Notebook 0: Getting used to UKHLS data

Jon Minton

Table of contents

## 1 Aim

The aims of this notebook are:

* to explore how to load data from the ukhls
* To identify those variables of particular interest to the economic activity project
* To produce a condensed longitudinal version of the ukhls having only those variables of interest
* To see if I can produce the transition probabilities showing changes between different economic categories

Once code has reached a sufficient level of complexity, I will attempt to convert them into functions within the utils folder, and set up associated tests in the tests directory.

## 2 Variables we need

* from individual surveys:
  + Outcomes/state
    - demographics\_w12.jbstat : current economic activity
  + Demographic determinants
    - pid: Person identifier (for linking between waves)
    - demographics\_w12.psex: sex
    - demographics\_w12.pdvage: age
    - ethnicityandnationalidentity\_12.racel: ‘race’/ethnicity
    - gridvariables\_w12.pmarstat: marital status
    - gridvariables\_w12.nkids05: number of children
    - gridvaribles\_w12.nunder16abs: number of kids aged 0-15 with one and only one parent in HH
  + Caring responsibilities
    - caringw12.aidxhh : Non residents cared for: do you provide regular service or help for any sick, disabled or elderly person not living with you?
    - caringw12.aidhrs: hours per week spent caring.
  + Education and training:
    - nisced11\_dv : highest education achieved
    - feend : Further education leaving age
    - fenow : Still in further education
    - Possibly something further on training
  + Health
    - scaghq\_w12: self completion ghq module
    - scasf12\_w12: self completion physical and mental health
* from household surveys:
  + Nothing yet
* Geographic indicators
  + Want local authority and travel to work areas;
  + potentially urban-rural too;
  + Probably can’t do until special access versions used and permissions sought and accepted
* Deprivation
  + Possibly SIMD/IMD?

## 3 Starting off

* The data are in big\_data/UKDA-6614-stata/stata/stata13\_se/ukhls/
* Within this folder, individual files are structured as follows:
  + {W}\_{name}.dta
  + Where {W} indicates wave (starting at a)
* The files I think I need to target have indresp as the name portion of the file above.

