean
  by categories of: wave (interview wave)

  wave |      pidp      wave      hidp   buno_dv  int~d_dv  int~m_dv  int~y_dv
indmode  numint~v    hhorig
-------+--------------------------------------------------------------------------
-----------------------------
     1 |  8.29e+08         1  8.29e+08  1.153691  15.77337  6.222808  2009.531
      1  5.247358   1.71665
     2 |  8.41e+08         2  8.44e+08   1.10317  15.72646  6.347543  2010.539
      1   6.53896  1.620228
     3 |  8.49e+08         3  8.52e+08  1.085992   15.9485  6.458256  2011.543
      1  7.407008  1.581962
     4 |  8.51e+08         4  8.54e+08  1.094655  16.02703  6.483578  2012.557
      1  7.909125  1.554652
     5 |  8.50e+08         5  8.52e+08  1.081117  15.88089  6.403702  2013.568
      1  8.206937  1.531455
     6 |  8.48e+08         6  8.50e+08  1.059412  15.16943  6.387213  2014.558
```

```
      1   8.56119  1.517027
     7 |  8.49e+08         7  8.51e+08  1.049282  16.61331  6.384794  2015.565
1.04342  8.769527  1.509435
     8 |  8.46e+08         8  8.48e+08  1.042468  14.96192  6.365921  2016.569
1.643568  8.896087  1.501374
     9 |  8.45e+08         9  8.47e+08  1.038484  13.60968  6.416971  2017.571
2.061049         9  1.472616
-------+--------------------------------------------------------------------------
---------------------------
 Total |  8.44e+08  4.230082  8.46e+08  1.089434  15.62413  6.371321  2012.782
 1.1305  7.460165  1.578679
-------------------------------------------------------------------------------
---------------------------

  wave |       psu    strata    sampst  indinu~2  indscu~2  indinu~3  indscu~3
indinu~4  indscu~4  indinu~5
-------+--------------------------------------------------------------------------
---------------------------
     1 |  6492.607    2804.6         1  1.001449  .8003212  .9947011  .7517153
.9917511  .7368012  .9905598
     2 |  6062.426  2783.437         1  1.001449  .8003212  .9947011  .7517153
.9917511  .7368012  .9905598
     3 |  5889.502  2774.257         1         .         .  .9947011  .7517153
.9917511  .7368012  .9905598
     4 |  5774.597  2766.921         1         .         .         .         .
.9917511  .7368012  .9905598
     5 |  5662.905  2761.505         1         .         .         .         .
      .         .  .9905598
     6 |  5601.578  2756.258         1         .         .         .         .
      .         .         .
     7 |  5572.964  2754.178         1         .         .         .         .
      .         .         .
     8 |   5540.73  2751.536         1         .         .         .         .
      .         .         .
     9 |  5403.968  2746.295         1         .         .         .         .
      .         .         .
-------+--------------------------------------------------------------------------
---------------------------
 Total |  5878.018  2772.099         1  1.001449  .8003212  .9947011  .7517153
.9917511  .7368012  .9905598
-------------------------------------------------------------------------------
---------------------------

  wave |  indscu~5  indinu~6  indscu~6  indinu~7  indscu~7  indinu~8  indscu~8
indinu~9  indscu~9    mvever
-------+--------------------------------------------------------------------------
---------------------------
     1 |  .7144017  .9867167  .6955065    .98101  .6911009  .9751077  .6904139
.9671417  .6890514  1.961054
     2 |  .7144017  .9867167  .6955065    .98101  .6911009  .9751077  .6904139
.9671417  .6890514         .
     3 |  .7144017  .9867167  .6955065    .98101  .6911009  .9751077  .6904139
```

```
.9671417  .6890514         .
     4 |  .7144017  .9867167  .6955065    .98101  .6911009  .9751077  .6904139
.9671417  .6890514         .
     5 |  .7144017  .9867167  .6955065    .98101  .6911009  .9751077  .6904139
.9671417  .6890514         .
     6 |         .  .9867167  .6955065    .98101  .6911009  .9751077  .6904139
.9671417  .6890514         .
     7 |         .         .         .    .98101  .6911009  .9751077  .6904139
.9671417  .6890514         .
     8 |         .         .         .         .         .  .9751077  .6904139
.9671417  .6890514         .
     9 |         .         .         .         .         .         .         .
.9671417  .6890514         .
-------+-------------------------------------------------------------------------
---------------------------
 Total |  .7144017  .9867167  .6955065    .98101  .6911009  .9751077  .6904139
.9671417  .6890514  1.961054
-------------------------------------------------------------------------------
---------------------------

  wave |    mvmnth      mvyr  distmo~v  addrmo~v    lkmove    xpmove    gor_dv
urban_dv   country    age_dv
-------+-------------------------------------------------------------------------
---------------------------
     1 |  6.625714  1997.085         .         .  1.382573  1.843254  6.309484
1.213441  1.320653  47.76701
     2 |         .         .         .         .  1.357041  1.872177  6.307418
1.230385   1.32296  50.15135
     3 |         .         .   24.2708  1.941281  1.336542  1.889158  6.306335
1.236582  1.322118  51.63342
     4 |         .         .  32.45799  1.938046  1.324164   1.90259  6.292191
1.241515  1.313274  52.65885
     5 |         .         .  30.05039  1.938972  1.299096  1.912424  6.287946
1.24439  1.309113  53.72517
     6 |         .         .  32.53108  1.945389  1.289168  1.922418  6.261948
1.247373  1.297593  54.68965
     7 |         .         .  31.18583  1.944122  1.273339  1.931325  6.234759
1.25058  1.294502  55.51139
     8 |         .         .  29.46731  1.957335  1.271748  1.931878  6.228725
1.253666  1.292485  56.33288
     9 |         .         .  38.96326  1.956623  1.257334  1.930719  6.231241
1.260247  1.295024  57.36863
-------+-------------------------------------------------------------------------
---------------------------
 Total |  6.625714  1997.085  30.53445  1.944897  1.322622   1.89468  6.281941
1.23784  1.310756  52.40156
-------------------------------------------------------------------------------
---------------------------

  wave |   doby_dv    sex_dv   ethn_dv    cob_dv  bornuk~v    yr2uk4  hhsize~v
hhtype~v  mstat_dv  livesp~v
-------+-----------------------------------------------------------------------
```

```
----------------------------
     1 |  1961.252  1.568081  3.481511  8.895414  1.178553   1989.63  2.736721
9.891395  2.373043  .5077692
     2 |  1959.889  1.577549  3.057944  7.726382  1.152857  1987.464  2.673433
9.654274   2.39933  .5460114
     3 |  1959.421   1.57838  2.849603  7.098239  1.138977   1985.98  2.648609
9.579247  2.409936  .5587986
     4 |  1959.414  1.579253  2.773157  6.847074  1.134348  1985.684  2.632201
9.545107  2.420998  .5673172
     5 |  1959.349  1.580053  2.715644   6.66102  1.130393  1985.279  2.621268
9.561817  2.430238     .5727
     6 |  1959.373  1.579045  2.649178  6.502655  1.128065  1985.331  2.603377
9.507709  2.415601  .5777941
     7 |   1959.56  1.580641  2.630168   6.47587  1.127062  1985.435  2.589252
9.485069  2.419377  .5838168
     8 |  1959.736  1.582385  2.607447  6.376252  1.125679  1985.667  2.572307
9.500785  2.406011   .591611
     9 |  1959.702  1.584563  2.502191  6.130251  1.119804  1985.237  2.550679
9.474076  2.402646  .5965386
-------+--------------------------------------------------------------------
----------------------------
 Total |  1959.882  1.577576  2.897151  7.225835  1.142715  1986.823   2.64215
9.615801  2.405136  .5587475
-------------------------------------------------------------------------------
----------------------------

  wave |  cohab_dv  nchild~v  depchl~v  ndepch~v  hiqual~v    sf1_dv    bmi_dv
sf12pc~v  sf12mc~v  scghq1~v
-------+--------------------------------------------------------------------
----------------------------
     1 |   .113848  .5072503  1.978345  .7185968  3.928765  2.626132  26.13269
49.16411  50.59732    11.028
     2 |   .106802   .514245  1.989779  .7397895  3.837436  2.659746         .
49.08776  50.15682  11.16465
     3 |  .1012218  .5148905  1.995588  .7450053  3.742468  2.634065         .
49.15516  49.68774  10.98707
     4 |  .1006096  .5083408  1.999858   .740201   3.65622  2.677017         .
48.97014  49.83346  10.91432
     5 |  .0994762  .5003306         2  .7296885  3.610642  2.659343         .
48.61448  49.54705  11.10694
     6 |   .098831  .4869825         2  .7152477  3.529289  2.615398         .
48.46087  50.30704  10.75606
     7 |  .0978931  .4782901         2  .7055389  3.466435  2.688226         .
48.46798  49.67077  10.83663
     8 |  .0931161  .4638136         2  .6880848  3.404307  2.750388         .
48.14242  49.39885  11.05828
     9 |  .0885789  .4356653         2  .6581197  3.361066  2.784323         .
48.10897  49.52821  11.06017
-------+--------------------------------------------------------------------
----------------------------
 Total |  .1021478    .49573  1.993823   .720491  3.671598  2.666167  26.13269
48.78556  49.95618  10.99874
```

wave	scghq2~v	swemwb~v	sclfsato	jbstat	jbhas_dv	jbsoc0~c	jbsic0~c	jbnsse~v	jbmngr	jbsize
1	1.750805	25.2414	5.267731	3.870398	1.982383	467.6244	64.8225	4.579118	2.400208	5.09899
2	1.760538	.	5.217876	3.639077	1.972721	461.8635	65.30094	4.544804	2.38978	5.137535
3	1.738595	.	5.151975	3.542319	1.984812	455.3531	65.79325	4.495945	2.381973	5.16641
4	1.688159	24.79822	5.076141	3.482066	1.980767	449.9261	65.93438	4.437185	2.368368	5.201013
5	1.783269	.	5.065312	3.474391	1.979912	447.4065	66.13027	4.417069	2.370037	5.218947
6	1.589554	.	5.255807	3.429209	1.987687	440.6242	66.48691	4.374314	2.353947	5.240631
7	1.632219	25.49968	5.28124	3.290399	1.994015	437.6846	66.64614	4.3427	2.347126	5.217577
8	1.693976	.	5.240753	3.417954	2.014461	436.7248	66.91065	4.329496	2.340456	5.246755
9	1.656676	.	5.22203	3.574184	2.036734	432.9834	67.04065	4.303461	2.339764	5.266
Total	1.708655	25.17136	5.198861	3.565887	1.988743	451.3927	65.89756	4.453997	2.372465	5.182092

wave	jbterm~v	jbsect~v	jbhrs	jbot	jbft_dv	jbotpd	jbpl	jbttwt	workdis	worktrav
1	1.283867	2.781993	32.38536	3.309668	1.277896	3.366917	2.658908	26.00532	9.707741	4.057798
2	1.248346	2.83388	32.00391	3.206243	1.292831	3.177269	2.505181	25.94862	9.941941	4.019805
3	1.227467	2.849606	32.03711	3.143402	1.29375	2.98315	2.596383	25.56088	.	3.804163
4	1.210318	2.885061	32.2866	3.328616	1.284367	3.07771	2.557634	26.03241	10.24391	3.972827
5	1.203693	2.863715	32.35191	3.432432	1.285979	2.978947	2.475974	25.97281	.	3.902225
6	1.210879	2.87259	32.52539	3.635135	1.275825	3.095278	2.387863	26.41089	10.59504	3.804271
7	1.208683	2.912997	32.38854	3.4432	1.287653	2.925091	2.435072	26.45973	.	3.521433
8	1.25273	2.964291	32.50259	3.684808	1.280526	2.776765	2.617801	26.24603	10.91821	3.481906

```
     9 |   1.29979  3.048793  32.14189  3.621154  1.291696  2.648494  2.660512
26.62396         .  3.583216
-------+-----------------------------------------------------------------------
---------------------------
 Total |  1.240673  2.869029  32.27566  3.377816  1.285428   3.05769  2.551873
26.07389  10.26831  3.852307
-----------------------------------------------------------------------------
---------------------------

  wave |     jbsat     j2has    j2semp  j2soc0~c  j2nsse~v     j2hrs    jsboss
 jssize     jshrs   jstypeb
-------+-----------------------------------------------------------------------
---------------------------
     1 |  5.321474   1.95619  1.463277  503.5036  5.024964  22.19119  1.797889
1.901354   36.4707  2.881363
     2 |  5.340518   1.95168  1.487027  514.4996  5.151941  23.68619  1.813745
1.775401  34.83065  2.859422
     3 |  5.290403  1.955568  1.500482  500.0933  5.056399  24.68583  1.825556
1.94586   33.7288  2.867557
     4 |  5.320155   1.95083  1.529469  492.5914  5.033708  24.00689  1.846476
1.898438  33.56182  2.875149
     5 |  5.298458  1.957066  1.485748  500.2243  5.100134  25.79562  1.850433
1.942149  33.06098   2.86192
     6 |  5.369776  1.943342  1.550363  479.8974  5.021598  23.69023  1.827377
2.039216  33.70896  2.850676
     7 |  5.410139  1.951293   1.53758   479.192  4.941261  23.50732  1.843357
1.888393  32.01231  2.878936
     8 |  5.376349  1.947713  1.544643  469.6566  4.901876  21.99196  1.854801
1.94086  32.15181  2.964006
     9 |   5.37194  1.946672  1.486034  470.5255  4.780255  21.04082  1.847577
1.971098  32.37951  2.929329
-------+-----------------------------------------------------------------------
---------------------------
 Total |  5.337737     1.952  1.505053  493.0306  5.018519  23.41017   1.83032
1.912239  33.85867   2.88139
-----------------------------------------------------------------------------
---------------------------

  wave |    jsaccs    jspart      jspl    jsttwt   jsttwtb  jswork~s  jswork~v
  jbhad    jlsemp    jlendy
-------+-----------------------------------------------------------------------
---------------------------
     1 |  1.295481  1.225806  10.22848  1.255177  28.19569  12.49848  4.039203
1.155009  1.089152  1998.216
     2 |  1.281141  1.213258   6.63727  1.307087  28.66212         .  4.448087
      .         .         .
     3 |  1.305339  1.203691  5.468854  1.341155  28.56027         .  3.707996
      .         .         .
     4 |  1.256441  1.185103   5.48865  1.312912  28.37964         .  3.609916
      .         .         .
     5 |  1.285449  1.190217  6.119505     1.328  26.94933         .  4.124131
      .         .         .
```

