UK Data Service

Teaching Dataset

Quarterly Labour Force Survey, July – September 2018

SN 8499

User Guide

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Contents

Acknowledgements

This teaching dataset user guide is updated from a previous version based on data from the QLFS 2012 and produced by Dr Sarah King-Hele.

Introduction to the Quarterly Labour Force Survey (QLFS), July-September 2018

The *Labour Force Survey* (LFS) is a unique source of information using international definitions of employment and unemployment and economic inactivity, together with a wide range of related topics such as occupation, training, hours of work and personal characteristics of household members aged 16 years and over. It is used to inform social, economic and employment policy.

The LFS was first conducted biennially from 1973-1983. Between 1984 and 1991 the survey was carried out annually and consisted of a quarterly survey conducted throughout the year and a 'boost' survey in the spring quarter (data were then collected seasonally). From 1992 quarterly data were made available, with a quarterly sample size approximately equivalent to that of the previous annual data. The survey then became known as the *Quarterly Labour Force Survey* (QLFS). From December 1994, data gathering for Northern Ireland moved to a full quarterly cycle to match the rest of the country, so the QLFS then covered the whole of the UK.

The QLFS questionnaire comprises a 'core' of questions which are included in every survey, together with some 'non-core' questions which vary from quarter to quarter.

The questionnaire can be split into two main parts. The first part contains questions on the respondent's household, family structure, basic housing information and demographic details of household members. The second part contains questions covering economic activity, education and health, and also may include a few questions asked on behalf of other government departments (for example the Department for Work and Pensions and the Home Office). Until 1997, the questions on health covered mainly problems which affected the respondent's work. From that quarter onwards, the questions cover all health problems. Detailed questions on income have also been included in each quarter since 1993. The basic questionnaire is revised each year, and a new version published, along with a transitional version that details changes from the previous year's questionnaire.

More information about the July-September 2018 QLFS, including the questionnaire and detailed information about variables included in the dataset is available from the UK Data Service.

How to obtain the QLFS, July-September 2018 Teaching Dataset

To access the QLFS, July-September 2018 Teaching Dataset data, you must login/register with the UK Data Service. All users, including those outside the UK, can obtain a login – see login and registration help for details, including what to do if you have forgotten your login details. Registered users can download/order the dataset direct from the UK Data Service website via its catalogue search engine, or via the LFS series page found under Get data > Key data.

The Teaching Dataset is available in two formats: SPSS and Stata.

SPSS: QLFS_JS_2018_teach.sav

Stata: QLFS_JS_2018_teach.dta

Data and variables within the dataset

The Teaching Dataset includes 53 variables and contains only respondents aged 16 to 65 years. The variables included within the dataset are individual variables, and require individual-based analysis. However, there are a number of household-level variables such as numchild04 and numchilld516 (the number of children in the household aged 0-4 and 5-16 respectively). The dataset contains a mix of categorical and continuous variables. All of the variables are taken directly from the July-September (JS) 2018 QLFS dataset deposited at the UK Data Service or have been created from variables in that dataset for use in this teaching dataset. The variable names correspond directly to those on the JS 2018 QLFS dataset apart from those created for the Teaching Dataset, which are suffixed with an 'x' (and generally lower case). A list and description of variables is given on page 6. Frequencies can be found on pages 9 to 24. The Stata do-file used to create the Teaching Dataset can be found on pages 25 to 28.

Weighting the dataset

The Teaching Dataset contains two weights called PWT18 and pwt18x. These are used when conducting individual level analyses. The weight PWT18 is the weight provided in the full QLFS JS 2018 dataset and grosses up to the UK population and pwt18x is PWT18 scaled so that it has a mean of 1.

Missing values within the dataset

A number of variables with the Teaching Dataset have negative values, for example -9, -8 etc. or in the Stata dataset, dots i.e. '.' or '.a' . These are referred to as 'missing values'. Missing values have been dealt with slightly differently within the two different versions of the Teaching Dataset. The missing values conventions for the July-September 2018 QLFS are:

For the SPSS dataset:

-8 No answer

-9 Does not apply: Used to signify that a particular variable did not apply to a given participant

And for the Stata dataset:

.b No answer

.a Does not apply: Used to signify that a particular variable did not apply to a given participant

It is often useful to run frequencies on the variables as a first stage in any analysis to examine the distribution of responses and the proportion of missing values.

List of variables in the Teaching Dataset

The following table lists the variables within the Teaching Dataset and gives a short description of each. A frequency count of each variable can be found on pages 9-24. Documentation about variables in the QLFS July-September 2018 is available from the dataset's catalogue page on the UK Data Service website.

No.	Variable name	Variable labels	Variable type
Household information			
1	TEN1	Accommodation details	Categorical
2	housex	housing tenure	Categorical
Respondent socio-demographics			
3	sexx	Sex	Categorical
4	AGE	Age of respondent	Continuous
5	AGES	Age bands	Categorical
6	NTNLTY12	Nationality	Categorical
7	regionx	Region	Categorical
8	numchild04	Number of children aged 0-4	Categorical
9	Numchild516	Number of children aged 5-16	Categorical
10	AYFL19	Age youngest child in family under 19	Continuous
11	ETHUKEUL	Ethnicity (9 categories) UK level	Categorical
12	fbx	Whether born outside the UK	Categorical
13	arrivalx	Year of arrival in UK	Continuous
14	marstax	Marital status	Categorical
15	LIV12w	Whether living together as couple	Categorical