[1] "a\_adopt.dta" "a\_callrec.dta" "a\_child.dta" "a\_cohab.dta"   
 [5] "a\_egoalt.dta" "a\_empstat.dta" "a\_hhresp.dta" "a\_hhsamp.dta"   
 [9] "a\_income.dta" "a\_indall.dta" "a\_indresp.dta" "a\_issue.dta"   
 [13] "a\_marriage.dta" "a\_natchild.dta" "a\_youth.dta" "b\_callrec.dta"   
 [17] "b\_child.dta" "b\_egoalt.dta" "b\_hhresp.dta" "b\_hhsamp.dta"   
 [21] "b\_income.dta" "b\_indall.dta" "b\_indresp.dta" "b\_indsamp.dta"   
 [25] "b\_issue.dta" "b\_newborn.dta" "b\_youth.dta" "c\_callrec.dta"   
 [29] "c\_child.dta" "c\_chmain.dta" "c\_egoalt.dta" "c\_hhresp.dta"   
 [33] "c\_hhsamp.dta" "c\_income.dta" "c\_indall.dta" "c\_indresp.dta"   
 [37] "c\_indsamp.dta" "c\_issue.dta" "c\_newborn.dta" "c\_parstyle.dta"  
 [41] "c\_youth.dta" "d\_callrec.dta" "d\_child.dta" "d\_egoalt.dta"   
 [45] "d\_hhresp.dta" "d\_hhsamp.dta" "d\_income.dta" "d\_indall.dta"   
 [49] "d\_indresp.dta" "d\_indsamp.dta" "d\_issue.dta" "d\_newborn.dta"   
 [53] "d\_parstyle.dta" "d\_youth.dta" "e\_callrec.dta" "e\_child.dta"   
 [57] "e\_chmain.dta" "e\_egoalt.dta" "e\_empstat.dta" "e\_hhresp.dta"   
 [61] "e\_hhsamp.dta" "e\_income.dta" "e\_indall.dta" "e\_indresp.dta"   
 [65] "e\_indsamp.dta" "e\_issue.dta" "e\_newborn.dta" "e\_parstyle.dta"  
 [69] "e\_youth.dta" "f\_adopt.dta" "f\_callrec.dta" "f\_child.dta"   
 [73] "f\_cohab.dta" "f\_egoalt.dta" "f\_hhresp.dta" "f\_hhsamp.dta"   
 [77] "f\_income.dta" "f\_indall.dta" "f\_indresp.dta" "f\_indsamp.dta"   
 [81] "f\_marriage.dta" "f\_natchild.dta" "f\_newborn.dta" "f\_parstyle.dta"  
 [85] "f\_youth.dta" "g\_callrec.dta" "g\_child.dta" "g\_chmain.dta"   
 [89] "g\_egoalt.dta" "g\_hhresp.dta" "g\_hhsamp.dta" "g\_income.dta"   
 [93] "g\_indall.dta" "g\_indresp.dta" "g\_indsamp.dta" "g\_newborn.dta"   
 [97] "g\_parstyle.dta" "g\_youth.dta" "h\_callrec.dta" "h\_child.dta"   
[101] "h\_egoalt.dta" "h\_hhresp.dta" "h\_hhsamp.dta" "h\_income.dta"   
[105] "h\_indall.dta" "h\_indresp.dta" "h\_indsamp.dta" "h\_newborn.dta"   
[109] "h\_parstyle.dta" "h\_youth.dta" "i\_callrec.dta" "i\_child.dta"   
[113] "i\_chmain.dta" "i\_egoalt.dta" "i\_hhresp.dta" "i\_hhsamp.dta"   
[117] "i\_income.dta" "i\_indall.dta" "i\_indresp.dta" "i\_indsamp.dta"   
[121] "i\_newborn.dta" "i\_parstyle.dta" "i\_youth.dta" "j\_callrec.dta"   
[125] "j\_child.dta" "j\_egoalt.dta" "j\_hhresp.dta" "j\_hhsamp.dta"   
[129] "j\_income.dta" "j\_indall.dta" "j\_indresp.dta" "j\_indsamp.dta"   
[133] "j\_newborn.dta" "j\_parstyle.dta" "j\_youth.dta" "k\_callrec.dta"   
[137] "k\_child.dta" "k\_chmain.dta" "k\_egoalt.dta" "k\_hhresp.dta"   
[141] "k\_hhsamp.dta" "k\_income.dta" "k\_indall.dta" "k\_indresp.dta"   
[145] "k\_indsamp.dta" "k\_newborn.dta" "k\_parstyle.dta" "k\_youth.dta"   
[149] "l\_callrec.dta" "l\_child.dta" "l\_egoalt.dta" "l\_hhresp.dta"   
[153] "l\_hhsamp.dta" "l\_income.dta" "l\_indall.dta" "l\_indresp.dta"   
[157] "l\_indsamp.dta" "l\_newborn.dta" "l\_parstyle.dta" "l\_youth.dta"   
[161] "xhhrel.dta" "xwavedat.dta" "xwaveid.dta"

This confirms we’re targetting the correct directory. Now to only return those files of the correct type…

Now let’s try to read in the first one

I want to remind myself how Haven reads in .dta files and keeps the label information

# A tibble: 8 × 8  
 pidp a\_hidp a\_pno a\_hhorig a\_memorig a\_psu a\_strata a\_sampst  
 <dbl> <dbl+lbl> <dbl+lbl> <dbl+lbl> <dbl+lbl> <dbl> <dbl+lb> <dbl+lb>  
1 68001367 68001363 1 1 [ukhls gb 20… 1 [ukhls… 2012 2006 1 [osm]   
2 68004087 68004083 1 1 [ukhls gb 20… 1 [ukhls… 2012 2006 1 [osm]   
3 68006127 68006123 1 1 [ukhls gb 20… 1 [ukhls… 2012 2006 1 [osm]   
4 68006135 68006123 3 1 [ukhls gb 20… 1 [ukhls… 2012 2006 1 [osm]   
5 68006807 68006803 1 1 [ukhls gb 20… 1 [ukhls… 2012 2006 1 [osm]   
6 68007487 68007483 1 1 [ukhls gb 20… 1 [ukhls… 2012 2006 1 [osm]   
7 68007491 68007483 2 1 [ukhls gb 20… 1 [ukhls… 2012 2006 1 [osm]   
8 68007495 68007483 3 1 [ukhls gb 20… 1 [ukhls… 2012 2006 1 [osm]