```
     6 |  1.187585  1.185127  6.606081  1.233143  29.00898         .  3.490364
       .         .         .
     7 |  1.219168   1.17652  6.105816  1.278107  28.03471         .  3.307779
       .         .         .
     8 |  1.217736  1.175024  7.312207  1.246338  28.57624         .  3.686224
       .         .         .
     9 |  1.192136  1.201047  7.221731   1.23937  28.64523         .  4.444613
       .         .         .
-------+-----------------------------------------------------------------------
---------------------------
 Total |  1.257034  1.197823  6.973943  1.285999   28.3278  12.49848  3.888841
1.155009  1.089152  1998.216
-------------------------------------------------------------------------------
---------------------------

  wave |    jlendm  jlsoc0~c  jlsic0~c  jlnsse~v    jlmngr    jlboss    jlsize
fimngr~v  fimnne~v  fimngr~f
-------+-----------------------------------------------------------------------
---------------------------
     1 |  6.484282  552.3337  58.39759  5.362759  2.574591  1.698319  4.902919
1466.511  1232.632    .14381
     2 |         .         .         .         .         .         .         .
1589.447  1346.461  .1244028
     3 |         .         .         .         .         .         .         .
1680.623  1435.377  .1290344
     4 |         .         .         .         .         .         .         .
1742.541  1493.552  .1152554
     5 |         .         .         .         .         .         .         .
1778.356  1523.269  .1151427
     6 |         .         .         .         .         .         .         .
1897.342  1657.152  .1392263
     7 |         .         .         .         .         .         .         .
1931.945  1670.659  .1222687
     8 |         .         .         .         .         .         .         .
1961.957  1704.797  .1343155
     9 |         .         .         .         .         .         .         .
1987.548  1728.597  .1417672
-------+-----------------------------------------------------------------------
---------------------------
 Total |  6.484282  552.3337  58.39759  5.362759  2.574591  1.698319  4.902919
1728.951  1481.957  .1299245
-------------------------------------------------------------------------------
---------------------------

  wave |  paygu_dv  paygu_if  paynu_dv  paynu_if  j2pay_dv  j2payn~v  j2pay_if
see~s_dv  see~t_dv  seearn~f
-------+-----------------------------------------------------------------------
---------------------------
     1 |  1804.769  .0557361  1342.082  .0557361  17.49038  13.96816  .0086294
1739.25    1315.4  .0320599
     2 |  1853.412  .0377493  1376.002  .0377493  21.45079  17.03885  .0054487
1593.937  1218.147  .0269587
```

```
     3 |  1917.139  .0336416  1427.405  .0336416  20.78934  16.68597  .0054726
1619.49  1245.981  .0263024
     4 |  1980.216  .0280233  1469.575  .0280233  22.57092  18.02965  .0046784
1596.05  1236.161  .0254714
     5 |  2024.316  .0289885  1509.971  .0289885  21.62323   17.6747   .004272
1643.394  1287.237  .0268016
     6 |  2100.122   .038064  1567.317   .038064  27.73889  22.78089  .0103349
1814.184  1411.325  .0349015
     7 |  2155.594  .0264427  1603.875  .0264427  26.92467  21.72381  .0077557
1826.354  1413.377   .035542
     8 |  2218.721  .0336998  1647.495  .0336998  25.52563  20.99179  .0091611
1796.495   1400.12  .0350085
     9 |  2265.199  .0456404  1682.627  .0456404  24.32205  20.45647  .0097853
1780.547  1398.973  .0350518
-------+-------------------------------------------------------------------
---------------------------
 Total |  1987.232  .0380114  1478.073  .0380114  22.33053  18.07087  .0071037
1703.09  1314.803  .0303508
-------------------------------------------------------------------------------
---------------------------

  wave |  tenure~v  ieqmoe~v  fih~s_dv  fih~1_dv  fihhmn~f     vote1     vote2
  vote3     vote4     vote5
-------+-------------------------------------------------------------------
---------------------------
     1 |  2.662852  1.768813  3075.521   2554.32  .2467491  1.678519  1.726603
54.85557  5.301114  2.598329
     2 |  2.470607  1.739672   3213.94  2695.734  .2107631  1.639176  1.697268
47.94595  4.513365  2.537018
     3 |  2.378236  1.728199  3368.257  2839.295   .210963  1.670585  1.689276
46.98935  4.813903  2.467605
     4 |  2.328295  1.721549  3440.069  2915.043  .1920185  1.677209  1.693982
52.3585  6.253707  2.489136
     5 |  2.275091  1.718477  3506.247   2975.56  .1886314  1.663472  1.697494
47.95188  3.617009  2.485426
     6 |  2.234802  1.711374  3734.649   3239.86  .2110647  1.640752  1.656272
33.15551  3.288327  2.427598
     7 |   2.19957  1.707232  3800.029    3254.1  .1914549  1.606333  1.659498
36.87558  3.011553   2.40818
     8 |  2.164437  1.700608   3873.26  3335.603  .1994224         .         .
      .         .         .
     9 |  2.110028  1.695458  3919.731  3384.036  .2082251  1.570424  1.650844
40.49167  3.095523  2.349742
-------+-------------------------------------------------------------------
---------------------------
 Total |  2.366047  1.728101  3460.851  2935.738  .2106331  1.650768  1.691828
47.51372  4.405699  2.498286
-------------------------------------------------------------------------------
---------------------------

  wave |     vote6     vote7     vote8  votenorm  votein~t   grpbfts   perbfts
envha~t1  envhab~2  envhab~3
```

```
-------+-------------------------------------------------------------------
---------------------------
     1 |  2.708898         .         .         .         .         .         .
3.761975  1.594343  3.319851
     2 |  2.665597  1.260266  5.841532  2.425142  7.408639  2.566418  2.457895
      .         .         .
     3 |  2.704618         .         .  2.522696  7.601222  2.828355  2.719912
      .         .         .
     4 |   2.70124         .         .         .         .         .         .
3.383673  1.557448  3.458888
     5 |  2.670264         .         .         .         .         .         .
      .         .         .
     6 |  2.622362         .         .   2.35925  8.245139  2.731969  2.577514
      .         .         .
     7 |  2.551361  1.188077  4.238162         .         .         .         .
      .         .         .
     8 |         .  1.160863  3.018474         .         .         .         .
      .         .         .
     9 |  2.476496  1.148847  3.868584  2.378105  8.362199  2.606366  2.385377
      .         .         .
-------+-------------------------------------------------------------------
---------------------------
 Total |  2.655422  1.199881  4.476919  2.430661  7.951542  2.721077  2.572319
3.623302  1.580816  3.370806
-------------------------------------------------------------------------------
---------------------------

  wave |  envhab~4  envhab~5  envhab~6  envhab~7  envhab~8  envhab~9  envha~10
envha~11  hhgrinc4  veryhi~c
-------+-------------------------------------------------------------------
---------------------------
     1 |  2.606971  4.278581  3.503612  2.442753  3.577594  3.125038  4.516266
4.881723  2.317212  .0067726
     2 |         .         .         .         .         .         .         .
      .   2.40161  .0066258
     3 |         .         .         .         .         .         .         .
      .  2.465849  .0093331
     4 |  2.527989  4.343282  3.600697  2.298098  3.942557  3.299101  4.611589
5.046074  2.505789   .008837
     5 |         .         .         .         .         .         .         .
      .  2.538016  .0092051
     6 |         .         .         .         .         .         .         .
      .  2.621617  .0127928
     7 |         .         .         .         .         .         .         .
      .  2.636085  .0158837
     8 |         .         .         .         .         .         .         .
      .  2.666579  .0139228
     9 |         .         .         .         .         .         .         .
      .   2.68574  .0147135
-------+-------------------------------------------------------------------
---------------------------
 Total |  2.578008  4.302317   3.53917  2.389724  3.711384  3.188849  4.551216
```

```
4.942041  2.499956  .0099952
-------------------------------------------------------------------------------
----------------------------

.
. xtset pidp wave
       panel variable:  pidp (unbalanced)
        time variable:  wave, 1 to 9
                delta:  1 unit

.
. xtdescribe, patterns(50)

    pidp:  68001367, 68004087, ..., 1.635e+09                n =      36619
    wave:  1, 2, ..., 9                                       T =          9
           Delta(wave) = 1 unit
           Span(wave)  = 9 periods
           (pidp*wave uniquely identifies each observation)

Distribution of T_i:   min      5%     25%       50%       75%     95%     max
                         1       1       2         5         9       9       9

     Freq.  Percent    Cum. |  Pattern
 ---------------------------+-----------
    13694     37.40   37.40 |  111111111
     8539     23.32   60.71 |  1........
     4508     12.31   73.02 |  11.......
     2411      6.58   79.61 |  111......
     1956      5.34   84.95 |  11111....
     1588      4.34   89.29 |  11111111.
     1498      4.09   93.38 |  1111.....
     1332      3.64   97.02 |  111111...
     1093      2.98  100.00 |  1111111..
 ---------------------------+-----------
    36619    100.00         |  XXXXXXXXX