No.	Variable name	Variable labels	Variable type
16	marcivx	Whether married/Civil Partner (living with or separated)	Categorical
Employment details			
17	INECAC0 5	Basic economic activity (ILO definition) (reported)	Categorical
18	statusx	Economic status	Categorical
19	ILODEFR	Economic activity (reported) from MM05	Categorical
20	GRSSWK	Gross weekly pay in main job	Continuous
21	HOURPAY	Gross hourly pay	Continuous
22	SOC10M	SOC2010 Main Job Unit Code	Categorical
23	SC10MMJ	SOC2010 Main Job Major Group	Categorical
24	nsecm10x	NS-SEC major group (SOC2010 based) (with labels)	Categorical
25	JOBTYP	Permanent or temporary job	Categorical
26	CONMPY	Year started working with current employer	Continuous
27	ptimex	Whether part-time (self-reported)	Categorical
28	ptimehrs	Whether part-time (work <31 hours per week)	Categorical
29	TTUSHR	Total usual hours in main job	Continuous
30	PUBLICR	Public or private sector (reported)	Categorical
31	MANAGER	Managerial status (reported)	Categorical
32	SECJOB	Second job in ref week	Categorical
33	YTETJB	Whether had paid job in addition to scheme	Categorical
34	WRKING	Whether did paid work in reference week	Categorical
35	OWNBUS	Unpaid work for own business	Categorical
36	RELBUS	Unpaid work for relatives business	Categorical

No.	Variable name	Variable labels	Variable type
37	STATR	Employment status in main job (reported)	Categorical
38	LOOK4	Looking for paid work in 4 weeks ending ref week	Categorical
39	LKYT4	Looking for scheme place 4 weeks ending ref week	Categorical
40	START	Able to start work within 2 weeks	Categorical
41	WAIT	Waiting to take up job already obtained	Categorical
42	LIKEWK	Not looking but would like a paid job	Categorical
43	YSTART	Reason could not start work within two weeks	Categorical
44	NOLWM	Main reason not looking for work in last	Categorical
Other important variables			
45	HIQUAL15	Highest qualification/trade apprenticeship	Categorical
46	HIQUL15D	Highest qualification (detailed grouping)	Categorical
47	LEVQUL15	Level of highest qualification held	Categorical
48	EDAGE	Age when compltd cont. FT education	Continuous
49	bhealthx	Bad Health that limits work	Categorical
Identifiers and weighting variables			
50	CASENOP	Case Identifier - pseudoanonymised	String
51	HSERIALP	Number uniquely identifies a household - pseudoanonymised	String
52	PWT18	Person weight	
53	pwt18x	Person weight (mean=1)	