<labelled<double>[6]>: person number  
[1] 1 1 1 3 1 1  
  
Labels:  
 value label  
 -9 missing  
 -8 inapplicable  
 -7 proxy respondent  
 -2 refusal  
 -1 don't know

labs\_pulled  
 missing inapplicable proxy respondent refusal   
 0 0 0 0   
 don't know   
 0

both\_pulled  
 [-9] missing [-8] inapplicable [-7] proxy respondent   
 0 0 0   
 [-2] refusal [-1] don't know 1   
 0 0 29691   
 2 3 4   
 15921 3485 1292   
 5 6 7   
 397 122 47   
 8 9 10   
 22 12 3   
 11   
 2

We can build a function that automatically converts columns which are of time haven\_labelled into the above format.

This takes a while but seems to work. I think the function above should be the first I turn into a function in its own right.

a\_jbstat a\_jbseg\_dv   
 "Current economic activity" "Current job: Socio-economic Group"   
 a\_jlseg\_dv   
 "Last job: Socio-economic Group"

a\_sex   
 "sex"   
 a\_respromodeny1   
 "your sex"   
 a\_respromodeny4   
 "your sexual orientation"   
 a\_restraindeny1   
 "your sex"   
 a\_restraindeny4   
 "your sexual orientation"   
 a\_resunsafew1\_1\_1   
 "reason unsafe in place 1: sex"   
 a\_resunsafew1\_1\_4   
 "reason unsafe in place 1: sexual orientation"   
 a\_resunsafew1\_2\_1   
 "reason unsafe in place 2: sex"   
 a\_resunsafew1\_2\_4   
 "reason unsafe in place 2: sexual orientation"   
 a\_resunsafew1\_3\_1   
 "reason unsafe in place 3: sex"   
 a\_resunsafew1\_3\_4   
 "reason unsafe in place 3: sexual orientation"   
 a\_resunsafew1\_4\_1   
 "reason unsafe in place 4: sex"   
 a\_resunsafew1\_4\_4   
 "reason unsafe in place 4: sexual orientation"   
 a\_resunsafew1\_5\_1   
 "reason unsafe in place 5: sex"   
 a\_resunsafew1\_5\_4   
 "reason unsafe in place 5: sexual orientation"   
 a\_resunsafew1\_6\_1   
 "reason unsafe in place 6: sex"   
 a\_resunsafew1\_6\_4   
 "reason unsafe in place 6: sexual orientation"   
 a\_resunsafew1\_7\_1   
 "reason unsafe in place 7: sex"   
 a\_resunsafew1\_7\_4   
 "reason unsafe in place 7: sexual orientation"   
 a\_resunsafew1\_97\_1   
 "reason unsafe in place other: sex"   
 a\_resunsafew1\_97\_4   
 "reason unsafe in place other: sexual orientation"   
 a\_resavoidw1\_1\_1   
 "reason avoid in place 1: sex"   
 a\_resavoidw1\_1\_4   
 "reason avoid in place 1: sexual orientation"   
 a\_resavoidw1\_2\_1   
 "reason avoid in place 2: sex"   
 a\_resavoidw1\_2\_4   
 "reason avoid in place 2: sexual orientation"   
 a\_resavoidw1\_3\_1   
 "reason avoid in place 3: sex"   
 a\_resavoidw1\_3\_4   
 "reason avoid in place 3: sexual orientation"   
 a\_resavoidw1\_4\_1   
 "reason avoid in place 4: sex"   
 a\_resavoidw1\_4\_4   
 "reason avoid in place 4: sexual orientation"   
 a\_resavoidw1\_5\_1   
 "reason avoid in place 5: sex"   
 a\_resavoidw1\_5\_4   
 "reason avoid in place 5: sexual orientation"   