.
. xtsum

Variable         |      Mean   Std. Dev.       Min        Max |    Observations
-----------------+--------------------------------------------+----------------
pidp     overall |  8.44e+08   4.70e+08   6.80e+07   1.63e+09 |     N =  192153
         between |             4.68e+08   6.80e+07   1.63e+09 |     n =   36619
         within  |                   0   8.44e+08   8.44e+08 | T-bar = 5.24736
                 |                                            |
wave     overall |  4.230082   2.580986          1          9 |     N =  192153
         between |             1.703798          1          5 |     n =   36619
         within  |             2.254167   .2300823   8.230082 | T-bar = 5.24736
                 |                                            |
hidp     overall |  8.46e+08   4.70e+08   6.80e+07   1.64e+09 |     N =  192153
         between |             4.68e+08   6.80e+07   1.64e+09 |     n =   36619
         within  |              1244342   8.40e+08   8.54e+08 | T-bar = 5.24736
```

buno_dv	overall	1.089434	.4334306	1	10	N = 192153
	between		.5306674	1	10	n = 36619
	within		.1804356	-2.910566	5.533878	T-bar = 5.24736
int~d_dv	overall	15.62413	8.207831	1	31	N = 192152
	between		5.160725	1	31	n = 36619
	within		7.358089	-6.820314	38.06858	T-bar = 5.24733
int~m_dv	overall	6.371321	3.450968	1	12	N = 192152
	between		2.99412	1	12	n = 36619
	within		1.998444	-3.406457	16.1491	T-bar = 5.24733
int~y_dv	overall	2012.782	2.654568	2009	2019	N = 192152
	between		1.808333	2009	2015	n = 36619
	within		2.272024	2007.893	2017.671	T-bar = 5.24733
indmode	overall	1.1305	.4922987	1	3	N = 192153
	between		.1551746	1	1.666667	n = 36619
	within		.456307	.4638335	2.908278	T-bar = 5.24736
numint~v	overall	7.460165	2.514138	1	9	N = 192153
	between		3.407595	1	9	n = 36619
	within		0	7.460165	7.460165	T-bar = 5.24736
hhorig	overall	1.578679	1.711532	1	7	N = 192153
	between		1.891465	1	7	n = 36619
	within		0	1.578679	1.578679	T-bar = 5.24736
psu	overall	5878.018	8827.807	2001	51784	N = 192153
	between		9692.944	2001	51784	n = 36619
	within		0	5878.018	5878.018	T-bar = 5.24736
strata	overall	2772.099	505.09	2001	5117	N = 192153
	between		525.6906	2001	5117	n = 36619
	within		0	2772.099	2772.099	T-bar = 5.24736
sampst	overall	1	0	1	1	N = 192153
	between		0	1	1	n = 36619
	within		0	1	1	T-bar = 5.24736
indinu~2	overall	1.001449	.4623703	.0283388	6.870168	N = 56160
	between		.4623744	.0283388	6.870168	n = 28080
	within		0	1.001449	1.001449	T = 2
indscu~2	overall	.8003212	.5675832	0	6.391003	N = 56160
	between		.5675882	0	6.391003	n = 28080
	within		0	.8003212	.8003212	T = 2
indinu~3	overall	.9947011	.4955531	.0373579	7.374211	N = 70716
	between		.4955601	.0373579	7.374211	n = 23572
	within		0	.9947011	.9947011	T = 3

indscu~3	overall	.7517153	.6209779	0	6.920336	N =	70716
	between		.6209867	0	6.920336	n =	23572
	within		0	.7517153	.7517153	T =	3
indinu~4	overall	.9917511	.5105641	.0404378	5.272027	N =	84644
	between		.5105731	.0404378	5.272027	n =	21161
	within		0	.9917511	.9917511	T =	4
indscu~4	overall	.7368012	.63626	0	5.164831	N =	84644
	between		.6362713	0	5.164831	n =	21161
	within		0	.7368012	.7368012	T =	4
indinu~5	overall	.9905598	.5269004	.0411398	5.450037	N =	98315
	between		.5269112	.0411398	5.450037	n =	19663
	within		0	.9905598	.9905598	T =	5
indscu~5	overall	.7144017	.6617237	0	5.698253	N =	98315
	between		.6617371	0	5.698253	n =	19663
	within		0	.7144017	.7144017	T =	5
indinu~6	overall	.9867167	.5616792	.0418546	5.611991	N =	106242
	between		.5616924	.0418546	5.611991	n =	17707
	within		0	.9867167	.9867167	T =	6
indscu~6	overall	.6955065	.6925819	0	5.465546	N =	106242
	between		.6925982	0	5.465546	n =	17707
	within		0	.6955065	.6955065	T =	6
indinu~7	overall	.98101	.5953075	.0430363	5.817138	N =	114625
	between		.5953231	.0430363	5.817138	n =	16375
	within		0	.98101	.98101	T =	7
indscu~7	overall	.6911009	.7176485	0	5.799165	N =	114625
	between		.7176673	0	5.799165	n =	16375
	within		0	.6911009	.6911009	T =	7
indinu~8	overall	.9751077	.6177667	.0531304	5.457535	N =	122256
	between		.6177843	.0531304	5.457535	n =	15282
	within		0	.9751077	.9751077	T =	8
indscu~8	overall	.6904139	.7377436	0	5.911215	N =	122256
	between		.7377647	0	5.911215	n =	15282
	within		0	.6904139	.6904139	T =	8
indinu~9	overall	.9671417	.6464485	.0537665	5.808817	N =	123246
	between		.6464695	.0537665	5.808817	n =	13694
	within		0	.9671417	.9671417	T =	9
indscu~9	overall	.6890514	.7517226	0	5.804289	N =	123246
	between		.751747	0	5.804289	n =	13694
	within		0	.6890514	.6890514	T =	9

mvever	overall	1.961054	.1934684	1	2	N = 36615
	between		.1934684	1	2	n = 36615
	within		0	1.961054	1.961054	T = 1
mvmnth	overall	6.625714	3.264514	1	12	N = 34292
	between		3.264514	1	12	n = 34292
	within		0	6.625714	6.625714	T = 1
mvyr	overall	1997.085	12.73609	1923	2010	N = 35079
	between		12.73609	1923	2010	n = 35079
	within		0	1997.085	1997.085	T = 1
distmo~v	overall	30.53445	78.28252	.005	998.773	N = 6929
	between		71.79741	.02	998.773	n = 5101
	within		37.855	-365.0282	499.1085	T-bar = 1.35836
addrmo~v	overall	1.944897	.2281823	1	2	N = 127452
	between		.1434282	1	2	n = 23572
	within		.1944884	1.087754	2.80204	T-bar = 5.40692
lkmove	overall	1.322622	.4674805	1	2	N = 190818
	between		.3922713	1	2	n = 36547
	within		.3172958	.4337327	2.21151	T-bar = 5.22117
xpmove	overall	1.89468	.3069667	1	2	N = 189156
	between		.2908589	1	2	n = 36402
	within		.231789	1.005791	2.783568	T-bar = 5.19631
gor_dv	overall	6.281941	3.063073	1	12	N = 192083
	between		3.039395	1	12	n = 36619
	within		.3154657	-1.718059	15.17083	T-bar = 5.24545
urban_dv	overall	1.23784	.4257617	1	2	N = 192083
	between		.4041759	1	2	n = 36619
	within		.0966778	.348951	2.126729	T-bar = 5.24545
country	overall	1.310756	.7766052	1	4	N = 192083
	between		.7837665	1	4	n = 36619
	within		.0574469	-1.35591	3.977423	T-bar = 5.24545
age_dv	overall	52.40156	17.05193	16	104	N = 192152
	between		18.32819	16	102.5	n = 36619
	within		2.271404	47.51267	57.29045	T-bar = 5.24733
doby_dv	overall	1959.882	16.80888	1908	1994	N = 192152
	between		18.06692	1908	1994	n = 36619
	within		0	1959.882	1959.882	T-bar = 5.24733
sex_dv	overall	1.577576	.4939465	1	2	N = 192146
	between		.49535	1	2	n = 36618
	within		0	1.577576	1.577576	T-bar = 5.24731

ethn_dv	overall	2.897151	7.048405	1	97	N = 192146
	between		8.145682	1	97	n = 36616
	within		0	2.897151	2.897151	T-bar = 5.2476
cob_dv	overall	7.225835	20.21258	1	97	N = 192096
	between		22.67785	1	97	n = 36611
	within		0	7.225835	7.225835	T-bar = 5.24695
bornuk~v	overall	1.142715	.349783	1	2	N = 192096
	between		.3829827	1	2	n = 36611
	within		0	1.142715	1.142715	T-bar = 5.24695
yr2uk4	overall	1986.823	17.93445	1913	2010	N = 27313
	between		17.6252	1913	2010	n = 6501
	within		0	1986.823	1986.823	T-bar = 4.20135
hhsize~v	overall	2.64215	1.388765	1	15	N = 192153
	between		1.404347	1	14	n = 36619
	within		.4491938	-5.024517	9.419928	T-bar = 5.24736
hhtype~v	overall	9.615801	5.95444	1	23	N = 192153
	between		5.695886	1	23	n = 36619
	within		2.810182	-6.669913	28.06025	T-bar = 5.24736
mstat_dv	overall	2.405136	1.1389	1	5	N = 191975
	between		1.106781	1	5	n = 36614
	within		.5100154	-1.150419	5.960692	T-bar = 5.24321
livesp~v	overall	.5587475	.496538	0	1	N = 192153
	between		.4855851	0	1	n = 36619
	within		.1431501	-.3301414	1.447636	T-bar = 5.24736
cohab_dv	overall	.1021478	.3028433	0	1	N = 192153
	between		.2860763	0	1	n = 36619
	within		.1383837	-.7867411	.9910367	T-bar = 5.24736
nchild~v	overall	.49573	.9227149	0	10	N = 192153
	between		.8973601	0	10	n = 36619
	within		.3095895	-4.059826	7.49573	T-bar = 5.24736
depchl~v	overall	1.993823	.0783533	1	2	N = 192153
	between		.1120724	1	2	n = 36619
	within		.0471208	1.104934	2.743823	T-bar = 5.24736
ndepch~v	overall	.720491	1.068289	0	12	N = 154614
	between		1.030837	0	12	n = 30798
	within		.3481528	-4.029509	5.164935	T-bar = 5.02026
hiqual~v	overall	3.671598	2.59415	1	9	N = 192088
	between		2.667437	1	9	n = 36598
	within		.269389	-2.453402	9.893821	T-bar = 5.24859

sf1_dv	overall	2.666167	1.111381	1	5	N = 190011
	between		1.028313	1	5	n = 36584
	within		.5821487	-.6671666	6.166167	T-bar = 5.19383
bmi_dv	overall	26.13269	5.113939	4.4	84.4	N = 34244
	between		5.113939	4.4	84.4	n = 34244
	within		0	26.13269	26.13269	T = 1
sf12pc~v	overall	48.78556	11.58232	4.33	76.29	N = 177586
	between		11.03374	4.33	74.13	n = 36481
	within		5.599606	6.570001	81.08667	T-bar = 4.8679
sf12mc~v	overall	49.95618	9.884368	0	78.08	N = 177586
	between		8.697631	0	76.35	n = 36481
	within		6.153401	3.942842	85.69743	T-bar = 4.8679
scghq1~v	overall	10.99874	5.375869	0	36	N = 174113
	between		4.618419	0	36	n = 33982
	within		3.409611	-10.00126	36.74874	T-bar = 5.12368
scghq2~v	overall	1.708655	2.943055	0	12	N = 174113
	between		2.419806	0	12	n = 33982
	within		1.998091	-8.791345	12.37532	T-bar = 5.12368
swemwb~v	overall	25.17136	4.563528	7	35	N = 64968
	between		4.204365	7	35	n = 32427
	within		2.250879	6.504695	39.17136	T-bar = 2.00352
sclfsato	overall	5.198861	1.474963	1	7	N = 174308
	between		1.205848	1	7	n = 33916
	within		1.019392	-.1344727	10.19886	T-bar = 5.1394
jbstat	overall	3.565887	6.45531	1	97	N = 192118
	between		5.291986	1	97	n = 36616
	within		5.165217	-74.76745	88.89922	T-bar = 5.24683
jbhas_dv	overall	1.988743	.9599716	1	3	N = 192142
	between		.8955378	1	3	n = 36617
	within		.4158399	.2109649	3.76652	T-bar = 5.24734
jbsoc0~c	overall	451.3927	253.1596	111	925	N = 103785
	between		248.7935	111	925	n = 22258
	within		84.89003	-271.274	1168.393	T-bar = 4.66282
jbsic0~c	overall	65.89756	22.81373	1	99	N = 103386
	between		22.09665	1	99	n = 22123
	within		6.599408	-6.99133	139.6753	T-bar = 4.67324
jbnsse~v	overall	4.453997	2.032067	1	8	N = 103754
	between		1.983674	1	8	n = 22256
	within		.6850774	-1.260289	10.67622	T-bar = 4.66184

jbmngr	overall	2.372465	.8478519	1	3	N = 89254
	between		.7718078	1	3	n = 19804
	within		.358466	.5946873	4.150243	T-bar = 4.50687
jbsize	overall	5.182092	2.482983	1	11	N = 88999
	between		2.366742	1	11	n = 19760
	within		.9754156	-2.532194	14.07098	T-bar = 4.504
jbterm~v	overall	1.240673	.9022657	1	6	N = 104507
	between		.8482314	1	6	n = 22337
	within		.6692823	-2.759327	5.685117	T-bar = 4.67865
jbsect~v	overall	2.869029	2.544281	1	10	N = 89119
	between		2.29699	1	10	n = 19785
	within		1.18977	-5.130971	10.86903	T-bar = 4.50437
jbhrs	overall	32.27566	10.94074	0	97.9	N = 88888
	between		10.81519	1	97	n = 19759
	within		5.064779	-18.55768	109.2757	T-bar = 4.49861
jbot	overall	3.377816	6.140173	0	97	N = 88633
	between		4.885731	0	70	n = 19750
	within		4.219742	-41.62218	74.80639	T-bar = 4.48775
jbft_dv	overall	1.285428	.45162	1	2	N = 103613
	between		.4164648	1	2	n = 22265
	within		.2365046	.3965386	2.174316	T-bar = 4.65363
jbotpd	overall	3.05769	5.310819	0	90	N = 37372
	between		4.807262	0	90	n = 12010
	within		2.785533	-32.94231	46.91483	T-bar = 3.11174
jbpl	overall	2.551873	6.002172	1	97	N = 89314
	between		4.699929	1	97	n = 19806
	within		5.040076	-67.19813	87.7741	T-bar = 4.50944
jbttwt	overall	26.07389	23.2362	0	997	N = 85638
	between		20.21126	0	276	n = 19380
	within		13.67804	-249.9261	903.9628	T-bar = 4.41889
workdis	overall	10.26831	21.26186	0	997	N = 44449
	between		16.99254	0	401.3333	n = 17127
	within		13.42108	-389.7317	803.8683	T-bar = 2.59526
worktrav	overall	3.852307	8.040909	1	97	N = 86199
	between		6.78513	1	97	n = 19429
	within		5.910334	-77.57626	89.18564	T-bar = 4.43662
jbsat	overall	5.337737	1.42951	1	7	N = 104466
	between		1.199132	1	7	n = 22304
	within		1.010573	.0044033	10.44885	T-bar = 4.68373

j2has	overall	1.952	.2137659	1	2	N = 191960
	between		.1537337	1	2	n = 36569
	within		.15846	1.063112	2.840889	T-bar = 5.24925
j2semp	overall	1.505053	.5000019	1	2	N = 9104
	between		.4720267	1	2	n = 4260
	within		.216467	.6161638	2.393942	T-bar = 2.13709
j2soc0~c	overall	493.0306	247.421	111	925	N = 8208
	between		239.7367	111	925	n = 3990
	within		95.02732	-206.9694	1177.888	T-bar = 2.05714
j2nsse~v	overall	5.018519	2.065138	1	8	N = 8208
	between		1.993406	1	8	n = 3990
	within		.7764431	.2185185	9.018519	T-bar = 2.05714
j2hrs	overall	23.41017	26.32686	0	160	N = 8867
	between		23.1266	0	160	n = 4196
	within		15.16004	-69.58983	140.2673	T-bar = 2.1132
jsboss	overall	1.83032	.3753643	1	2	N = 14987
	between		.3360781	1	2	n = 4091
	within		.1806138	.9414307	2.719208	T-bar = 3.66341
jssize	overall	1.912239	1.308878	1	10	N = 2541
	between		1.210389	1	10	n = 923
	within		.4679266	-2.087761	8.912239	T-bar = 2.75298
jshrs	overall	33.85867	17.91566	1	120	N = 14727
	between		17.32394	1	120	n = 4050
	within		7.974775	-32.98418	96.35867	T-bar = 3.6363
jstypeb	overall	2.88139	1.486383	1	6	N = 14965
	between		1.311497	1	6	n = 4082
	within		.9423966	-1.563055	7.325834	T-bar = 3.6661
jsaccs	overall	1.257034	.5811801	1	3	N = 14893
	between		.5987495	1	3	n = 4075
	within		.387553	-.2429665	3.034811	T-bar = 3.65472
jspart	overall	1.197823	.3983744	1	2	N = 12127
	between		.3677925	1	2	n = 3315
	within		.1798903	.3089342	2.086712	T-bar = 3.65822
jspl	overall	6.973943	18.39799	1	97	N = 14967
	between		17.03671	1	97	n = 4089
	within		13.59617	-68.85939	91.97394	T-bar = 3.66031
jsttwt	overall	1.285999	.4519137	1	2	N = 9042
	between		.3932335	1	2	n = 2902
	within		.2813775	.3971098	2.174888	T-bar = 3.11578

jsttwtb	overall	28.3278	28.54833	0	600	N =	6440
	between		30.08544	0	600	n =	2385
	within		13.17858	-121.1722	377.4945	T-bar =	2.70021
jswork~s	overall	12.49848	36.06093	0	600	N =	329
	between		36.06093	0	600	n =	329
	within		0	12.49848	12.49848	T =	1
jswork~v	overall	3.888841	12.11255	1	97	N =	9239
	between		11.23859	1	97	n =	2917
	within		8.107936	-77.00005	89.22217	T-bar =	3.1673
jbhad	overall	1.155009	.3619246	1	2	N =	15812
	between		.3619246	1	2	n =	15812
	within		0	1.155009	1.155009	T =	1
jlsemp	overall	1.089152	.2849736	1	2	N =	13348
	between		.2849736	1	2	n =	13348
	within		0	1.089152	1.089152	T =	1
jlendy	overall	1998.216	11.612	1900	2010	N =	13042
	between		11.612	1900	2010	n =	13042
	within		0	1998.216	1998.216	T =	1
jlendm	overall	6.484282	3.270088	1	12	N =	12311
	between		3.270088	1	12	n =	12311
	within		0	6.484282	6.484282	T =	1
jlsoc0~c	overall	552.3337	266.5158	111	925	N =	13268
	between		266.5158	111	925	n =	13268
	within		0	552.3337	552.3337	T =	1
jlsic0~c	overall	58.39759	25.54469	1	99	N =	13056
	between		25.54469	1	99	n =	13056
	within		0	58.39759	58.39759	T =	1
jlnsse~v	overall	5.362759	2.109102	1	8	N =	13265
	between		2.109102	1	8	n =	13265
	within		0	5.362759	5.362759	T =	1
jlmngr	overall	2.574591	.7427859	1	3	N =	12153
	between		.7427859	1	3	n =	12153
	within		0	2.574591	2.574591	T =	1
jlboss	overall	1.698319	.4591804	1	2	N =	1190
	between		.4591804	1	2	n =	1190
	within		0	1.698319	1.698319	T =	1
jlsize	overall	4.902919	2.588567	1	11	N =	12402
	between		2.588567	1	11	n =	12402
	within		0	4.902919	4.902919	T =	1

fimngr~v	overall	1728.951	1547.777	-17741.34	27916.33	N = 192153
	between		1346.146	-3578.3	16893.83	n = 36619
	within		756.2773	-17286.88	21869.6	T-bar = 5.24736
fimnne~v	overall	1481.957	1736.147	-17741.34	387060.7	N = 192153
	between		1234.524	-3700.678	75765.65	n = 36619
	within		1195.592	-68862.36	312777	T-bar = 5.24736
fimngr~f	overall	.1299245	.3009482	0	1	N = 192153
	between		.2574958	0	1	n = 36619
	within		.2169478	-.7589644	1.018813	T-bar = 5.24736
paygu_dv	overall	1987.232	1447.466	.08	8333	N = 89665
	between		1352.295	.54	8333	n = 19850
	within		477.8453	-4372.176	8952.585	T-bar = 4.51713
paygu_if	overall	.0380114	.1912242	0	1	N = 192153
	between		.1771706	0	1	n = 36619
	within		.1389426	-.8508775	.9269003	T-bar = 5.24736
paynu_dv	overall	1478.073	922.7582	.08	8200	N = 89665
	between		868.542	.54	6100	n = 19850
	within		324.0127	-2415.677	6287.517	T-bar = 4.51713
paynu_if	overall	.0380114	.1912242	0	1	N = 192153
	between		.1771706	0	1	n = 36619
	within		.1389426	-.8508775	.9269003	T-bar = 5.24736
j2pay_dv	overall	22.33053	234.0509	0	8333	N = 192153
	between		154.57	0	8333	n = 36619
	within		187.0917	-6162.669	7429.442	T-bar = 5.24736
j2payn~v	overall	18.07087	173.7028	0	8000	N = 192153
	between		109.954	0	5400	n = 36619
	within		139.9913	-3915.262	7129.182	T-bar = 5.24736
j2pay_if	overall	.0071037	.0839839	0	1	N = 192153
	between		.065992	0	1	n = 36619
	within		.0705356	-.8817852	.8959926	T-bar = 5.24736
see~s_dv	overall	1703.09	2053.531	-17888.89	8333	N = 15029
	between		1797.295	-5018.02	8333	n = 4090
	within		1103.076	-17055.13	12187.87	T-bar = 3.67457
see~t_dv	overall	1314.803	1397.081	-17888.89	5824.72	N = 15029
	between		1216.492	-5018.02	5459.08	n = 4090
	within		772.0639	-15855.85	10333.08	T-bar = 3.67457
seearn~f	overall	.0303508	.1715511	0	1	N = 192153
	between		.1442601	0	1	n = 36619
	within		.1208135	-.8585381	.9192397	T-bar = 5.24736

tenure~v	overall	2.366047	1.666587	1	8	N = 190888
	between		1.777642	1	8	n = 36577
	within		.6281127	-2.883953	8.588269	T-bar = 5.2188
ieqmoe~v	overall	1.728101	.5871056	1	6.7	N = 191486
	between		.5972981	1	6.5	n = 36608
	within		.2032897	-1.48301	4.628101	T-bar = 5.23071
fih~s_dv	overall	3460.851	2667.207	0	131881.7	N = 191593
	between		2351.84	0	71957.93	n = 36619
	within		1332.474	-15245.65	116387.9	T-bar = 5.23207
fih~1_dv	overall	2935.738	2754.062	-16356.34	395352.7	N = 191593
	between		2020.081	-1778.385	83663.52	n = 36619
	within		1838.113	-70977.11	314624.9	T-bar = 5.23207
fihhmn~f	overall	.2106331	.3241235	0	1	N = 191593
	between		.292271	0	1	n = 36619
	within		.2132339	-.6782558	1.099522	T-bar = 5.23207
vote1	overall	1.650768	.4767288	1	2	N = 175694
	between		.3882095	1	2	n = 36525
	within		.3045673	.7757678	2.525768	T-bar = 4.81024
vote2	overall	1.691828	.46174	1	2	N = 114076
	between		.3883399	1	2	n = 30487
	within		.3116755	.8168283	2.566828	T-bar = 3.74179
vote3	overall	47.51372	46.02563	1	97	N = 67753
	between		39.4368	1	97	n = 23958
	within		29.1301	-35.61128	131.1387	T-bar = 2.82799
vote4	overall	4.405699	14.02174	1	97	N = 95307
	between		14.49422	1	97	n = 25342
	within		8.831437	-67.5943	88.4057	T-bar = 3.76083
vote5	overall	2.498286	.6503498	1	4	N = 108526
	between		.5266145	1	4	n = 30023
	within		.4124589	.6232861	4.998286	T-bar = 3.61476
vote6	overall	2.655422	.9643805	1	4	N = 175989
	between		.8684707	1	4	n = 36534
	within		.4964775	.0304216	5.280422	T-bar = 4.81713
vote7	overall	1.199881	.4294914	1	3	N = 25115
	between		.4211299	1	3	n = 16826
	within		.1614552	-.1334528	2.533214	T-bar = 1.49263
vote8	overall	4.476919	14.02485	1	97	N = 19670
	between		13.34263	1	97	n = 13570
	within		6.801292	-59.52308	68.47692	T-bar = 1.44952

votenorm	overall	2.430661	.773798	1	5	N = 50051
	between		.6544473	1	5	n = 23637
	within		.4679701	.1806607	4.763994	T-bar = 2.11749
votein~t	overall	7.951542	3.363731	0	11	N = 55698
	between		3.203159	0	11	n = 24516
	within		1.556694	-.2984578	16.20154	T-bar = 2.2719
grpbfts	overall	2.721077	.9670976	1	5	N = 55976
	between		.8246879	1	5	n = 24460
	within		.5777524	-.0289231	5.721077	T-bar = 2.28847
perbfts	overall	2.572319	1.086103	1	6	N = 56451
	between		.971643	1	6	n = 24487
	within		.5738173	-.761014	6.072319	T-bar = 2.30535
envha~t1	overall	3.623302	1.755532	1	6	N = 57643
	between		1.587047	1	6	n = 36533
	within		.8176644	1.123302	6.123302	T-bar = 1.57783
envhab~2	overall	1.580816	.9577077	1	6	N = 57662
	between		.8742882	1	6	n = 36539
	within		.4780251	-.9191842	4.080816	T-bar = 1.57809
envhab~3	overall	3.370806	1.704769	1	6	N = 57642
	between		1.594628	1	6	n = 36537
	within		.6939127	.870806	5.870806	T-bar = 1.57763
envhab~4	overall	2.578008	1.329507	1	6	N = 57629
	between		1.219542	1	6	n = 36533
	within		.627861	.0780076	5.078008	T-bar = 1.57745
envhab~5	overall	4.302317	1.036158	1	6	N = 57539
	between		.9490086	1	6	n = 36497
	within		.4880654	1.802317	6.802317	T-bar = 1.57654
envhab~6	overall	3.53917	1.374462	1	6	N = 57225
	between		1.260938	1	6	n = 36421
	within		.6462097	1.03917	6.03917	T-bar = 1.57121
envhab~7	overall	2.389724	1.584956	1	6	N = 57651
	between		1.507773	1	6	n = 36538
	within		.6366516	-.1102756	4.889724	T-bar = 1.57784
envhab~8	overall	3.711384	1.529636	1	6	N = 57651
	between		1.467737	1	6	n = 36540
	within		.6106172	1.211384	6.211384	T-bar = 1.57775
envhab~9	overall	3.188849	1.549562	1	6	N = 57665
	between		1.450904	1	6	n = 36542
	within		.6599877	.6888494	5.688849	T-bar = 1.57805