Frequencies

In the following frequencies, the values ., .a and .b are missing value (.a = ‘does not apply’ and .b = ‘no answer’).

```
-------------------------------------------------------------------------------
TEN1                                                  Accommodation details
-------------------------------------------------------------------------------

                  type:  numeric (byte)
                 label:  TEN1

                 range:  [1,5]                        units:  1
         unique values:  5                        missing .:  0/55,326
       unique mv codes:  1                        missing .*:  15/55,326

            tabulation:  Freq.   Numeric  Label
                        13,462         1  Owned outright
                        23,633         2  Being bought with mortgage or
                                          loan
                           327         3  Part rent
                        17,505         4  Rented
                           384         5  Rent free
                            15        .b

-------------------------------------------------------------------------------
housex                                                        housing tenure
-------------------------------------------------------------------------------

                  type:  numeric (byte)
                 label:  housex

                 range:  [1,2]                        units:  1
         unique values:  2                        missing .:  15/55,326

            tabulation:  Freq.   Numeric  Label
                        37,422         1  owner/occupier
                        17,889         2  rented
                            15         .

-------------------------------------------------------------------------------
sexx                                                                      Sex
-------------------------------------------------------------------------------

                  type:  numeric (byte)
                 label:  sexx

                 range:  [0,1]                        units:  1
         unique values:  2                        missing .:  0/55,326

            tabulation:  Freq.   Numeric  Label
                        26,332         0  male
                        28,994         1  female
```

```
-------------------------------------------------------------------------------
AGE                                                          Age of respondent
-------------------------------------------------------------------------------

                 type:  numeric (byte)
                label:  AGE, but 50 nonmissing values are not labeled

                range:  [16,65]                      units:  1
        unique values:  50                       missing .:  0/55,326

             examples:  28
                        38
                        47
                        56

-------------------------------------------------------------------------------
AGES                                          Age groups in 5 year intervals
-------------------------------------------------------------------------------

                 type:  numeric (byte)
                label:  AGES

                range:  [4,14]                       units:  1
        unique values:  11                       missing .:  0/55,326

             examples:  6     25-29yrs
                        8     35-39yrs
                        10    45-49yrs
                        12    55-59yrs

-------------------------------------------------------------------------------
NTNLTY12                                                        Nationality
-------------------------------------------------------------------------------

                 type:  numeric (int)
                label:  NTNLTY12

                range:  [356,997]                    units:  1
        unique values:  6                        missing .:  0/55,326
      unique mv codes:  2                        missing .*:  31/55,326

           tabulation:  Freq.   Numeric  Label
                          255       356  India
                          265       372  Irish Republic
                          142       586  Pakistan
                          687       616  Poland
                       47,977       926  UK, British
                        5,969       997  Other
                           24        .a
                            7        .b

-------------------------------------------------------------------------------
regionx                                                                 Region
-------------------------------------------------------------------------------

                 type:  numeric (byte)
                label:  regionx

                range:  [1,11]                       units:  1
        unique values:  11                       missing .:  0/55,326

             examples:  3     North West
                        5     West Midlands
                        7     South East
                        8     South West
```

```
-------------------------------------------------------------------------------
numchild04                                          Number of children aged 0-4
-------------------------------------------------------------------------------

                  type:  numeric (byte)

                 range:  [0,87]                       units:  1
         unique values:  6                        missing .:  774/55,326

            tabulation:  Freq.  Value
                        46,295  0
                         6,409  1
                         1,732  2
                           107  3
                             9  4
                           774  .

-------------------------------------------------------------------------------
numchild516                                         Number of children aged 5-16
-------------------------------------------------------------------------------

                  type:  numeric (byte)

                 range:  [0,8]                        units:  1
         unique values:  8                        missing .:  774/55,326

            tabulation:  Freq.  Value
                        38,196  0
                         9,023  1
                         5,718  2
                         1,350  3
                           201  4
                            54  5
                             9  6
                             1  8
                           774  .

-------------------------------------------------------------------------------
AYFL19                                    Age youngest child in family under 19
-------------------------------------------------------------------------------

                  type:  numeric (byte)
                 label:  AYFL19, but 19 nonmissing values are not labeled

                 range:  [0,19]                       units:  1
         unique values:  20                       missing .:  0/55,326
       unique mv codes:  1                        missing .*:  774/55,326

              examples:  7
                         17
                         19    No dependent children aged under 19
                         19    No dependent children aged under 19
```

```
-------------------------------------------------------------------------------
ETHUKEUL                                        Ethnicity (9 categories) UK level
-------------------------------------------------------------------------------

                  type:  numeric (byte)
                 label:  ETHUKEUL

                 range:  [1,9]                        units:  1
           unique values:  9                    missing .:  0/55,326
       unique mv codes:  1                      missing .*:  56/55,326

            tabulation:  Freq.   Numeric  Label
                        48,635         1  White
                           649         2  Mixed/Multiple ethnic groups
                         1,333         3  Indian
                           952         4  Pakistani
                           360         5  Bangladeshi
                           343         6  Chinese
                           597         7  Any other Asian background
                         1,540         8  Black/African/Caribbean/Black
                                          British
                           861         9  Other ethnic group
                            56        .b

-------------------------------------------------------------------------------
fbx                                                  whether born outside the UK
-------------------------------------------------------------------------------

                  type:  numeric (byte)
                 label:  fbx

                 range:  [0,1]                        units:  1
           unique values:  2                    missing .:  0/55,326
       unique mv codes:  1                      missing .*:  59/55,326

            tabulation:  Freq.   Numeric  Label
                        46,643         0  no
                         8,624         1  yes
                            59        .a

-------------------------------------------------------------------------------
arrivalx                                                Year of arrival in UK
-------------------------------------------------------------------------------

                  type:  numeric (byte)
                 label:  arrivalx, but 1 nonmissing value is not labeled

                 range:  [0,7]                        units:  1
           unique values:  8                    missing .:  0/55,326

            tabulation:  Freq.   Numeric  Label
                        46,643         0
                           152         1  pre 1959
                           372         2  1960-1959
                           521         3  1970-1979
                           638         4  1980-1989
                         1,199         5  1990-2000
                         3,152         6  2000-2009
                         2,649         7  2010-2018