 a\_resavoidw1\_6\_1   
 "reason avoid in place 6: sex"   
 a\_resavoidw1\_6\_4   
 "reason avoid in place 6: sexual orientation"   
 a\_resavoidw1\_7\_1   
 "reason avoid in place 7: sex"   
 a\_resavoidw1\_7\_4   
 "reason avoid in place 7: sexual orientation"   
 a\_resavoidw1\_97\_1   
 "reason avoid in place other: sex"   
 a\_resavoidw1\_97\_4   
 "reason avoid in place other: sexual orientation"   
 a\_resinsultedw1\_1\_1   
 "reason insulted in place 1: sex"   
 a\_resinsultedw1\_1\_4   
 "reason insulted in place 1: sexual orientation"   
 a\_resinsultedw1\_2\_1   
 "reason insulted in place 2: sex"   
 a\_resinsultedw1\_2\_4   
 "reason insulted in place 2: sexual orientation"   
 a\_resinsultedw1\_3\_1   
 "reason insulted in place 3: sex"   
 a\_resinsultedw1\_3\_4   
 "reason insulted in place 3: sexual orientation"   
 a\_resinsultedw1\_4\_1   
 "reason insulted in place 4: sex"   
 a\_resinsultedw1\_4\_4   
 "reason insulted in place 4: sexual orientation"   
 a\_resinsultedw1\_5\_1   
 "reason insulted in place 5: sex"   
 a\_resinsultedw1\_5\_4   
 "reason insulted in place 5: sexual orientation"   
 a\_resinsultedw1\_6\_1   
 "reason insulted in place 6: sex"   
 a\_resinsultedw1\_6\_4   
 "reason insulted in place 6: sexual orientation"   
 a\_resinsultedw1\_7\_1   
 "reason insulted in place 7: sex"   
 a\_resinsultedw1\_7\_4   
 "reason insulted in place 7: sexual orientation"   
 a\_resinsultedw1\_97\_1   
 "reason insulted in place other: sex"   
 a\_resinsultedw1\_97\_4   
"reason insulted in place other: sexual orientation"   
 a\_resattackedw1\_1\_1   
 "reason attacked in place 1: sex"   
 a\_resattackedw1\_1\_4   
 "reason attacked in place 1: sexual orientation"   
 a\_resattackedw1\_2\_1   
 "reason attacked in place 2: sex"   
 a\_resattackedw1\_2\_4   
 "reason attacked in place 2: sexual orientation"   
 a\_resattackedw1\_3\_1   
 "reason attacked in place 3: sex"   
 a\_resattackedw1\_3\_4   
 "reason attacked in place 3: sexual orientation"   
 a\_resattackedw1\_4\_1   
 "reason attacked in place 4: sex"   
 a\_resattackedw1\_4\_4   
 "reason attacked in place 4: sexual orientation"   
 a\_resattackedw1\_5\_1   
 "reason attacked in place 5: sex"   
 a\_resattackedw1\_5\_4   
 "reason attacked in place 5: sexual orientation"   
 a\_resattackedw1\_6\_1   
 "reason attacked in place 6: sex"   
 a\_resattackedw1\_6\_4   
 "reason attacked in place 6: sexual orientation"   
 a\_resattackedw1\_7\_1   
 "reason attacked in place 7: sex"   
 a\_resattackedw1\_7\_4   
 "reason attacked in place 7: sexual orientation"   
 a\_resattackedw1\_97\_1   
 "reason attacked in place other: sex"   
 a\_resattackedw1\_97\_4   
"reason attacked in place other: sexual orientation"   
 a\_prsex   
 "proxy sex"   
 a\_ppsex   
 "Partner's sex"