```
                |                                                 |
envha~10 overall |  4.551216    1.34061          1          6 |     N =   57658
         between |             1.226323          1          6 |     n =   36539
         within  |             .6674683   2.051216   7.051216 | T-bar = 1.57799
                |                                                 |
envha~11 overall |  4.942041    1.27667          1          6 |     N =   57541
         between |             1.158683          1          6 |     n =   36498
         within  |             .6640503   2.442041   7.442041 | T-bar = 1.57655
                |                                                 |
hhgrinc4 overall |  2.499956   1.118067          1          4 |     N =  191593
         between |             1.028964          1          4 |     n =   36619
         within  |             .5277144   -.166711   5.166622 | T-bar = 5.23207
                |                                                 |
veryhi~c overall |  .0099952   .0994754          0          1 |     N =  191592
         between |             .0683197          0          1 |     n =   36618
         within  |             .0739566  -.8788937   .8988841 | T-bar = 5.23218

.
. g l_mstat_dv=L1.mstat_dv
(36,765 missing values generated)

. g n_mstat_dv=F1.mstat_dv
(36,785 missing values generated)

.
. bys pidp: egen bmi_dv_fixed=mean(bmi_dv)
(10777 missing values generated)

. tabstat bmi_dv_fixed, by(wave) s(mean)

Summary for variables: bmi_dv_fixed
     by categories of: wave (interview wave)

  wave |      mean
-------+----------
     1 |  26.13269
     2 |  26.34586
     3 |  26.41856
     4 |  26.46261
     5 |  26.49708
     6 |  26.54043
     7 |   26.5625
     8 |  26.57629
     9 |  26.59123
-------+----------
 Total |  26.41547
------------------

. xtsum bmi_dv_fixed

Variable         |      Mean   Std. Dev.       Min        Max |    Observations
-----------------+--------------------------------------------+----------------
```

```
bmi_dv~d overall |  26.41547   5.095172        4.4       84.4 |     N =  181376
         between |             5.113939        4.4       84.4 |     n =   34244
         within  |                   0   26.41547   26.41547 | T-bar = 5.29658

.
.
. // 2. Analysing the data (using Stata) – Part 1
. xttrans mstat_dv

  de-facto |
   marital |
   status, |           de-facto marital status, collapsed
 collapsed |         1          2          3          4          5 |     Total
-----------+--------------------------------------------------------+----------
         1 |     92.10       1.34       1.86       0.35       4.36 |    100.00
         2 |      0.07      98.21       0.76       0.62       0.33 |    100.00
         3 |      2.97       1.81      91.54       1.35       2.33 |    100.00
         4 |      0.72       0.27       1.49      97.03       0.49 |    100.00
         5 |      3.59       9.70       1.19       0.23      85.30 |    100.00
-----------+--------------------------------------------------------+----------
     Total |     13.97      57.94      10.56       7.91       9.62 |    100.00

. xttrans mstat_dv if sex_dv==1 & age_dv>=30 & age_dv<=39

  de-facto |
   marital |
   status, |           de-facto marital status, collapsed
 collapsed |         1          2          3          4          5 |     Total
-----------+--------------------------------------------------------+----------
         1 |     89.16       3.48       0.87       0.00       6.49 |    100.00
         2 |      0.15      98.09       1.14       0.04       0.58 |    100.00
         3 |      4.78       6.70      78.95       0.00       9.57 |    100.00
         4 |      0.00      25.00       0.00      50.00      25.00 |    100.00
         5 |      4.42      11.99       0.44       0.00      83.15 |    100.00
-----------+--------------------------------------------------------+----------
     Total |     17.51      61.38       2.96       0.07      18.08 |    100.00

. xttrans mstat_dv if sex_dv==2 & age_dv>=30 & age_dv<=39

  de-facto |
   marital |
   status, |           de-facto marital status, collapsed
 collapsed |         1          2          3          4          5 |     Total
-----------+--------------------------------------------------------+----------
         1 |     91.72       1.60       0.93       0.08       5.68 |    100.00
         2 |      0.11      97.86       1.47       0.05       0.51 |    100.00
         3 |      6.16       5.03      83.52       0.00       5.28 |    100.00
         4 |      4.88       4.88       2.44      85.37       2.44 |    100.00
         5 |      3.91      11.78       1.01       0.00      83.29 |    100.00
-----------+--------------------------------------------------------+----------
     Total |     17.25      61.25       6.14       0.30      15.05 |    100.00
```

```
.
.
. mean scghq1_dv, over(wave)

Mean estimation                   Number of obs    =    174,113

            1: wave = 1
            2: wave = 2
            3: wave = 3
            4: wave = 4
            5: wave = 5
            6: wave = 6
            7: wave = 7
            8: wave = 8
            9: wave = 9