```

```
-------------------------------------------------------------------------------
marstax                                                          Marital status
-------------------------------------------------------------------------------

                  type:  numeric (byte)
                 label:  marstax

                 range:  [1,3]                        units:  1
         unique values:  3                        missing .:  0/55,326

            tabulation:  Freq.   Numeric  Label
                        21,522         1  Single, never married
                        27,350         2  Married or in civil partnership,
                                            living with spouse
                         6,454         3  Divorced or previous civil
                                            partnership/ Widowed

-------------------------------------------------------------------------------
LIV12W                                          Whether living together as couple
-------------------------------------------------------------------------------

                  type:  numeric (byte)
                 label:  LIV12W

                 range:  [1,2]                        units:  1
         unique values:  2                        missing .:  0/55,326
       unique mv codes:  1                        missing .*:  33,080/55,326

            tabulation:  Freq.   Numeric  Label
                         8,404         1  Yes
                        13,842         2  No
                        33,080        .a

-------------------------------------------------------------------------------
marcivx                   Whether married/Civil Partner (living with or separated)
-------------------------------------------------------------------------------

                  type:  numeric (byte)
                 label:  marcivx

                 range:  [0,1]                        units:  1
         unique values:  2                        missing .:  0/55,326

            tabulation:  Freq.   Numeric  Label
                        21,522         0  Not married or in civil
                                            partnership
                        33,804         1  Married/Civil partner(living
                                            with and sep.)

-------------------------------------------------------------------------------
INECAC05                        Basic economic activity (ILO definition) (reported)
-------------------------------------------------------------------------------
                  type:  numeric (byte)
                 label:  INECAC05

                 range:  [1,33]                       units:  1
         unique values:  33                       missing .:  0/55,326

              examples:  1     Employee
                         1     Employee
                         1     Employee
                         14    Inactive, not seeking, would like, looking after
                                family, home
```

```
-------------------------------------------------------------------------------
statusx                                                          Economic status
-------------------------------------------------------------------------------

                  type:  numeric (byte)
                 label:  statusx

                 range:  [1,4]                        units:  1
         unique values:  4                        missing .:  0/55,326

            tabulation:  Freq.   Numeric  Label
                        35,352         1  Employed/Scheme
                         5,854         2  Self-employed/unpaid fam
                         1,734         3  ILO Unemployed
                        12,386         4  Not in Labour Force

-------------------------------------------------------------------------------
ILODEFR                                    Economic activity (reported) from MM05
-------------------------------------------------------------------------------

                  type:  numeric (byte)
                 label:  ILODEFR

                 range:  [1,3]                        units:  1
         unique values:  3                        missing .:  0/55,326

            tabulation:  Freq.   Numeric  Label
                        41,206         1  In employment
                         1,734         2  ILO unemployed
                        12,386         3  Inactive

-------------------------------------------------------------------------------
GRSSWK                Gross weekly pay in main job (Government scheme or employee)
-------------------------------------------------------------------------------

                  type:  numeric (int)
                 label:  GRSSWK, but 972 nonmissing values are not labeled

                 range:  [1,12231]                    units:  1
         unique values:  972                      missing .:  0/55,326
       unique mv codes:  2                        missing .*:  45,785/55,326

               examples:  .a
                          .a
                          .a
                          .a

-------------------------------------------------------------------------------
HOURPAY                                                          Gross hourly pay
-------------------------------------------------------------------------------

                  type:  numeric (double)
                 label:  HOURPAY, but 2116 nonmissing values are not labeled

                 range:  [.03,349.46]                 units:  .01
         unique values:  2,116                    missing .:  0/55,326
       unique mv codes:  1                        missing .*:  45,847/55,326

               examples:  .a
                          .a
                          .a
                          .a
```

```
-------------------------------------------------------------------------------
SOC10M                                                    Occupation (main job)
-------------------------------------------------------------------------------

                 type:  numeric (int)
                label:  SOC10M

                range:  [1115,9279]                  units:  1
          unique values:  369                     missing .:  0/55,326
      unique mv codes:  2                        missing .*:  14,181/55,326

             examples:  2421  2421  'Chartered and certified accountants'
                        4161  4161  'Office mngrs'
                        7130  7130  'Sales supervisors'
                        .a

-------------------------------------------------------------------------------
SC10MMJ                                       Major occupation group (main job)
-------------------------------------------------------------------------------

                 type:  numeric (byte)
                label:  SC10MMJ

                range:  [1,9]                        units:  1
          unique values:  9                       missing .:  0/55,326
      unique mv codes:  2                        missing .*:  14,181/55,326

           tabulation:  Freq.   Numeric  Label
                        4,499         1  1  'Managers, Directors And
                                            Senior Officials'
                        8,427         2  2  'Professional Occupations'
                        5,863         3  3  'Associate Professional And
                                            Technical Occupations'
                        4,318         4  4  'Administrative And
                                            Secretarial Occupations'
                        4,112         5  5  'Skilled Trades Occupations'
                        3,878         6  6  'Caring, Leisure And Other
                                            Service Occupations'
                        3,110         7  7  'Sales And Customer Service
                                            Occupations'
                        2,649         8  8  'Process, Plant And Machine
                                            Operatives'
                        4,289         9  9  'Elementary Occupations'
                       14,143        .a
                           38        .b

-------------------------------------------------------------------------------
nsecm10x                              NS-SEC category (SOC2010 based) (with labels)
-------------------------------------------------------------------------------
                 type:  numeric (byte)
                label:  nsecm10x

                range:  [1,40]                       units:  1
          unique values:  40                      missing .:  0/55,326

             examples:  7     4.1 Lower professional traditional employee
                        13    7.1 Intermediate clerical and administrative
                        21    10.0 Lower supervisory occupations
                        34    13.4 Routine operative
```

```
-------------------------------------------------------------------------------
JOBTYP
Permanent or temporary job
-------------------------------------------------------------------------------

                  type:  numeric (byte)
                 label:  JOBTYP

                 range:  [1,2]                        units:  1
         unique values:  2                        missing .:  0/55,326
       unique mv codes:  2                        missing .*:  20,053/55,326

            tabulation:  Freq.   Numeric  Label
                        33,395         1  Permanent
                         1,878         2  Not permanent in some way
                        20,027        .a
                            26        .b

-------------------------------------------------------------------------------
CONMPY                                    Yr started working for current employer
-------------------------------------------------------------------------------

                  type:  numeric (int)
                 label:  CONMPY, but 51 nonmissing values are not labeled

                 range:  [1968,2018]                  units:  1