a\_racel   
 "ethnic group"   
 a\_racelo\_code   
 "specific code for generic ethnic groups"   
 a\_paid   
 "father's ethnic group"   
 a\_spaid   
"strength of identification with father's ethnicity"   
 a\_maid   
 "mother's ethnic group"   
 a\_smaid   
"strength of identification with mother's ethnicity"   
 a\_respromodeny3   
 "your ethnicity"   
 a\_restraindeny3   
 "your ethnicity"   
 a\_resunsafew1\_1\_3   
 "reason unsafe in place 1: ethnicity"   
 a\_resunsafew1\_2\_3   
 "reason unsafe in place 2: ethnicity"   
 a\_resunsafew1\_3\_3   
 "reason unsafe in place 3: ethnicity"   
 a\_resunsafew1\_4\_3   
 "reason unsafe in place 4: ethnicity"   
 a\_resunsafew1\_5\_3   
 "reason unsafe in place 5: ethnicity"   
 a\_resunsafew1\_6\_3   
 "reason unsafe in place 6: ethnicity"   
 a\_resunsafew1\_7\_3   
 "reason unsafe in place 7: ethnicity"   
 a\_resunsafew1\_97\_3   
 "reason unsafe in place other: ethnicity"   
 a\_resavoidw1\_1\_3   
 "reason avoid in place 1: ethnicity"   
 a\_resavoidw1\_2\_3   
 "reason avoid in place 2: ethnicity"   
 a\_resavoidw1\_3\_3   
 "reason avoid in place 3: ethnicity"   
 a\_resavoidw1\_4\_3   
 "reason avoid in place 4: ethnicity"   
 a\_resavoidw1\_5\_3   
 "reason avoid in place 5: ethnicity"   
 a\_resavoidw1\_6\_3   
 "reason avoid in place 6: ethnicity"   
 a\_resavoidw1\_7\_3   
 "reason avoid in place 7: ethnicity"   
 a\_resavoidw1\_97\_3   
 "reason avoid in place other: ethnicity"   
 a\_resinsultedw1\_1\_3   
 "reason insulted in place 1: ethnicity"   
 a\_resinsultedw1\_2\_3   
 "reason insulted in place 2: ethnicity"   
 a\_resinsultedw1\_3\_3   
 "reason insulted in place 3: ethnicity"   
 a\_resinsultedw1\_4\_3   
 "reason insulted in place 4: ethnicity"   
 a\_resinsultedw1\_5\_3   
 "reason insulted in place 5: ethnicity"   
 a\_resinsultedw1\_6\_3   
 "reason insulted in place 6: ethnicity"   
 a\_resinsultedw1\_7\_3   
 "reason insulted in place 7: ethnicity"   
 a\_resinsultedw1\_97\_3   
 "reason insulted in place other: ethnicity"   
 a\_resattackedw1\_1\_3   
 "reason attacked in place 1: ethnicity"   
 a\_resattackedw1\_2\_3   
 "reason attacked in place 2: ethnicity"   
 a\_resattackedw1\_3\_3   
 "reason attacked in place 3: ethnicity"   
 a\_resattackedw1\_4\_3   
 "reason attacked in place 4: ethnicity"   
 a\_resattackedw1\_5\_3   
 "reason attacked in place 5: ethnicity"   
 a\_resattackedw1\_6\_3   
 "reason attacked in place 6: ethnicity"   
 a\_resattackedw1\_7\_3   
 "reason attacked in place 7: ethnicity"   
 a\_resattackedw1\_97\_3   
 "reason attacked in place other: ethnicity"   
 a\_emboost   
 "ethnic minority boost flag"   
 a\_lda   
 "low density area for ethnic minorities"   
 a\_ethnic\_tm   
 "start time for ethnic module (seconds)"

a\_mlstatchk a\_mlstat   
 "marital status check" "Present legal marital status"   
 a\_marstat a\_marstat\_dv   
 "legal marital status" "Harmonised de facto marital status"   
 a\_mastat\_dv   
 "De facto marital status"