--------------------------------------------------------------
        Over |       Mean   Std. Err.     [95% Conf. Interval]
-------------+------------------------------------------------
scghq1_dv    |
           1 |     11.028    .030401      10.96841    11.08758
           2 |   11.16465    .034775      11.09649     11.2328
           3 |   10.98707   .0371486      10.91426    11.05988
           4 |   10.91432   .0390656      10.83775    10.99089
           5 |   11.10694    .040925      11.02673    11.18715
           6 |   10.75606   .0401388      10.67739    10.83473
           7 |   10.83663    .042144      10.75402    10.91923
           8 |   11.05828   .0445421      10.97098    11.14558
           9 |   11.06017   .0467113      10.96862    11.15173
--------------------------------------------------------------

. test
[scghq1_dv]1=[scghq1_dv]2=[scghq1_dv]3=[scghq1_dv]4=[scghq1_dv]5=[scghq1_dv]6=[s
cghq1_dv]7=[scghq1_dv]8=[scgh
> q1_dv]9

 ( 1)  [scghq1_dv]1 - [scghq1_dv]2 = 0
 ( 2)  [scghq1_dv]1 - [scghq1_dv]3 = 0
 ( 3)  [scghq1_dv]1 - [scghq1_dv]4 = 0
 ( 4)  [scghq1_dv]1 - [scghq1_dv]5 = 0
 ( 5)  [scghq1_dv]1 - [scghq1_dv]6 = 0
 ( 6)  [scghq1_dv]1 - [scghq1_dv]7 = 0
 ( 7)  [scghq1_dv]1 - [scghq1_dv]8 = 0
 ( 8)  [scghq1_dv]1 - [scghq1_dv]9 = 0

       F(  8,174112) =   11.28
            Prob > F =    0.0000

.
. regress scghq1_dv i.sex_dv i.ethn_dv c.age_dv##c.age_dv ///
>         i.sf1_dv c.fihhmngrs_dv c.hhsize c.ndepchl i.jbhas_dv i.intdaty_dv
```

```
      Source |       SS           df       MS      Number of obs   =   140,392
-------------+----------------------------------   F(39, 140352)   =    816.12
       Model |   714857.59        39  18329.6818   Prob > F        =    0.0000
    Residual |  3152251.34   140,352  22.4596111   R-squared       =    0.1849
-------------+----------------------------------   Adj R-squared   =    0.1846
       Total |  3867108.93   140,391  27.5452766   Root MSE        =    4.7392

------------------------------------------------------------------------------
             scghq1_dv |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-----------------------+------------------------------------------------------------------
                sex_dv |
                Female |   .8571091   .0262173    32.69   0.000     .8057238    .9084944
                       |
                ethn_dv |
                 irish |   .3615145   .1124475     3.21   0.001     .1411196    .5819095
  gypsy or irish traveller |   1.510415   1.580105     0.96   0.339    -1.586561    4.607391
any other white background |   .0340371   .0803404     0.42   0.672    -.1234285    .1915027
 white and black caribbean |  -.1063087   .1793785    -0.59   0.553    -.4578871    .2452697
   white and black african |  -.0067572   .2899978    -0.02   0.981    -.5751474    .5616329
          white and asian |   .2928024   .2387963     1.23   0.220    -.1752337    .7608385
any other mixed background |   .3219903   .1856518     1.73   0.083    -.0418837    .6858642
                   indian |  -.3525343   .0729273    -4.83   0.000    -.4954705   -.2095982
                pakistani |   .1219757   .0933148     1.31   0.191    -.0609196     .304871
              bangladeshi |    .025801    .123161     0.21   0.834    -.2155921    .2671942
                  chinese |  -.1848937   .1902832    -0.97   0.331    -.5578451    .1880577
any other asian background |  -.6362087   .1198344    -5.31   0.000    -.8710818   -.4013355
                caribbean |  -.0325574   .1022114    -0.32   0.750    -.2328898     .167775
                  african |  -.9865264   .1020673    -9.67   0.000    -1.186576   -.7864764
any other black background |   .0381195   .3215068     0.12   0.906    -.5920277    .6682666
                     arab |   .4531396   .2511332     1.80   0.071    -.0390767     .945356
    any other ethnic group |   .3938269   .2108996     1.87   0.062    -.0195322    .8071861
```

```
                             |
                  age_dv |   .0985936   .0050008    19.72   0.000
.0887921    .1083951
                             |
          c.age_dv#c.age_dv |  -.0014654   .0000505   -29.03   0.000
-.0015644   -.0013665
                             |
                  sf1_dv |
           very good         |   1.098186   .0386697    28.40   0.000
1.022394    1.173978
                 good        |   2.409018   .0400922    60.09   0.000
2.330438    2.487598
                  fair       |   4.845788   .0478511   101.27   0.000
4.752001    4.939576
                or Poor?     |   8.811389   .0664467   132.61   0.000
8.681155    8.941624
                             |
               fihhmngrs_dv |  -.0000391   5.29e-06    -7.39   0.000
-.0000494   -.0000287
                 hhsize_dv |   .0078375   .0164711     0.48   0.634
-.0244456    .0401206
              ndepchl_dv |   .0748618    .018492     4.05   0.000
.0386177    .1111058
                             |
                jbhas_dv |
            self-employed  |  -.0932333   .0471767    -1.98   0.048
-.1856987   -.0007678
              not employed  |   .5424073   .0339117    15.99   0.000
.475941    .6088735
                             |
                intdaty_dv |
                     2010  |   .0808494   .0526585     1.54   0.125
-.0223602     .184059
                     2011  |   .1668894    .053979     3.09   0.002
.0610916    .2726871
                     2012  |   .0436255   .0557137     0.78   0.434
-.0655722    .1528232
                     2013  |   .2050683   .0571853     3.59   0.000
.0929861    .3171505
                     2014  |   .1302517   .0581551     2.24   0.025
.0162689    .2442346
                     2015  |   .0112604   .0591926     0.19   0.849
-.1047559    .1272768
                     2016  |   .0771083   .0603485     1.28   0.201
-.0411736    .1953903
                     2017  |   .2189925   .0624765     3.51   0.000
.0965397    .3414452
                     2018  |   .2984536   .0773128     3.86   0.000
.146922    .4499851
                     2019  |    .397651   .2233106     1.78   0.075
-.0400335    .8353356
                             |
```

```
                       _cons |   7.045992    .135293    52.08   0.000
6.78082    7.311164
------------------------------------------------------------------------------
-------------

.
. g l_ghq=L1.scghq1_dv
(49,832 missing values generated)

. regress scghq1_dv i.sex_dv i.ethn_dv c.age_dv##c.age_dv ///
>         i.sf1_dv c.fihhmngrs_dv c.hhsize c.ndepchl i.jbhas_dv i.intdaty_dv ///
>                 c.l_ghq

      Source |       SS           df       MS      Number of obs   =   108,259
-------------+----------------------------------   F(39, 108219)   =   1579.27
       Model |  1080779.39        39   27712.292   Prob > F        =    0.0000
    Residual |  1898978.78   108,219  17.5475543   R-squared       =    0.3627
-------------+----------------------------------   Adj R-squared   =    0.3625
       Total |  2979758.17   108,258  27.5246002   Root MSE        =     4.189

------------------------------------------------------------------------------
-------------
                  scghq1_dv |      Coef.   Std. Err.      t    P>|t|     [95%
Conf. Interval]
----------------------------+-------------------------------------------------
-------------
                     sex_dv |
                     Female  |    .472171   .0265022    17.82   0.000
.4202271    .5241149
                            |
                     ethn_dv |
                      irish  |   .2184797   .1154389     1.89   0.058
-.0077789    .4447383
  gypsy or irish traveller  |  -3.716691   2.962557    -1.25   0.210
-9.52326    2.089878
any other white background  |    .042651   .0819174     0.52   0.603
-.1179059     .203208
 white and black caribbean  |  -.0727878   .1825021    -0.40   0.690
-.4304894    .2849138
   white and black african  |  -.0501839   .3067973    -0.16   0.870
-.6515022    .5511344
           white and asian  |   .3232264   .2483035     1.30   0.193
-.163445    .8098977
any other mixed background  |   .1550537   .1892465     0.82   0.413
-.2158668    .5259741
                    indian  |  -.1568443   .0767529    -2.04   0.041
-.307279   -.0064097
                  pakistani  |   .0175204   .0990898     0.18   0.860
-.1766942     .211735
                bangladeshi  |   .0685882   .1397023     0.49   0.623
-.2052263    .3424026
                     chinese  |  -.1925424   .2034827    -0.95   0.344
```

```
-.5913657    .2062809
any other asian background  |  -.3172052   .1272218    -2.49   0.013
-.5665581   -.0678522
                caribbean  |  -.1470961   .1066216    -1.38   0.168
-.3560729    .0618807
                  african  |  -.6519375   .1133385    -5.75   0.000
-.8740794   -.4297957
any other black background  |  -.0098595   .3296404    -0.03   0.976
-.65595     .636231
                    arab  |   .0118379    .271892     0.04   0.965
-.5210666    .5447424
    any other ethnic group  |   .2562159   .2254782     1.14   0.256
-.1857182    .6981499
                            |
                   age_dv |   .0334318   .0053147     6.29   0.000
.0230151    .0438486
                            |
         c.age_dv#c.age_dv |  -.0006197   .0000529   -11.72   0.000
-.0007233   -.0005161
                            |
                   sf1_dv |
          very good         |   .7146496   .0394067    18.14   0.000
.637413    .7918863
                  good      |   1.519964   .0412487    36.85   0.000
1.439118    1.600811
                  fair      |   3.106353   .0499895    62.14   0.000
3.008375    3.204332
                or Poor?    |   5.745771    .071335    80.55   0.000
5.605956    5.885587
                            |
              fihhmngrs_dv |  -.0000134   5.25e-06    -2.55   0.011
-.0000237   -3.10e-06
                 hhsize_dv |   .0211305   .0174106     1.21   0.225
-.0129941    .0552551
                ndepchl_dv |   .0455851   .0193907     2.35   0.019
.0075797    .0835906
                            |
                  jbhas_dv |
             self-employed  |   -.116282   .0466928    -2.49   0.013
-.2077993   -.0247648
              not employed  |   .2670205   .0347367     7.69   0.000
.198937     .335104
                            |
                intdaty_dv |
                     2011  |  -.0683409   .0551441    -1.24   0.215
-.1764226    .0397408
                     2012  |  -.1774802   .0559668    -3.17   0.002
-.2871743   -.0677861
                     2013  |   .0454853   .0567941     0.80   0.423
-.0658304     .156801
                     2014  |  -.1314315   .0575758    -2.28   0.022
-.2442792   -.0185838
```

```
                    2015  |  -.1862591   .0584292    -3.19   0.001
-.3007796   -.0717386
                    2016  |  -.0283598   .0590378    -0.48   0.631
-.144073    .0873534
                    2017  |   .0690058   .0606901     1.14   0.256
-.0499459    .1879575
                    2018  |   .0284027   .0731411     0.39   0.698
-.1149529    .1717583
                    2019  |   .0790262   .2026563     0.39   0.697
-.3181772    .4762297
                          |
                    l_ghq |   .4523575   .0026605   170.03   0.000
.447143    .4575719
                    _cons |   4.264807   .1466455    29.08   0.000
3.977384    4.552231
------------------------------------------------------------------------------
-------------

.
. xtreg scghq1_dv i.sex_dv c.age_dv##c.age_dv i.sf1_dv ///
> c.fihhmngrs_dv c.hhsize c.ndepchl i.jbhas_dv i.intdaty_dv, fe
note: 2.sex_dv omitted because of collinearity

Fixed-effects (within) regression               Number of obs     =    140,397
Group variable: pidp                            Number of groups  =     28,708

R-sq:                                           Obs per group:
     within  = 0.0430                                         min =          1
     between = 0.1848                                         avg =        4.9
     overall = 0.1387                                         max =          9

                                                F(21,111668)      =     239.15
corr(u_i, Xb)  = 0.1368                         Prob > F          =     0.0000

------------------------------------------------------------------------------
---
        scghq1_dv |      Coef.   Std. Err.      t    P>|t|     [95% Conf.
Interval]
------------------+-----------------------------------------------------------
---
           sex_dv |
          Female  |          0  (omitted)
           age_dv |   .1326178   .0451388     2.94   0.003     .0441464
.2210893
                  |
c.age_dv#c.age_dv |  -.0012145   .0001507    -8.06   0.000    -.0015098
-.0009192
                  |
           sf1_dv |
 very good        |   .5700728   .0407118    14.00   0.000     .4902782
.6498674
         good     |   1.347303   .0471295    28.59   0.000     1.254929
```

```
1.439676
         fair     |   2.861065   .0590847    48.42   0.000      2.74526
2.97687
        or Poor?  |   5.470023   .0881312    62.07   0.000     5.297287
5.642759
                  |
     fihhmngrs_dv |  -.0000237   7.49e-06    -3.17   0.002    -.0000384
-9.06e-06
        hhsize_dv |   .0539133   .0274028     1.97   0.049     .0002043
.1076223
       ndepchl_dv |   .0095408   .0328227     0.29   0.771    -.0547912
.0738728
                  |
         jbhas_dv |
   self-employed  |  -.2369699   .0754135    -3.14   0.002    -.3847792
-.0891606
    not employed  |   .4969029   .0481268    10.32   0.000      .402575
.5912308
                  |
       intdaty_dv |
            2010  |    .048412   .0639726     0.76   0.449    -.0769732
.1737973
            2011  |   .0760005   .0974353     0.78   0.435    -.1149713
.2669723
            2012  |  -.0875726   .1367528    -0.64   0.522     -.355606
.1804609
            2013  |   .0319907   .1770923     0.18   0.857    -.3151076
.379089
            2014  |  -.1019228   .2172973    -0.47   0.639    -.5278222
.3239767
            2015  |  -.2393938   .2592603    -0.92   0.356    -.7475401
.2687524
            2016  |  -.1609651   .3007111    -0.54   0.592    -.7503545
.4284242
            2017  |  -.0156897   .3425094    -0.05   0.963    -.6870031
.6556237
            2018  |   .0265491   .3844234     0.07   0.945    -.7269151
.7800133
            2019  |  -.0943357   .4416307    -0.21   0.831    -.9599253
.7712539
                  |
            _cons |   6.106689   1.991067     3.07   0.002     2.204227
10.00915
------------------+------------------------------------------------------------
---
          sigma_u |  4.1005573
          sigma_e |   3.671207
              rho |   .5550768   (fraction of variance due to u_i)
------------------------------------------------------------------------------
---
F test that all u_i=0: F(28707, 111668) = 4.33                 Prob > F = 0.0000
```