         unique values:  51                       missing .:  0/55,326
       unique mv codes:  2                        missing .*:  20,187/55,326

               examples:  2008
                          2015
                          2018
                          .a

-------------------------------------------------------------------------------
ptimex                                           Whether part-time (self-reported)
-------------------------------------------------------------------------------

                  type:  numeric (byte)
                 label:  ptimex

                 range:  [0,1]                        units:  1
         unique values:  2                        missing .:  14,120/55,326

            tabulation:  Freq.   Numeric  Label
                        30,557         0  No
                        10,649         1  Yes
                        14,120         .

-------------------------------------------------------------------------------
ptimehrs                                 Whether part-time (work <31 hours per week)
-------------------------------------------------------------------------------

                  type:  numeric (byte)
                 label:  ptimehrs

                 range:  [0,1]                        units:  1
         unique values:  2                        missing .:  0/55,326

            tabulation:  Freq.   Numeric  Label
                        43,295         0  No
                        12,031         1  Yes
```

```
-------------------------------------------------------------------------------
TTUSHR                                            Total usual hours in main job
-------------------------------------------------------------------------------

                  type:  numeric (byte)
                 label:  TTUSHR, but 92 nonmissing values are not labeled

                 range:  [0,97]                       units:  1
           unique values:  93                     missing .:  0/55,326
       unique mv codes:  2                        missing .*:  15,188/55,326

              examples:  31
                         40
                         46
                         .a

-------------------------------------------------------------------------------
PUBLICR                                      Public or private sector (reported)
-------------------------------------------------------------------------------

                  type:  numeric (byte)
                 label:  PUBLICR

                 range:  [1,2]                        units:  1
           unique values:  2                      missing .:  0/55,326
       unique mv codes:  2                        missing .*:  14,257/55,326

            tabulation:  Freq.   Numeric  Label
                        31,669         1  Private
                         9,400         2  Public
                        14,142        .a
                           115        .b

-------------------------------------------------------------------------------
MANAGER                                            Managerial status (reported)
-------------------------------------------------------------------------------

                  type:  numeric (byte)
                 label:  MANAGER

                 range:  [1,3]                        units:  1
           unique values:  3                      missing .:  0/55,326
       unique mv codes:  2                        missing .*:  20,068/55,326

            tabulation:  Freq.   Numeric  Label
                         8,875         1  Manager
                         3,842         2  Foreman or supervisor
                        22,541         3  Not manager or supervisor
                        20,026        .a
                            42        .b
```

```
-------------------------------------------------------------------------------
SECJOB                                    Whether had 2nd job in reference week
-------------------------------------------------------------------------------

                  type:  numeric (byte)
                 label:  SECJOB

                 range:  [1,2]                        units:  1
           unique values:  2                    missing .:  0/55,326
       unique mv codes:  2                      missing .*:  14,275/55,326

            tabulation:  Freq.   Numeric  Label
                         1,445         1  Yes
                        39,606         2  No
                        14,262        .a
                            13        .b

-------------------------------------------------------------------------------
YTETJB                                 Whether had paid job in addition to scheme
-------------------------------------------------------------------------------

                  type:  numeric (byte)
                 label:  YTETJB

                 range:  [1,2]                        units:  1
           unique values:  2                    missing .:  0/55,326
       unique mv codes:  1                      missing .*:  55,249/55,326

            tabulation:  Freq.   Numeric  Label
                            11         1  Yes
                            66         2  No
                        55,249        .a

-------------------------------------------------------------------------------
WRKING                                    Whether did paid work in reference week
-------------------------------------------------------------------------------

                  type:  numeric (byte)
                 label:  WRKING

                 range:  [1,2]                        units:  1
           unique values:  2                    missing .:  0/55,326
       unique mv codes:  1                      missing .*:  242/55,326

            tabulation:  Freq.   Numeric  Label
                        37,374         1  Yes
                        17,710         2  No
                           242        .a

-------------------------------------------------------------------------------
OWNBUS                                          Unpaid work for own business
-------------------------------------------------------------------------------

                  type:  numeric (byte)
                 label:  OWNBUS

                 range:  [1,2]                        units:  1
           unique values:  2                    missing .:  0/55,326
       unique mv codes:  1                      missing .*:  41,273/55,326

            tabulation:  Freq.   Numeric  Label
                            48         1  Yes
                        14,005         2  No
                        41,273        .a
```

```
-------------------------------------------------------------------------------
RELBUS                                          Unpaid work for relatives business
-------------------------------------------------------------------------------

                  type:  numeric (byte)
                 label:  RELBUS

                 range:  [1,2]                        units:  1
          unique values:  2                    missing .:  0/55,326
      unique mv codes:  1                      missing .*:  41,321/55,326

           tabulation:  Freq.   Numeric  Label
                           36         1  Yes
                       13,969         2  No
                       41,321        .a

-------------------------------------------------------------------------------
STATR                                     Employment status in main job (reported)
-------------------------------------------------------------------------------

                  type:  numeric (byte)
                 label:  STATR

                 range:  [1,4]                        units:  1
          unique values:  4                    missing .:  0/55,326
      unique mv codes:  1                      missing .*:  14,158/55,326

           tabulation:  Freq.   Numeric  Label
                       35,300         1  Employee
                        5,771         2  Self-employed
                           13         3  Government scheme
                           84         4  Unpaid family worker
                       14,158        .a

-------------------------------------------------------------------------------
LOOK4                       Looking for paid work in 4 weeks ending reference week
-------------------------------------------------------------------------------

                  type:  numeric (byte)
                 label:  LOOK4

                 range:  [1,2]                        units:  1
          unique values:  2                    missing .:  0/55,326
      unique mv codes:  1                      missing .*:  41,216/55,326

           tabulation:  Freq.   Numeric  Label
                        2,032         1  Yes
                       12,078         2  No
                       41,216        .a

-------------------------------------------------------------------------------
LKYT4             Looking for scheme place in last 4 weeks (ending reference week)
-------------------------------------------------------------------------------

                  type:  numeric (byte)
                 label:  LKYT4

                 range:  [1,2]                        units:  1
          unique values:  2                    missing .:  0/55,326
      unique mv codes:  1                      missing .*:  43,248/55,326

           tabulation:  Freq.   Numeric  Label
                           22         1  Yes
                       12,056         2  No
                       43,248        .a
```

```
-------------------------------------------------------------------------------
START                                          Able to start work within 2 weeks
-------------------------------------------------------------------------------

                  type:  numeric (byte)
                 label:  START

                 range:  [1,2]                        units:  1
           unique values:  2                    missing .:  0/55,326