a\_lprnt   
 "Ever had/fathered children"   
 a\_lnprnt   
 "number of biological children ever had/fathered"   
 a\_lchmor   
 "likely resp will have more children"   
 a\_lchmorn   
 "no. more children resp likely to have"   
 a\_hlphmwk   
 "parent helps their children with homework"   
 a\_samsch   
 "children go to same school"   
 a\_quarrel   
 "how often quarrel with children"   
 a\_talkmatter   
 "how often talk about important matters with children"   
 a\_lvrel5   
 "Grandchildren"   
 a\_lvrel7   
 "Great Grandchildren"   
 a\_nrelsw13   
 "number of absent grandchildren"   
 a\_nrelsw15   
 "number of absent great grandchildren"   
 a\_ohch16   
 "children under 16 not living in hh"   
 a\_chsee   
 "frequency of seeing children over 16"   
 a\_nch14resp   
 "number of children under 15 resp is responsible for"   
 a\_nch415resp   
 "number of children aged 4 to 15 resp is responsible adult for"   
 a\_nchresp   
 "number of children under 16 resp is responsible adult for"   
 a\_nchund18resp   
 "number of children aged under 18 responsible for."   
 a\_natch01   
 "person numbers of respondents natural children in household"   
 a\_natch02   
 "person numbers of respondents natural children in household"   
 a\_natch03   
 "person numbers of respondents natural children in household"   
 a\_natch04   
 "person numbers of respondents natural children in household"   
 a\_natch05   
 "person numbers of respondents natural children in household"   
 a\_natch06   
 "person numbers of respondents natural children in household"   
 a\_natch07   
 "person numbers of respondents natural children in household"   
 a\_natch08   
 "person numbers of respondents natural children in household"   
 a\_natch09   
 "person numbers of respondents natural children in household"   
 a\_natch10   
 "person numbers of respondents natural children in household"   
 a\_natch11   
 "person numbers of respondents natural children in household"   
 a\_natch12   
 "person numbers of respondents natural children in household"   
 a\_natch13   
 "person numbers of respondents natural children in household"   
 a\_natch14   
 "person numbers of respondents natural children in household"   
 a\_natch15   
 "person numbers of respondents natural children in household"   
 a\_natch16   
 "person numbers of respondents natural children in household"   
 a\_nnatch   
 "number of biological children in household"   
 a\_nadoptch   
 "number of adoptive children in household"   
 a\_adoptch01   
 "person numbers of respondents adopted/step children in household"   
 a\_adoptch02   
 "person numbers of respondents adopted/step children in household"   
 a\_adoptch03   
 "person numbers of respondents adopted/step children in household"   
 a\_adoptch04   
 "person numbers of respondents adopted/step children in household"   
 a\_adoptch05   
 "person numbers of respondents adopted/step children in household"   
 a\_adoptch06   
 "person numbers of respondents adopted/step children in household"   
 a\_adoptch07   
 "person numbers of respondents adopted/step children in household"   
 a\_adoptch08   
 "person numbers of respondents adopted/step children in household"   
 a\_adoptch09   
 "person numbers of respondents adopted/step children in household"   
 a\_adoptch10   
 "person numbers of respondents adopted/step children in household"   
 a\_adoptch11   
 "person numbers of respondents adopted/step children in household"   
 a\_adoptch12   
 "person numbers of respondents adopted/step children in household"   
 a\_adoptch13   
 "person numbers of respondents adopted/step children in household"   
 a\_adoptch14   
 "person numbers of respondents adopted/step children in household"   
 a\_adoptch15   
 "person numbers of respondents adopted/step children in household"   
 a\_adoptch16   
 "person numbers of respondents adopted/step children in household"   
 a\_nchunder16   
 "number of children aged under 16 resp is parent of"   
 a\_nch5to15   
 "number of children aged 5 to 15 resp is parent of"   
 a\_nch10to15   
 "number of children aged 10 to 15 resp is parent of"   
 a\_allch01   
"person numbers of respondents children (natural,adopt,foster,step) in household"   
 a\_allch02   
"person numbers of respondents children (natural,adopt,foster,step) in household"   
 a\_allch03   
"person numbers of respondents children (natural,adopt,foster,step) in household"   
 a\_allch04   
"person numbers of respondents children (natural,adopt,foster,step) in household"   
 a\_allch05   
"person numbers of respondents children (natural,adopt,foster,step) in household"   
 a\_allch06   
"person numbers of respondents children (natural,adopt,foster,step) in household"   
 a\_allch07   
"person numbers of respondents children (natural,adopt,foster,step) in household"   
 a\_allch08   
"person numbers of respondents children (natural,adopt,foster,step) in household"   
 a\_allch09   
"person numbers of respondents children (natural,adopt,foster,step) in household"   
 a\_allch10   
"person numbers of respondents children (natural,adopt,foster,step) in household"   
 a\_allch11   
"person numbers of respondents children (natural,adopt,foster,step) in household"   
 a\_allch12   
"person numbers of respondents children (natural,adopt,foster,step) in household"   
 a\_allch13   
"person numbers of respondents children (natural,adopt,foster,step) in household"   
 a\_allch14   
"person numbers of respondents children (natural,adopt,foster,step) in household"   
 a\_allch15   
"person numbers of respondents children (natural,adopt,foster,step) in household"   
 a\_allch16   
"person numbers of respondents children (natural,adopt,foster,step) in household"   
 a\_nchild\_dv   
 "Number of own children in household"   
 a\_ndepchl\_dv   
 "Number of own dependent children in household"