```
.
. xtreg scghq1_dv i.sex_dv c.age_dv##c.age_dv i.sf1_dv ///
> c.fihhmngrs_dv c.hhsize c.ndepchl i.jbhas_dv i.intdaty_dv, re

Random-effects GLS regression                   Number of obs     =    140,397
Group variable: pidp                            Number of groups  =     28,708

R-sq:                                           Obs per group:
     within  = 0.0428                                         min =          1
     between = 0.2450                                         avg =        4.9
     overall = 0.1826                                         max =          9

                                                Wald chi2(22)     =   14076.31
corr(u_i, X)   = 0 (assumed)                    Prob > chi2       =     0.0000

------------------------------------------------------------------------------
        scghq1_dv |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
------------------+------------------------------------------------------------
           sex_dv |
          Female  |   .8808932   .0453887    19.41   0.000     .7919329    .9698535
           age_dv |   .1052511   .0071471    14.73   0.000     .0912431    .1192591
                  |
c.age_dv#c.age_dv |   -.001447    .000072   -20.11   0.000     -.001588   -.0013059
                  |
           sf1_dv |
 very good        |   .8015604   .0370053    21.66   0.000     .7290314    .8740894
         good     |   1.818729   .0412243    44.12   0.000      1.73793    1.899527
         fair     |   3.743103    .050301    74.41   0.000     3.644515    3.841691
        or Poor?  |   7.047207   .0723398    97.42   0.000     6.905423     7.18899
                  |
     fihhmngrs_dv |  -.0000417   6.14e-06    -6.79   0.000    -.0000538   -.0000297
        hhsize_dv |   .0013236   .0196091     0.07   0.946    -.0371096    .0397567
       ndepchl_dv |   .0561188   .0231904     2.42   0.016     .0106664    .1015711
                  |
         jbhas_dv |
   self-employed  |  -.1330647   .0589377    -2.26   0.024    -.2485804   -.0175489
    not employed  |   .6122461   .0388571    15.76   0.000     .5360875    .6884047
```

```
                  |
       intdaty_dv |
            2010  |   .0890802   .0440227     2.02   0.043     .0027973
.1753632
            2011  |   .1607722   .0454169     3.54   0.000     .0717568
.2497876
            2012  |    .040792   .0469311     0.87   0.385    -.0511913
.1327753
            2013  |   .2009665   .0482538     4.16   0.000     .1063908
.2955423
            2014  |   .1199545   .0492741     2.43   0.015      .023379
.2165301
            2015  |   .0209482   .0503287     0.42   0.677    -.0776943
.1195907
            2016  |   .1202058   .0514659     2.34   0.020     .0193344
.2210772
            2017  |   .2911104   .0533498     5.46   0.000     .1865467
.3956741
            2018  |   .3727186   .0663026     5.62   0.000     .2427679
.5026692
            2019  |   .3370019   .1844615     1.83   0.068     -.024536
.6985398
                  |
            _cons |   7.203172    .184398    39.06   0.000     6.841759
7.564586
------------------+------------------------------------------------------------
---
          sigma_u |  3.1250203
          sigma_e |   3.671207
              rho |  .42014958   (fraction of variance due to u_i)
------------------------------------------------------------------------------
---

.
.
. // 3.3 Analysis using weights and accounting for sample design
.
. svyset psu [pweight = indscus_lw_9], strata(strata)

      pweight: indscus_lw_9
          VCE: linearized
  Single unit: missing
     Strata 1: strata
         SU 1: psu
        FPC 1: <zero>

.
. svy: mean scghq1_dv, over(wave)
(running mean on estimation sample)

Survey: Mean estimation
```

```
Number of strata =   1,497        Number of obs    =    118,591
Number of PSUs   =   3,397        Population size = 84,517.036
                                  Design df       =      1,900

            1: wave = 1
            2: wave = 2
            3: wave = 3
            4: wave = 4
            5: wave = 5
            6: wave = 6
            7: wave = 7
            8: wave = 8
            9: wave = 9

------------------------------------------------------------------
             |             Linearized
        Over |       Mean   Std. Err.     [95% Conf. Interval]
-------------+----------------------------------------------------
scghq1_dv    |
           1 |   10.93903          .             .           .
           2 |   11.01682          .             .           .
           3 |   10.89454          .             .           .
           4 |    10.9017          .             .           .
           5 |   11.12979          .             .           .
           6 |   10.79235          .             .           .
           7 |   10.85748          .             .           .
           8 |     11.146          .             .           .
           9 |   11.19545          .             .           .
------------------------------------------------------------------
Note: 179 strata omitted because they contain no subpopulation
      members.
Note: Missing standard errors because of stratum with single
      sampling unit.

. test
[scghq1_dv]1=[scghq1_dv]2=[scghq1_dv]3=[scghq1_dv]4=[scghq1_dv]5=[scghq1_dv]6=[s
cghq1_dv]7=[scghq1_dv]8=[scgh
> q1_dv]9

Adjusted Wald test

 ( 1)  [scghq1_dv]1 - [scghq1_dv]2 = 0
 ( 2)  [scghq1_dv]1 - [scghq1_dv]3 = 0
 ( 3)  [scghq1_dv]1 - [scghq1_dv]4 = 0
 ( 4)  [scghq1_dv]1 - [scghq1_dv]5 = 0
 ( 5)  [scghq1_dv]1 - [scghq1_dv]6 = 0
 ( 6)  [scghq1_dv]1 - [scghq1_dv]7 = 0
 ( 7)  [scghq1_dv]1 - [scghq1_dv]8 = 0
 ( 8)  [scghq1_dv]1 - [scghq1_dv]9 = 0
       Constraint 1 dropped
       Constraint 2 dropped
       Constraint 3 dropped
```

```
       Constraint 4 dropped
       Constraint 5 dropped
       Constraint 6 dropped
       Constraint 7 dropped
       Constraint 8 dropped

       F(  0,  1901) =       .
            Prob > F =         .

.
. svy: regress scghq1_dv i.sex_dv i.ethn_dv c.age_dv##c.age_dv ///
>              i.sf1_dv c.fihhmngrs_dv c.hhsize c.ndepchl i.jbhas_dv
i.intdaty_dv ///
>                          c.l_ghq
(running regress on estimation sample)

Survey: Linear regression

Number of strata   =     1,452                  Number of obs     =     94,073
Number of PSUs     =     3,206                  Population size   = 61,459.162
                                                 Design df         =      1,754
                                                 F(   0,   1754)   =          .
                                                 Prob > F          =          .
                                                 R-squared         =     0.3733

------------------------------------------------------------------------------
             |             Linearized
   scghq1_dv |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
      sex_dv |
      Female |   .5444054          .        .       .            .           .
             |
      ethn_dv |
       irish |   .1281819          .        .       .            .           .
any other white background |  -.1655246          .        .       .            .
white and black caribbean |   .1845731          .        .       .            .
white and black african |   .3487816          .        .       .            .
white and asian |   .5531422          .        .       .            .
any other mixed background |   .4034839          .        .       .            .
      indian |  -.1002461          .        .       .            .           .
    pakistani |   .1404499          .        .       .            .           .
```

```
.           .
              bangladeshi  |   1.102789          .        .       .
.           .
                   chinese  |  -.0763164          .        .       .
.           .
any other asian background  |    1.04519          .        .       .
.           .
                caribbean  |   .4321526          .        .       .
.           .
                   african  |   -.652358          .        .       .
.           .
any other black background  |   .2749493          .        .       .
.           .
                     arab  |  -.9016634          .        .       .
.           .
    any other ethnic group  |   .4624267          .        .       .
.           .
                            |
                   age_dv |   .0502362          .        .       .
.           .
                            |
          c.age_dv#c.age_dv |  -.0007842          .        .       .
.           .
                            |
                     sf1_dv |
           very good        |    .714494          .        .       .
.           .
                   good     |   1.429303          .        .       .
.           .
                   fair     |   3.036538          .        .       .
.           .
                 or Poor?   |   5.688013          .        .       .
.           .
                            |
              fihhmngrs_dv |  -.0000198          .        .       .
.           .
                 hhsize_dv |    .030068          .        .       .
.           .
               ndepchl_dv |   .0583527          .        .       .
.           .
                            |
                    jbhas_dv |
            self-employed  |  -.1181986          .        .       .
.           .
              not employed  |   .3413597          .        .       .
.           .
                            |
                intdaty_dv |
                     2011  |   .0288261          .        .       .
.           .
                     2012  |  -.0810051          .        .       .
.           .
```

```
                    2013  |   .0960402          .        .       .
.           .
                    2014  |  -.0397143          .        .       .
.           .
                    2015  |  -.0765071          .        .       .
.           .
                    2016  |   .0613934          .        .       .
.           .
                    2017  |   .0665011          .        .       .
.           .
                    2018  |   .2407301          .        .       .
.           .
                    2019  |   .1806512          .        .       .
.           .
                          |
                    l_ghq |   .4659229          .        .       .
.           .
                    _cons |   3.600418          .        .       .
.           .
------------------------------------------------------------------------------
-------------
Note: 213 strata omitted because they contain no population members.
Note: Missing standard errors because of stratum with single sampling unit.

.
.
. svyset psu [pweight = indscus_lw_9], strata(strata) singleunit(scaled)

      pweight: indscus_lw_9
          VCE: linearized
  Single unit: scaled
     Strata 1: strata
         SU 1: psu
        FPC 1: <zero>

.
. svy: mean scghq1_dv, over(wave)
(running mean on estimation sample)

Survey: Mean estimation

Number of strata =   1,497        Number of obs   =    118,591
Number of PSUs   =   3,397        Population size = 84,517.036
                                  Design df       =      1,900

            1: wave = 1
            2: wave = 2
            3: wave = 3
            4: wave = 4
            5: wave = 5
            6: wave = 6
            7: wave = 7
```

```
           8: wave = 8
           9: wave = 9

------------------------------------------------------------------
             |             Linearized
        Over |       Mean   Std. Err.     [95% Conf. Interval]
-------------+----------------------------------------------------
scghq1_dv    |
           1 |   10.93903   .0728087      10.79624    11.08183
           2 |   11.01682   .0827452      10.85454     11.1791
           3 |   10.89454   .0789274      10.73974    11.04933
           4 |    10.9017   .0835294      10.73788    11.06552
           5 |   11.12979   .0780706      10.97668     11.2829
           6 |   10.79235   .0733446      10.64851     10.9362
           7 |   10.85748   .0751923      10.71001    11.00495
           8 |     11.146   .0764348      10.99609     11.2959
           9 |   11.19545   .0770907      11.04426    11.34664
------------------------------------------------------------------
Note: 179 strata omitted because they contain no subpopulation
      members.
Note: Variance scaled to handle strata with a single sampling
      unit.

. test
[scghq1_dv]1=[scghq1_dv]2=[scghq1_dv]3=[scghq1_dv]4=[scghq1_dv]5=[scghq1_dv]6=[s
cghq1_dv]7=[scghq1_dv]8=[scgh
> q1_dv]9

Adjusted Wald test

 ( 1)  [scghq1_dv]1 - [scghq1_dv]2 = 0
 ( 2)  [scghq1_dv]1 - [scghq1_dv]3 = 0
 ( 3)  [scghq1_dv]1 - [scghq1_dv]4 = 0
 ( 4)  [scghq1_dv]1 - [scghq1_dv]5 = 0
 ( 5)  [scghq1_dv]1 - [scghq1_dv]6 = 0
 ( 6)  [scghq1_dv]1 - [scghq1_dv]7 = 0
 ( 7)  [scghq1_dv]1 - [scghq1_dv]8 = 0
 ( 8)  [scghq1_dv]1 - [scghq1_dv]9 = 0

       F(  8,  1893) =    8.29
            Prob > F =    0.0000


.
. svy: regress scghq1_dv i.sex_dv i.ethn_dv c.age_dv##c.age_dv ///
>              i.sf1_dv c.fihhmngrs_dv c.hhsize c.ndepchl i.jbhas_dv
i.intdaty_dv ///
>                          c.l_ghq
(running regress on estimation sample)

Survey: Linear regression

Number of strata   =     1,452                  Number of obs     =     94,073
```

```
Number of PSUs     =     3,206                  Population size   = 61,459.162
                                                Design df         =      1,754
                                                F(  38,   1717)   =     234.71
                                                Prob > F          =     0.0000
                                                R-squared         =     0.3733

------------------------------------------------------------------------------
             |             Linearized
      scghq1_dv |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
         sex_dv |
        Female  |   .5444054   .0578767     9.41   0.000     .4308908      .65792
                |
         ethn_dv |
          irish  |   .1281819   .2791778     0.46   0.646    -.4193744    .6757383
any other white background  |  -.1655246   .2356297    -0.70   0.482    -.6276693    .2966202
 white and black caribbean  |   .1845731    .410157     0.45   0.653     -.619875    .9890211
   white and black african  |   .3487816   1.043964     0.33   0.738    -1.698764    2.396327
           white and asian  |   .5531422   .3981517     1.39   0.165    -.2277597    1.334044
any other mixed background  |   .4034839   .3409898     1.18   0.237    -.2653053    1.072273
                  indian  |  -.1002461   .1545628    -0.65   0.517    -.4033929    .2029007
                pakistani  |   .1404499    .412657     0.34   0.734    -.6689015    .9498013
              bangladeshi  |   1.102789   1.321134     0.83   0.404    -1.488373    3.693952
                  chinese  |  -.0763164   .2682769    -0.28   0.776    -.6024926    .4498598
any other asian background  |    1.04519   .7976612     1.31   0.190    -.5192764    2.609657
                caribbean  |   .4321526   .3637424     1.19   0.235    -.2812617    1.145567
                  african  |   -.652358    .277864    -2.35   0.019    -1.197337   -.1073786
any other black background  |   .2749493   .6777203     0.41   0.685    -1.054275    1.604174
                    arab  |  -.9016634   .3290766    -2.74   0.006    -1.547087   -.2562398
    any other ethnic group  |   .4624267   .4362299     1.06   0.289    -.3931585    1.318012
                |
                  age_dv |   .0502362   .0127853     3.93   0.000
```