       unique mv codes:  2                      missing .*:  48,657/55,326

            tabulation:  Freq.   Numeric  Label
                         3,461         1  Yes
                         3,208         2  No
                        48,579        .a
                            78        .b

-------------------------------------------------------------------------------
WAIT                                        Waiting to take up job already obtained
-------------------------------------------------------------------------------

                  type:  numeric (byte)
                 label:  WAIT

                 range:  [1,2]                        units:  1
           unique values:  2                    missing .:  0/55,326
       unique mv codes:  2                      missing .*:  43,252/55,326

            tabulation:  Freq.   Numeric  Label
                           186         1  Yes
                        11,888         2  No
                        43,249        .a
                             3        .b

-------------------------------------------------------------------------------
LIKEWK                                       Not looking but would like a paid job
-------------------------------------------------------------------------------
                  type:  numeric (byte)
                 label:  LIKEWK

                 range:  [1,2]                        units:  1
           unique values:  2                    missing .:  0/55,326
       unique mv codes:  2                      missing .*:  43,488/55,326

            tabulation:  Freq.   Numeric  Label
                         2,189         1  Yes
                         9,649         2  No
                        43,438        .a
                            50        .b
```

```
-------------------------------------------------------------------------------
YSTART                              Reason not able to start work within 2 weeks
-------------------------------------------------------------------------------
                 type:  numeric (byte)
                label:  YSTART

                range:  [1,6]                        units:  1
          unique values:  6                       missing .:  0/55,326
      unique mv codes:  2                      missing .*:  52,122/55,326

           tabulation:  Freq.   Numeric  Label
                          355         1  Must complete education
                        1,151         2  Cannot leave present job within
                                         2 weeks
                          572         3  Looking after family or home
                           99         4  Temp sick or injured
                          595         5  Long-term sick or disabled
                          432         6  Other reason
                       52,118        .a
                            4        .b

-------------------------------------------------------------------------------
NOLWM                                          Main reason not looking for work
-------------------------------------------------------------------------------

                 type:  numeric (byte)
                label:  NOLWM

                range:  [1,10]                       units:  1
          unique values:  10                      missing .:  0/55,326
      unique mv codes:  1                      missing .*:  43,445/55,326

             examples:  9     Retired from paid work
                        .a
                        .a
                        .a

-------------------------------------------------------------------------------
HIQUAL15                                 Highest qualification/trade apprenticeship
-------------------------------------------------------------------------------
                 type:  numeric (byte)
                label:  HIQUAL15

                range:  [1,85]                       units:  1
          unique values:  82                      missing .:  0/55,326
      unique mv codes:  1                      missing .*:  219/55,326

             examples:  8     First degree/foundation degree
                        30    NVQ level 3
                        45    Trade apprenticeship
                        58    O-level, GCSE grade A*-C or equivalent
```

```
-------------------------------------------------------------------------------
HIQUL15D                                 Highest qualification (detailed grouping)
-------------------------------------------------------------------------------

                  type:  numeric (byte)
                 label:  HIQUL15D

                 range:  [1,7]                        units:  1
           unique values:  7                        missing .:  0/55,326
       unique mv codes:  1                        missing .*:  219/55,326

            tabulation:  Freq.   Numeric  Label
                        16,440         1  Degree or equivalent
                         4,777         2  Higher education
                        12,098         3  GCE A level or equivalent
                        11,787         4  GCSE grades A*-C or equivalent
                         4,504         5  Other qualification
                         4,605         6  No qualification
                           896         7  Don't know
                           219        .b

-------------------------------------------------------------------------------
LEVQUL15                                    Level of highest qualification held
-------------------------------------------------------------------------------

                  type:  numeric (byte)
                 label:  LEVQUL15

                 range:  [1,7]                        units:  1
           unique values:  7                        missing .:  0/55,326
       unique mv codes:  1                        missing .*:  219/55,326

            tabulation:  Freq.   Numeric  Label
                        21,243         1  NQF Level 4 and above
                         9,120         2  NQF Level 3
                         1,848         3  Trade apprenticeships
                         8,849         4  NQF Level 2
                         5,926         5  Below NQF Level 2
                         3,516         6  Other qualifications
                         4,605         7  No qualifications
                           219        .b

-------------------------------------------------------------------------------
EDAGE                                      Age when completed full time education
-------------------------------------------------------------------------------

                  type:  numeric (byte)
                 label:  EDAGE, but 48 nonmissing values are not labeled

                 range:  [5,97]                       units:  1
           unique values:  50                       missing .:  0/55,326
       unique mv codes:  2                        missing .*:  425/55,326

                examples:  16
                           17
                           19
                           22
```

```
-------------------------------------------------------------------------------
bhealthx                                        Bad Health that limits paid work
-------------------------------------------------------------------------------

                  type:  numeric (byte)
                 label:  bhealthx

                 range:  [0,1]                        units:  1
         unique values:  2                        missing .:  0/55,326

            tabulation:  Freq.   Numeric  Label
                        46,782         0  no
                         8,544         1  yes

-------------------------------------------------------------------------------
CASENOP                                                            Case Number
-------------------------------------------------------------------------------

                  type:  string (str15)

         unique values:  54,553                   missing "":  0/55,326

              examples:  "760502"
                         "1515702"
                         "2270201"
                         "3028901"

               warning:  variable has leading blanks

-------------------------------------------------------------------------------
HSERIALP                                  Number uniquely identifies a household
-------------------------------------------------------------------------------

                  type:  string (str13)

         unique values:  29,794                   missing "":  0/55,326

              examples:  "7605"
                         "15157"
                         "22702"
                         "30289"

               warning:  variable has leading blanks

-------------------------------------------------------------------------------
PWT18                                                        Person weight 2018
-------------------------------------------------------------------------------

                  type:  numeric (int)
                 label:  PWT18, but 1535 nonmissing values are not labeled

                 range:  [216,9456]                   units:  1
         unique values:  1,535                    missing .:  0/55,326

              examples:  588
                         672
                         761
                         899
```

```
-------------------------------------------------------------------------------
pwt18x                                                  Person weight (mean=1)
-------------------------------------------------------------------------------

                  type:  numeric (float)

                 range:  [.33793071,14.793856]        units:  1.000e-08
         unique values:  1,535                    missing .:  0/55,326

                  mean:   1.18593
             std. dev:    .45056

           percentiles:        10%       25%       50%       75%       90%
                            .810408   .955906   1.11236   1.33921   1.61769


-------------------------------------------------------------------------------
```