a\_fenow   
 "Still in further education"   
 a\_feend   
 "further education leaving age"   
 a\_edtype   
 "type of educational institution attending"   
 a\_fedlik   
 "likelihood of entering further education"   
 a\_fednt   
 "reasons not going on to further education"   
 a\_paedqf   
 "father's educational qualifications"   
 a\_maedqf   
 "mother's educational qualifications"   
 a\_lgaped   
 "whether left f/t education before starting fe"   
 a\_edlinkb   
 "adult education consent capi"   
 a\_qfhigh\_dv   
"Highest educational qualification ever reported"

a\_sf1   
 "General health"   
 a\_sf2a   
 "health limits typical activities"   
 a\_sf2b   
 "health limits climbing stairs"   
 a\_sf3a   
 "health limits work"   
 a\_sf3b   
 "health limits kind of work"   
 a\_sf7   
"health or emotional problems interfered with social activities"   
 a\_disdif12   
 "Other health problem or disability"   
 a\_hconds01   
 "still have health condition : asthma"   
 a\_hconds02   
 "still have health condition : arthritis"   
 a\_hconds03   
 "still have health condition : congestive heart failure"   
 a\_hconds04   
 "still have health condition : coronary heart disease"   
 a\_hconds05   
 "still have health condition : angina"   
 a\_hconds06   
 "still have health condition : heart attack"   
 a\_hconds07   
 "still have health condition : stroke"   
 a\_hconds08   
 "still have health condition : emphysema"   
 a\_hconds09   
 "still have health condition : hyperthyroidism"   
 a\_hconds10   
 "still have health condition : hypothyroidism"   
 a\_hconds11   
 "still have health condition : chronic bronchitis"   
 a\_hconds12   
 "still have health condition : liver condition"   
 a\_hconds13   
 "still have health condition : cancer or malignancy"   
 a\_hconds14   
 "still have health condition : diabetes"   
 a\_hconds15   
 "still have health condition : epilepsy"   
 a\_hconds16   
 "still have health condition : high blood pressure"   
 a\_hconds17   
 "still have health condition: clinical depression"   
 a\_hconda01   
 "age told had health condition : asthma"   
 a\_hconda02   
 "age told had health condition : arthritis"   
 a\_hconda03   
 "age told had health condition : congestive heart failure"   
 a\_hconda04   
 "age told had health condition : coronary heart disease"   
 a\_hconda05   
 "age told had health condition : angina"   
 a\_hconda06   
 "age told had health condition : heart attack"   
 a\_hconda07   
 "age told had health condition : stroke"   
 a\_hconda08   
 "age told had health condition : emphysema"   
 a\_hconda09   
 "age told had health condition : hyperthyroidism"   
 a\_hconda10   
 "age told had health condition : hypothyroidism"   
 a\_hconda11   
 "age told had health condition : chronic bronchitis"   
 a\_hconda12   
 "age told had health condition : liver condition"   
 a\_hconda13   
 "age told had health condition : cancer or malignancy"   
 a\_hconda14   
 "age told had health condition : diabetes"   
 a\_hconda15   
 "age told had health condition : epilepsy"   
 a\_hconda16   
 "age told had health condition : high blood pressure"   
 a\_hconda17   
 "age told had health condition: clinical depression"   
 a\_respromodeny5   
 "your health or disability"   
 a\_restraindeny5   
 "your health or disability"   
 a\_resunsafew1\_1\_5   
 "reason unsafe in place 1: health or disability"   
 a\_resunsafew1\_2\_5   
 "reason unsafe in place 2: health or disability"   
 a\_resunsafew1\_3\_5   
 "reason unsafe in place 3: health or disability"   
 a\_resunsafew1\_4\_5   
 "reason unsafe in place 4: health or disability"   
 a\_resunsafew1\_5\_5   
 "reason unsafe in place 5: health or disability"   
 a\_resunsafew1\_6\_5   
 "reason unsafe in place 6: health or disability"   
 a\_resunsafew1\_7\_5   
 "reason unsafe in place 7: health or disability"   
 a\_resunsafew1\_97\_5   
 "reason unsafe in place other: health or disability"   
 a\_resavoidw1\_1\_5   
 "reason avoid in place 1: health or disability"   
 a\_resavoidw1\_2\_5   
 "reason avoid in place 2: health or disability"   
 a\_resavoidw1\_3\_5   
 "reason avoid in place 3: health or disability"   
 a\_resavoidw1\_4\_5   
 "reason avoid in place 4: health or disability"   
 a\_resavoidw1\_5\_5   
 "reason avoid in place 5: health or disability"   
 a\_resavoidw1\_6\_5   
 "reason avoid in place 6: health or disability"   
 a\_resavoidw1\_7\_5   
 "reason avoid in place 7: health or disability"   
 a\_resavoidw1\_97\_5   
 "reason avoid in place other: health or disability"   
 a\_resinsultedw1\_1\_5   
 "reason insulted in place 1: health or disability"   
 a\_resinsultedw1\_2\_5   
 "reason insulted in place 2: health or disability"   
 a\_resinsultedw1\_3\_5   
 "reason insulted in place 3: health or disability"   
 a\_resinsultedw1\_4\_5   
 "reason insulted in place 4: health or disability"   
 a\_resinsultedw1\_5\_5   
 "reason insulted in place 5: health or disability"   
 a\_resinsultedw1\_6\_5   
 "reason insulted in place 6: health or disability"   
 a\_resinsultedw1\_7\_5   
 "reason insulted in place 7: health or disability"   
 a\_resinsultedw1\_97\_5   
 "reason insulted in place other: health or disability"   
 a\_resattackedw1\_1\_5   
 "reason attacked in place 1: health or disability"   
 a\_resattackedw1\_2\_5   
 "reason attacked in place 2: health or disability"   
 a\_resattackedw1\_3\_5   
 "reason attacked in place 3: health or disability"   
 a\_resattackedw1\_4\_5   
 "reason attacked in place 4: health or disability"   
 a\_resattackedw1\_5\_5   
 "reason attacked in place 5: health or disability"   
 a\_resattackedw1\_6\_5   
 "reason attacked in place 6: health or disability"   
 a\_resattackedw1\_7\_5   
 "reason attacked in place 7: health or disability"   
 a\_resattackedw1\_97\_5   
 "reason attacked in place other: health or disability"   
 a\_healthlink   
 "adult health consent capi"   
 a\_flaglink   
 "adult health consent flag on nhscr capi"   
 a\_sclfsat1   
 "Satisfaction with health"   
 a\_health\_tm   
 "start time for health module (seconds)"