```
.0251601    .0753123
                              |
          c.age_dv#c.age_dv |  -.0007842    .000127    -6.17   0.000
-.0010333   -.0005351
                              |
                    sf1_dv |
           very good         |    .714494   .0623286    11.46   0.000
.5922479    .8367402
                  good       |   1.429303   .0709051    20.16   0.000
1.290236    1.568371
                  fair       |   3.036538   .1118483    27.15   0.000
2.817168    3.255908
                or Poor?     |   5.688013   .2179057    26.10   0.000
5.26063     6.115395
                              |
                fihhmngrs_dv |  -.0000198   8.66e-06    -2.29   0.022
-.0000368   -2.85e-06
                     hhsize_dv |    .030068   .0433775     0.69   0.488
-.0550091     .115145
                   ndepchl_dv |   .0583527   .0467701     1.25   0.212
-.0333784    .1500838
                              |
                    jbhas_dv |
            self-employed    |  -.1181986   .0720918    -1.64   0.101
-.2595935    .0231963
             not employed    |   .3413597   .0821805     4.15   0.000
.1801777    .5025417
                              |
                  intdaty_dv |
                       2011   |   .0288261   .1181418     0.24   0.807
-.2028875    .2605396
                       2012   |  -.0810051   .1089716    -0.74   0.457
-.2947331    .1327228
                       2013   |   .0960402   .1096062     0.88   0.381
-.1189324    .3110128
                       2014   |  -.0397143   .1121108    -0.35   0.723
-.2595992    .1801706
                       2015   |  -.0765071   .1048907    -0.73   0.466
-.2822311     .129217
                       2016   |   .0613934   .1124531     0.55   0.585
-.1591628    .2819497
                       2017   |   .0665011   .1145882     0.58   0.562
-.1582428     .291245
                       2018   |   .2407301   .1409121     1.71   0.088
-.0356432    .5171035
                       2019   |   .1806512   .2737559     0.66   0.509
-.356271    .7175735
                              |
                       l_ghq |   .4659229   .0088922    52.40   0.000
.4484825    .4833634
                      _cons |   3.600418   .3278019    10.98   0.000
2.957494    4.243341
```

```
------------------------------------------------------------------------------
-------------
Note: 213 strata omitted because they contain no population members.
Note: Variance scaled to handle strata with a single sampling unit.

.
.
. xtset pidp wave
       panel variable:  pidp (unbalanced)
        time variable:  wave, 1 to 9
                delta:  1 unit

. xtreg scghq1_dv c.age_dv##c.age_dv i.sf1_dv c.fihhmngrs_dv ///
>                 c.hhsize c.ndepchl i.jbhas_dv i.intdaty_dv ///
>                                  [pw = indscus_lw_9], fe vce(cluster psu)

Fixed-effects (within) regression               Number of obs      =     69817
Group variable: pidp                            Number of groups   =      8340

R-sq:  within  = 0.0433                         Obs per group: min =         1
       between = 0.2417                                        avg =       8.4
       overall = 0.1442                                        max =         9

                                                F(21,2602)         =     38.57
corr(u_i, Xb)  = 0.1798                         Prob > F           =    0.0000

                                    (Std. Err. adjusted for 2,603 clusters in
psu)
------------------------------------------------------------------------------
---
                    |               Robust
         scghq1_dv |      Coef.   Std. Err.      t    P>|t|     [95% Conf.
Interval]
--------------------+---------------------------------------------------------
---
            age_dv |   .1963956   .0956439     2.05   0.040     .0088499
.3839414
                    |
c.age_dv#c.age_dv |  -.0019866   .0003345    -5.94   0.000    -.0026426
-.0013307
                    |
            sf1_dv |
 very good          |   .6422123   .0705809     9.10   0.000     .5038118
.7806128
          good      |   1.360426    .089302    15.23   0.000     1.185315
1.535536
          fair      |   2.873456    .128177    22.42   0.000     2.622117
3.124795
        or Poor?    |   5.594869   .2395114    23.36   0.000     5.125216
6.064521
                    |
      fihhmngrs_dv |  -.0000347   .0000136    -2.55   0.011    -.0000614
```

```
-8.04e-06
        hhsize_dv |  -.0149699   .0606703    -0.25   0.805    -.1339369
.1039971
       ndepchl_dv |  -.0156088   .0776216    -0.20   0.841    -.1678151
.1365975
                  |
         jbhas_dv |
   self-employed  |  -.3387938   .1646381    -2.06   0.040    -.6616287
-.0159589
    not employed  |   .4662211   .1096598     4.25   0.000     .2511918
.6812503
                  |
       intdaty_dv |
            2010  |   .0363872   .1289435     0.28   0.778    -.2164549
.2892294
            2011  |   .0792382   .1977289     0.40   0.689    -.3084835
.46696
            2012  |  -.0151166   .2826678    -0.05   0.957    -.5693932
.5391599
            2013  |   .0879154   .3677848     0.24   0.811    -.6332651
.8090958
            2014  |  -.0165046   .4541675    -0.04   0.971    -.9070708
.8740617
            2015  |  -.1319696   .5403173    -0.24   0.807    -1.191465
.9275256
            2016  |  -.0530009   .6246478    -0.08   0.932    -1.277858
1.171856
            2017  |   .0173862   .7078483     0.02   0.980    -1.370617
1.405389
            2018  |   .2995429   .7997774     0.37   0.708    -1.268721
1.867807
            2019  |   .0461219   .8545282     0.05   0.957    -1.629502
1.721746
                  |
            _cons |    5.31081    3.90545     1.36   0.174    -2.347293
12.96891
------------------+------------------------------------------------------------
---
          sigma_u |  3.4163669
          sigma_e |  3.7357749
              rho |  .45542982   (fraction of variance due to u_i)
------------------------------------------------------------------------------
---

.
. foreach i in 1 4 9 10 11 14 15 {
  2.         xtreg scghq1_dv c.age_dv##c.age_dv i.sf1_dv c.fihhmngrs_dv ///
>         c.hhsize c.ndepchl i.jbhas_dv i.intdaty_dv ///
>         if sex_dv==2 & ethn_dv==`i' ///
>         [pw = indscus_lw_9], fe vce(cluster psu)
  3. }
```

```
Fixed-effects (within) regression               Number of obs      =     35903
Group variable: pidp                            Number of groups   =      4294

R-sq:  within  = 0.0454                         Obs per group: min =         1
       between = 0.2306                                        avg =       8.4
       overall = 0.1331                                        max =         9

                                                F(21,1981)         =     25.25
corr(u_i, Xb)  = 0.1358                         Prob > F           =    0.0000

                                    (Std. Err. adjusted for 1,982 clusters in
psu)
------------------------------------------------------------------------------
                   |               Robust
        scghq1_dv |      Coef.   Std. Err.      t    P>|t|     [95% Conf.
Interval]
------------------+-----------------------------------------------------------
---
           age_dv |   .1766288   .1336392     1.32   0.186    -.0854593
.4387168
                  |
c.age_dv#c.age_dv |  -.0017238   .0004559    -3.78   0.000    -.0026178
-.0008297
                  |
           sf1_dv |
 very good        |   .6530471   .0866203     7.54   0.000     .4831706
.8229237
         good     |   1.521481   .1160762    13.11   0.000     1.293837
1.749126
         fair     |   3.318238   .1768199    18.77   0.000     2.971466
3.665011
        or Poor?  |   5.712117   .3213084    17.78   0.000     5.081979
6.342255
                  |
     fihhmngrs_dv |  -.0000484    .000019    -2.55   0.011    -.0000856
-.0000112
        hhsize_dv |  -.0032216   .0800745    -0.04   0.968    -.1602606
.1538175
       ndepchl_dv |   -.094214   .1126952    -0.84   0.403    -.3152276
.1267996
                  |
         jbhas_dv |
   self-employed  |   .0102201   .2386496     0.04   0.966    -.4578104
.4782507
    not employed  |   .4024207    .146558     2.75   0.006     .1149967
.6898448
                  |
       intdaty_dv |
            2010  |    .056514   .1754558     0.32   0.747    -.2875833
.4006112
            2011  |   .0951624   .2794145     0.34   0.733    -.4528147
```

```
.6431395
            2012  |   .0894136   .3923151     0.23   0.820    -.6799799
.8588071
            2013  |   .2868012   .5168689     0.55   0.579    -.7268625
1.300465
            2014  |   .0704445   .6315962     0.11   0.911    -1.168218
1.309107
            2015  |  -.1019668   .7458408    -0.14   0.891    -1.564681
1.360748
            2016  |  -.0016141   .8663972    -0.00   0.999     -1.70076
1.697531
            2017  |    .030544   .9810589     0.03   0.975    -1.893472
1.95456
            2018  |   .2281253   1.098636     0.21   0.836    -1.926479
2.38273
            2019  |  -.1435707    1.18233    -0.12   0.903    -2.462312
2.17517
                  |
            _cons |   5.959729   5.449793     1.09   0.274    -4.728199
16.64766
------------------+------------------------------------------------------------
---
          sigma_u |   3.465452
          sigma_e |  3.9261335
              rho |  .43791603   (fraction of variance due to u_i)
------------------------------------------------------------------------------
---

Fixed-effects (within) regression               Number of obs      =      1095
Group variable: pidp                            Number of groups   =       126

R-sq:  within  = 0.0504                         Obs per group: min =         2
       between = 0.0027                                        avg =       8.7
       overall = 0.0046                                        max =         9

                                                F(21,119)          =      3.59
corr(u_i, Xb)  = -0.4716                        Prob > F           =    0.0000

                                      (Std. Err. adjusted for 120 clusters in
psu)
------------------------------------------------------------------------------
---
                  |               Robust
        scghq1_dv |      Coef.   Std. Err.      t    P>|t|     [95% Conf.
Interval]
------------------+------------------------------------------------------------
---
           age_dv |  -.3279491   .5298758    -0.62   0.537    -1.377156
.721258
                  |
c.age_dv#c.age_dv |    .001977   .0028327     0.70   0.487     -.003632
.007586
```

```
                  |
           sf1_dv |
 very good        |   .4131534   .5981754     0.69   0.491    -.7712937
1.5976
         good     |   .7675199   .6177417     1.24   0.217    -.4556703
1.99071
         fair     |   1.447014   1.285114     1.13   0.262     -1.09764
3.991669
        or Poor?  |   1.732989   1.758269     0.99   0.326    -1.748559
5.214538
                  |
     fihhmngrs_dv |  -.0002178   .0000837    -2.60   0.010    -.0003835
-.000052
        hhsize_dv |   .6457196   .4823243     1.34   0.183    -.3093307
1.60077
       ndepchl_dv |  -.0987537   .4982532    -0.20   0.843    -1.085345
.8878374
                  |
          jbhas_dv |
   self-employed  |   -1.31085   .9903767    -1.32   0.188    -3.271894
.6501952
    not employed  |  -.4640027   .5267353    -0.88   0.380    -1.506991
.5789858
                  |
       intdaty_dv |
            2010  |   1.447748   .8911061     1.62   0.107    -.3167311
3.212227
            2011  |   .8616575   1.195676     0.72   0.473    -1.505901
3.229216
            2012  |   1.557033   1.698751     0.92   0.361    -1.806664
4.92073
            2013  |    .890322    2.20822     0.40   0.688    -3.482175
5.262819
            2014  |   1.630178   2.623592     0.62   0.536    -3.564795
6.825152
            2015  |   .3077298   3.075502     0.10   0.920    -5.782072
6.397532
            2016  |   1.554323   3.648627     0.43   0.671    -5.670324
8.778969
            2017  |   1.771986   4.069502     0.44   0.664    -6.286036
9.830007
            2018  |   2.826188   4.643651     0.61   0.544    -6.368704
12.02108
            2019  |   1.695143   4.420564     0.38   0.702    -7.058015
10.4483
                  |
            _cons |   18.09611   18.89176     0.96   0.340    -19.31145
55.50367
------------------+------------------------------------------------------------
---
          sigma_u |  3.9499047
          sigma_e |   3.609796
```

```
             rho |   .54489883   (fraction of variance due to u_i)
------------------------------------------------------------------------------
---

Fixed-effects (within) regression               Number of obs      =       696
Group variable: pidp                            Number of groups   =        83

R-sq:  within  = 0.2001                         Obs per group: min =         2
       between = 0.0390                                        avg =       8.4
       overall = 0.0501                                        max =         9

                                                F(21,75)           =     16.01
corr(u_i, Xb)  = -0.7631                        Prob > F           =    0.0000

                                         (Std. Err. adjusted for 76 clusters in
psu)
------------------------------------------------------------------------------
---
                 |               Robust
        scghq1_dv |      Coef.   Std. Err.      t    P>|t|     [95% Conf.
Interval]
-----------------+------------------------------------------------------------
---
           age_dv |   .9772363    .728755     1.34   0.184    -.4745182
2.428991
                  |
c.age_dv#c.age_dv |  -.0047241   .0040839    -1.16   0.251    -.0128596
.0034115
                  |
           sf1_dv |
 very good        |   1.809751   .7712749     2.35   0.022     .2732928
3.34621
         good     |    3.46536   1.070739     3.24   0.002     1.332339
5.598382
         fair     |   4.647697   1.162114     4.00   0.000     2.332647
6.962747
        or Poor?  |   11.31317   1.145294     9.88   0.000     9.031628
13.59471
                  |
     fihhmngrs_dv |   .0003446   .0001125     3.06   0.003     .0001204
.0005688
        hhsize_dv |  -.7207395   .3673128    -1.96   0.053    -1.452464
.0109851
       ndepchl_dv |  -.9262858   .5529947    -1.68   0.098    -2.027908
.175336
                  |
          jbhas_dv |
   self-employed  |   .8482161   .9351248     0.91   0.367    -1.014648
2.71108
    not employed  |   .2671719   .9113381     0.29   0.770    -1.548307
2.08265
                  |
```