Stata Do-File used to create the Teaching Dataset

```
* 21 May 2019
* CMI, University of Manchester
* QLFS JS2018 Teaching Data Set


use "C:\Work\QLFS_Jul-Sep_2018_original_dataset.dta", clear



keep PWT18 SEX AGE ETHUKEUL MARSTA TEN1 CAMEYR FTPTW JOBTYP CONMPY GRSSWK
HOURPAY EDAGE FTPTWK TTUSHR LIMITK NSECM10 PUBLICR SC10MMJ LIV12W YSTART
SC10SMJ CASENOP INECAC05 NATOX7_EUL_Main URESMC HIQUAL15 HIQUL15D LEVQUL15
AYFL19 AGES SOC10M ILODEFR NOLWM MARDY6 STAT STATR NTNLTY12 CAMEYR HSERIALP
THISWV URESMC JOBTYP MANAGER SECJOB OWNBUS RELBUS LOOK4 LKYT4 START WAIT
LIKEWK YTETJB WRKING


* Gen number of children in household

egen byte numchild04 = sum(AGE<5), by(HSERIALP)
egen byte numchild516 = sum( AGE >=5 & AGE <16), by( HSERIALP )
label variable numchild04  "Number of children aged 0-4"
label variable numchild516 "Number of children aged 5-16"
tab numchild04
tab numchild516
*/

count

*=============================================================================
* Rename, recode and label LFS variables
*=============================================================================


gen fbx=1
replace fbx=-9 if CAMEYR ==-8
replace fbx=0 if CAMEYR ==-9
label variable fbx "whether born outside the UK"
label define fbx 0 "no" 1 "yes" -9 "No answer"
label values fbx fbx
tab fbx


gen arrivalx=.
replace arrivalx=1 if CAMEYR <=1959
replace arrivalx=2 if CAMEYR >=1960 & CAMEYR <=1969
replace arrivalx=3 if CAMEYR >=1970 & CAMEYR <=1979
replace arrivalx=4 if CAMEYR >=1980 & CAMEYR <=1989
replace arrivalx=5 if CAMEYR >=1990 & CAMEYR <=1999
replace arrivalx=6 if CAMEYR >=2000 & CAMEYR <=2009
replace arrivalx=7 if CAMEYR >=2010 & CAMEYR <=2018
replace arrivalx=0 if fb==0
label variable arrivalx "Year of arrival in UK"
```

```
label define arrivalx 1 "pre 1959" 2 "1960-1959" 3 "1970-1979" 4 "1980-
1989" 5 "1990-2000" 6 "2000-2009" 7 "2010-2018"
label values arrivalx arrivalx
tab arrival


gen housex=.
replace housex=1 if TEN1 >=1 & TEN1 <=3
replace housex=2 if TEN1 >=4 & TEN1 <=5
label variable housex "housing tenure"
label define housex 1 "owner/occupier" 2 "rented"
label values housex housex
tab housex


gen bhealthx=0
replace bhealthx=1 if LIMITK ==1
label variable bhealthx "Bad Health that limits paid work"
label define bhealthx 0 "no" 1 "yes"
label values bhealthx bhealthx
tab bhealthx


rename URESMC regionx
recode regionx 1 2 = 1 3/5=2 14/16=3 6=4 12 13=5 7=6 8/10=7 11=8 17=9 18
19=10 20=11
label variable regionx "Region"
label define regionx 1 "North" 2 "Yorkshire" 3 "North West" 4 "East
Midlands" 5 "West Midlands" 6 "East Anglia" 7 "South East" 8 "South West" 9
"Wales" 10 "Scotland" 11 " NI"
label values regionx regionx
tab regionx


gen sexx= SEX -1
notes sexx: 0 male, 1 female
label variable sexx "Sex"
label define sexx 0 "male" 1 "female"
label values sexx sexx
tab sexx


gen marstax= MARSTA
label variable marstax "Marital status"
recode marstax (1=1) (2=2) (6=2) (3/5=3) (7/9=3)
label define marstax 1 "Single, never married" 2 "Married or in civil
partnership, living with spouse" 3 "Divorced or previous civil partnership/
Widowed"
label values marstax marstax
drop MARSTA


gen marcivx = (marsta==2 | marsta==3 | marsta==6 | marsta==7)
recode marcivx .=0
label define marcivx 0 "Not married or in civil partnership" 1
"Married/Civil partner(living with and sep.)"
label values marcivx marcivx
tab marcivx
```

```
label variable marcivx "Whether married/Civil Partner (living with or
separated)"


destring NSECM10, gen(nsecm10x)
recode nsecm10x 1=1 2=2 3.1=3 3.2=4 3.3=5 3.4=6 4.1=7 4.2=8 4.3=9 4.4=10
5.0=11 6.0=12 7.1=13 7.2=14 7.3=15 7.4=16 8.1=17 8.2=18 9.1=19 9.2=20 10=21
11.1=22 11.2=23 12.1=24 12.2=25 12.3=26 12.4=27 12.5=28 12.6=29 12.7=30
13.1=31 13.2=32 13.3=33 13.4=34 13.5=35 14.1=36 14.2=37 15=38 16=39 17=40
label define nsecm10x 1 "1.0 Employers in large organisations" 2 "2.0
Higher managerial occupations" 3 "3.1 Higher professional traditional
employee" 4 "3.2 Higher professional new employee" 5 "3.3 Higher
professional traditional self emp" 6 "3.4 Higher professional new self emp"