named character(0)

a\_hcond9   
 "Hyperthyroidism or an over-active thyroid"   
 a\_hcond10   
 "Hypothyroidism or an under-active thyroid"   
 a\_hconds09   
 "still have health condition : hyperthyroidism"   
 a\_hconds10   
 "still have health condition : hypothyroidism"   
 a\_hconda09   
"age told had health condition : hyperthyroidism"   
 a\_hconda10   
 "age told had health condition : hypothyroidism"   
 a\_harassment\_tm   
 "start time for harassment module (seconds)"

Variables found of interest:

* {w}\_jbstat: Current economic activity
* {w}\_dvage: Age from birth
* {w}\_sex : sex
* {w}\_racel: ethnic group
* {w}\_marstat\_dv: Harmonised de facto marital status
  + We think this is more important for understanding economic situations than whether someone is married, divorced or in a civil partnership
* {w}\_nchild\_dv: number of own children in household
* {w}\_ndepchl\_dv: Number of own dependent children in household
* {w}\_fenow: Still in further education
* {w}\_feend: Further education leaving age
* {w}\_qfhigh\_dv: Highest education qualification ever reported
* {w}\_sf1: General health
* {w}\_sf2a: Health limits typical activities
* {w}\_sf3a: Health limits work
* {w}\_sf3b: Health limits kind of work
* Looking for something like scaghq: self completion ghq score (derived)