```
       intdaty_dv |
            2010  |  -1.606267    1.02427    -1.57   0.121    -3.646717
.4341834
            2011  |  -.9404863   1.537343    -0.61   0.543    -4.003031
2.122058
            2012  |  -1.917418   2.051352    -0.93   0.353    -6.003921
2.169085
            2013  |  -3.720171   2.583717    -1.44   0.154    -8.867199
1.426857
            2014  |  -3.373158   3.270558    -1.03   0.306    -9.888443
3.142127
            2015  |  -3.657269   3.969419    -0.92   0.360    -11.56476
4.250219
            2016  |  -4.826781   4.558691    -1.06   0.293    -13.90816
4.254598
            2017  |  -5.551648   5.084187    -1.09   0.278    -15.67987
4.576572
            2018  |  -4.505423   5.706286    -0.79   0.432    -15.87293
6.862082
            2019  |  -7.949778   5.911803    -1.34   0.183    -19.72669
3.827138
                  |
            _cons |  -15.74147   22.86866    -0.69   0.493    -61.29819
29.81524
------------------+------------------------------------------------------------
---
          sigma_u |  7.6893244
          sigma_e |  4.1311254
              rho |  .77601037   (fraction of variance due to u_i)
------------------------------------------------------------------------------
---

Fixed-effects (within) regression               Number of obs      =       395
Group variable: pidp                            Number of groups   =        45

R-sq:  within  = 0.1035                         Obs per group: min =         7
       between = 0.0012                                        avg =       8.8
       overall = 0.0044                                        max =         9

                                                F(19,43)           =         .
corr(u_i, Xb)  = -0.7849                        Prob > F           =         .

                                          (Std. Err. adjusted for 44 clusters in
psu)
------------------------------------------------------------------------------
---
                  |               Robust
        scghq1_dv |      Coef.   Std. Err.      t    P>|t|     [95% Conf.
Interval]
------------------+------------------------------------------------------------
---
           age_dv |  -2.285357   1.714646    -1.33   0.190     -5.74327
```

```
1.172556
                    |
c.age_dv#c.age_dv |    .017321   .0134684     1.29   0.205    -.0098405
.0444826
                    |
           sf1_dv |
 very good         |   .1040984   1.682019     0.06   0.951    -3.288016
3.496213
         good      |  -1.772591    1.81592    -0.98   0.334    -5.434742
1.889561
         fair      |   .9629341   2.296877     0.42   0.677     -3.66916
5.595028
        or Poor?   |   3.482143   2.237465     1.56   0.127    -1.030136
7.994422
                    |
     fihhmngrs_dv |   -.000308   .0001599    -1.93   0.061    -.0006304
.0000144
        hhsize_dv |  -.3559281   .6372624    -0.56   0.579     -1.64109
.9292341
       ndepchl_dv |   1.261551   .8102454     1.56   0.127    -.3724651
2.895566
                    |
         jbhas_dv |
   self-employed   |  -.3523282   1.643163    -0.21   0.831    -3.666083
2.961427
    not employed   |   .3133924   .7307475     0.43   0.670      -1.1603
1.787085
                    |
       intdaty_dv |
            2010   |   .8347155   2.250092     0.37   0.712    -3.703028
5.372459
            2011   |   3.046138   3.090216     0.99   0.330    -3.185877
9.278152
            2012   |   2.867303   5.000351     0.57   0.569    -7.216866
12.95147
            2013   |   6.099309   6.064371     1.01   0.320     -6.13066
18.32928
            2014   |   7.294678   8.230401     0.89   0.380    -9.303508
23.89286
            2015   |   7.630695   9.288991     0.82   0.416    -11.10234
26.36373
            2016   |   7.100007   9.354176     0.76   0.452    -11.76449
25.9645
            2017   |   8.919176   10.74393     0.83   0.411    -12.74803
30.58638
            2018   |   9.904744   12.05676     0.82   0.416    -14.41004
34.21953
            2019   |   14.27197   12.64864     1.13   0.265    -11.23644
39.78038
                    |
            _cons   |   66.96624   48.40075     1.38   0.174    -30.64317
164.5756
```

```
-----------------+------------------------------------------------------------
---
         sigma_u |  9.4551529
         sigma_e |   5.552119
             rho |  .74359922   (fraction of variance due to u_i)
------------------------------------------------------------------------------
---

Fixed-effects (within) regression               Number of obs      =       178
Group variable: pidp                            Number of groups   =        22

R-sq:  within  = 0.3404                         Obs per group: min =         3
       between = 0.0123                                        avg =       8.1
       overall = 0.0063                                        max =         9

                                                F(19,20)           =         .
corr(u_i, Xb)  = -0.9839                        Prob > F           =         .

                                          (Std. Err. adjusted for 21 clusters in
psu)
------------------------------------------------------------------------------
---
                 |               Robust
        scghq1_dv |      Coef.   Std. Err.      t    P>|t|     [95% Conf.
Interval]
-----------------+------------------------------------------------------------
---
           age_dv |   2.765161   1.202742     2.30   0.032     .2562845
5.274038
                 |
c.age_dv#c.age_dv |    .005495   .0117647     0.47   0.645    -.0190458
.0300358
                 |
           sf1_dv |
 very good       |   .7185939   1.051456     0.68   0.502    -1.474705
2.911892
         good    |  -.9647846   .9819689    -0.98   0.338    -3.013136
1.083567
         fair    |  -.0235856   2.259195    -0.01   0.992    -4.736184
4.689013
        or Poor? |  -2.696289   2.690125    -1.00   0.328    -8.307792
2.915215
                 |
     fihhmngrs_dv |   .0003551   .0002059     1.72   0.100    -.0000743
.0007846
        hhsize_dv |  -.6986547   .3200008    -2.18   0.041    -1.366165
-.0311448
       ndepchl_dv |   .5770302   .6682386     0.86   0.398     -.816891
1.970952
                 |
          jbhas_dv |
   self-employed  |  -1.766019   1.039619    -1.70   0.105    -3.934625
```

```
.4025877
    not employed  |   3.854691   1.379019     2.80   0.011     .9781082
6.731274
                  |
       intdaty_dv |
            2010  |   3.615243   4.251049     0.85   0.405     -5.25229
12.48278
            2011  |   -.196406   3.084796    -0.06   0.950    -6.631177
6.238365
            2012  |  -3.690034   4.205958    -0.88   0.391    -12.46351
5.083441
            2013  |  -7.371439   4.592005    -1.61   0.124    -16.95019
2.207316
            2014  |  -10.43528   5.570271    -1.87   0.076    -22.05466
1.1841
            2015  |  -10.99354   7.695434    -1.43   0.169    -27.04594
5.058853
            2016  |  -15.21466   8.666573    -1.76   0.094    -33.29281
2.863496
            2017  |  -21.61828   8.365155    -2.58   0.018    -39.06768
-4.168869
            2018  |  -24.62063   9.625926    -2.56   0.019    -44.69996
-4.541297
                  |
            _cons |  -67.86545     28.934    -2.35   0.029    -128.2207
-7.510192
------------------+------------------------------------------------------------
---
          sigma_u |  33.308765
          sigma_e |  4.1972371
              rho |  .98436967   (fraction of variance due to u_i)
------------------------------------------------------------------------------
---

Fixed-effects (within) regression               Number of obs      =       535
Group variable: pidp                            Number of groups   =        67

R-sq:  within  = 0.1114                         Obs per group: min =         1
       between = 0.1266                                        avg =       8.0
       overall = 0.0676                                        max =         9

                                                F(21,62)           =      5.11
corr(u_i, Xb)  = -0.9437                        Prob > F           =    0.0000

                                         (Std. Err. adjusted for 63 clusters in
psu)
------------------------------------------------------------------------------
---
                  |               Robust
        scghq1_dv |      Coef.   Std. Err.      t    P>|t|     [95% Conf.
Interval]
------------------+------------------------------------------------------------
```

```
---
           age_dv |  -1.401937   1.114841    -1.26   0.213    -3.630473
.8265992
                  |
c.age_dv#c.age_dv |  -.0005975   .0041638    -0.14   0.886    -.0089207
.0077258
                  |
           sf1_dv |
 very good        |   .0015443   .9523497     0.00   0.999    -1.902176
1.905264
         good     |   1.397932   .9875244     1.42   0.162    -.5761015
3.371965
         fair     |   1.525613   1.359044     1.12   0.266    -1.191077
4.242304
        or Poor?  |    5.01625   1.440036     3.48   0.001     2.137659
7.894842
                  |
     fihhmngrs_dv |  -.0002638    .000198    -1.33   0.188    -.0006595
.000132
        hhsize_dv |    .902417   .9818547     0.92   0.362    -1.060283
2.865117
       ndepchl_dv |  -.8737556   .9878888    -0.88   0.380    -2.848517
1.101006
                  |
         jbhas_dv |
   self-employed  |   4.889867   1.947422     2.51   0.015     .9970265
8.782707
    not employed  |   1.973003   1.341754     1.47   0.146    -.7091259
4.655132
                  |
       intdaty_dv |
            2010  |    1.52354   1.424957     1.07   0.289    -1.324909
4.371989
            2011  |   1.381244   2.332494     0.59   0.556    -3.281345
6.043833
            2012  |   3.526392   3.668832     0.96   0.340    -3.807498
10.86028
            2013  |    4.77876   4.755303     1.00   0.319    -4.726955
14.28447
            2014  |   6.286456   5.970781     1.05   0.296    -5.648966
18.22188
            2015  |   9.078292   7.098088     1.28   0.206    -5.110583
23.26717
            2016  |   8.749075   7.849198     1.11   0.269    -6.941248
24.4394
            2017  |   10.42651   9.218296     1.13   0.262    -8.000597
28.85363
            2018  |   13.47505   10.44006     1.29   0.202    -7.394339
34.34445
            2019  |   15.51556   11.19046     1.39   0.171    -6.853846
37.88497
                  |
```

```
           _cons |    65.8208   42.82817     1.54   0.129     -19.7915
151.4331
------------------+------------------------------------------------------------
---
         sigma_u |  15.067508
         sigma_e |  4.3756638
             rho |  .92222468   (fraction of variance due to u_i)
------------------------------------------------------------------------------
---

Fixed-effects (within) regression               Number of obs      =       333
Group variable: pidp                            Number of groups   =        40

R-sq:  within  = 0.1009                         Obs per group: min =         1
       between = 0.0470                                        avg =       8.3
       overall = 0.0134                                        max =         9

                                                F(20,39)           =         .
corr(u_i, Xb)  = -0.9159                        Prob > F           =         .

                                      (Std. Err. adjusted for 40 clusters in
psu)
------------------------------------------------------------------------------
---
                  |               Robust
       scghq1_dv |      Coef.   Std. Err.      t    P>|t|     [95% Conf.
Interval]
------------------+------------------------------------------------------------
---
          age_dv |  -.2130155   .9232427    -0.23   0.819     -2.08045
1.654419
                 |
c.age_dv#c.age_dv |  -.0109956   .0071655    -1.53   0.133    -.0254892
.0034981
                 |
          sf1_dv |
 very good       |   1.209397   1.293265     0.94   0.355    -1.406478
3.825273
        good     |   1.391315   1.131855     1.23   0.226     -.898078
3.680708
         fair    |   1.315534   1.790955     0.73   0.467    -2.307013
4.938082
       or Poor?  |   7.006195   1.528715     4.58   0.000     3.914077
10.09831
                 |
     fihhmngrs_dv |  -.0001812   .0002206    -0.82   0.416    -.0006274
.000265
        hhsize_dv |   .3795235   .4867682     0.78   0.440     -.605058
1.364105
       ndepchl_dv |  -1.893489   .8692066    -2.18   0.035    -3.651626
-.1353531
                 |
```

```
         jbhas_dv |
   self-employed  |   .1228095   1.389268     0.09   0.930     -2.68725
2.932869
    not employed  |  -1.647145   1.023459    -1.61   0.116    -3.717285
.4229955
                  |
       intdaty_dv |
            2010  |  -1.206878   3.044865    -0.40   0.694    -7.365698
4.951943
            2011  |   .0285192   2.496878     0.01   0.991    -5.021892
5.078931
            2012  |   2.624169   2.682433     0.98   0.334    -2.801563
8.049902
            2013  |   1.770837    2.88888     0.61   0.543    -4.072474
7.614148
            2014  |   3.987102   3.563487     1.12   0.270    -3.220731
11.19494
            2015  |   4.449398   3.774252     1.18   0.246    -3.184747
12.08354
            2016  |   5.591217   4.390732     1.27   0.210    -3.289877
14.47231
            2017  |   6.140125   4.576931     1.34   0.188    -3.117592
15.39784
            2018  |   8.139436   5.165286     1.58   0.123    -2.308341
18.58721
            2019  |   10.23785   5.173781     1.98   0.055    -.2271108
20.70281
                  |
            _cons |    34.1728   26.19652     1.30   0.200    -18.81467
87.16027
------------------+------------------------------------------------------------
---
          sigma_u |  11.525747
          sigma_e |  4.2451301
              rho |  .88054717   (fraction of variance due to u_i)
------------------------------------------------------------------------------
---

.
.
. log close
      name:  <unnamed>
       log:  D:\Home\anandi\UKHLS\Outreach\Training & Presentations\2020 UKHLS
Teaching Datasets\Final\longitudinalT
> D_analysis.log
  log type:  text
 closed on:   5 Nov 2020, 14:49:22
------------------------------------------------------------------------------
-----------------------------------
```