7 "4.1 Lower professional traditional employee" 8 "4.2 Lower professional
new employee" 9 "4.3 Lower professional traditional self emp" 10 "4.4 Lower
professional new self emp" 11 "5.0 Lower managerial occupations" 12 "6.0
Higher supervisory occupations" 13 "7.1 Intermediate clerical and
administrative" 14 "7.2 Intermediate sales and service" 15 "7.3
Intermediate technical and auxiliary" 16 "7.4 Intermediate engineering
occupations" 17 "8.1 Employers in small orgs non-professional" 18 "8.2
Employers in small orgs agriculture" 19 "9.1 Own account workers non
professional" 20 "9.2 Own account workers agriculture" 21 "10.0 Lower
supervisory occupations" 22 "11.1 Lower technical craft" 23 "11.2 Lower
technical process operative" 24 "12.1 Semi routine sales" 25 "12.2 Semi
routine services" 26 "12.3 Semi routine technical" 27 "12.4 Semi routine
operative" 28 "12.5 Semi routine agricultural" 29 "12.6 Semi routine
clerical" 30 "12.7 Semi routine childcare" 31 "13.1 Routine sales and
service" 32 "13.2 Routine production" 33 "13.3 Routine technical" 34 "13.4
Routine operative" 35 "13.5 Routine agricultural" 36 "14.1 Never worked" 37
"14.2 Long-term unemployed" 38 "15.0 Full-time students" 39 "16.0 Not
classified or inadequately stated" 40 "17.0 Not classifiable for other
reasons"
label values nsecm10x nsecm10x
label variable nsecm10x "NS-SEC category (SOC2010 based) (with labels)"


gen statusx=INECAC05
recode statusx 1 3=1 2 4=2 5=3 *=4
label define statusx 1 "Employed/Scheme" 2 "Self-employed/unpaid fam" 3
"ILO Unemployed" 4 "Not in Labour Force"
label values statusx statusx
tab statusx
label variable statusx "Economic status"

* Percentage of part time
* Self reported
gen ptimex=.
replace ptimex=0 if statusx==1 | statusx==2
replace ptimex=1 if (statusx==1 | statusx==2) & FTPTWK==2
label variable ptimex "Whether part-time (self-reported)"
label define ptimex 0 "No" 1 "Yes"
label values ptimex ptimex

* Note includes the self employed
* Usual hours definition, part-time is less than 31 hours per week
gen ptimehrs=0
replace ptimehrs=1 if TTUSHR <31 & (statusx==1 | statusx==2)
label variable ptimehrs "Whether part-time (work <31 hours per week)"
label define ptimehrs 0 "No" 1 "Yes"
```

```
label values ptimehrs ptimehrs

gen pwt18x= PWT18 /639.1843
label variable pwt18x "Person weight (mean=1)"

*================================================================================
* Keep if aged 16-65, order variables and save dataset for SPSS version
(missing values -8, -9) and Stata version (missing values .a, .b)
*================================================================================


keep if AGE >=16 & AGE <=65

keep AGE EDAGE bhealthx HIQUAL15 HIQUL15D sexx regionx housex marcivx
GRSSWK HOURPAY JOBTYP CONMPY INECAC05 statusx nsecm10x TTUSHR LEVQUL15
marstax AYFL19 PUBLICR TEN1 AGES LIV12W SOC10M ILODEFR STATR YSTART NOLWM
SC10MMJ PWT18 CASENOP pwt18x NTNLTY12 ETHUKEUL arrivalx fbx HSERIALP ptimex
ptimehrs numchild04 numchild516 JOBTYP MANAGER SECJOB OWNBUS RELBUS LOOK4
LKYT4 START WAIT LIKEWK YTETJB WRKING

compress

order TEN1 housex sexx AGE AGES NTNLTY12 regionx numchild04 numchild516
AYFL19 ETHUKEUL fbx arrivalx marstax LIV12W marcivx INECAC05 statusx
ILODEFR GRSSWK HOURPAY SOC10M SC10MMJ nsecm10x JOBTYP CONMPY ptimex
ptimehrs TTUSHR PUBLICR MANAGER SECJOB YTETJB WRKING OWNBUS RELBUS STATR
LOOK4 LKYT4 START WAIT LIKEWK YSTART NOLWM HIQUAL15 HIQUL15D LEVQUL15 EDAGE
bhealthx CASENOP HSERIALP PWT18 pwt18x


save "C:\Work\QLFS_JS_2018_teach.dta", replace


mvdecode TEN1 housex sexx AGE AGES NTNLTY12 regionx numchild04 numchild516
AYFL19 ETHUKEUL fbx arrivalx marstax LIV12W marcivx INECAC05 statusx
ILODEFR GRSSWK HOURPAY SOC10M SC10MMJ nsecm10x JOBTYP CONMPY ptimex
ptimehrs TTUSHR PUBLICR MANAGER SECJOB YTETJB WRKING OWNBUS RELBUS STATR
LOOK4 LKYT4 START WAIT LIKEWK YSTART NOLWM HIQUAL15 HIQUL15D LEVQUL15 EDAGE
bhealthx CASENOP HSERIALP PWT18 pwt18x , mv(-9=.a \ -8=.b)



savespss "C:\Work\QLFS_JS_2018_teach.sav"


log using "C:\Work\QLFS_JS_2018_teach_log.log", replace

codebook

log close
exit
```