

## Unrestricted Access Teaching Dataset (ONS Opinions Survey, Well-Being Module)

### Introduction and Commentary

Copyright © 2014 John F Hall

[**Draft only**: 22 Aug 2014]

The Unrestricted Access Teaching Dataset ([SN7146](#)) contains a selection of 24 variables from the April 2011 wave (See abstract on [SN 7167](#)) of the ONS Opinions Survey, Well-Being Module, April - August 2011 merged waves ([SN 6893](#)) which in turn is part of the regular [Opinions and Lifestyle Survey](#) run in various guises since 1990 by the Office of National Statistics. All data sets are held and distributed by [UK Data Service](#) (UKDS) at Essex University

The well-being module of the survey includes a number of questions related to personal well-being and to satisfaction / dissatisfaction with life as a whole and with various life domains (eg housing, neighbourhood, health, work) Within each domain questions are also asked about the respondent's own situation (eg health status, tenure, type of work etc.) There are no question numbers as such, but the variable names used in the SPSS files are displayed on the questionnaires (which are in CAPI/CATI format). The subjective measures all begin with **MCZ\_**

#### Extract from user guide

##### **MCZ\_1 to 4**

These are subjective wellbeing questions which are also running on the IHS. These questions are randomised so that respondents will be asked the 4 questions in 1 of 4 different orders.

##### **MCZ\_5 - 7**

Subjective wellbeing questions asking about different areas of peoples' lives.

##### **MCZ\_8 - 15**

Subjective wellbeing questions asking about the local area where the respondent lives. When answering these questions the respondent should consider the local area to be the area within 15-20 minutes walking distance from their home.

##### **MCZ\_16a – 16f**

Subjective wellbeing questions asking about the quality of public services in this country. It is up to the respondent what they consider 'this country' to mean when answering these questions.

##### **MCZ\_17a-17d**

Subjective wellbeing questions asking about how much the respondent personally trusts different institutions in this country. It is up to the respondent what they consider 'this country' to mean when answering these questions.

##### **MCZ\_18-21**

Subjective wellbeing questions asking about different aspects of this country. It is up to the respondent what they consider 'this country' to mean when answering these questions.

Users have unrestricted access to the teaching data set, and also to the user guides for the other surveys, but, to access the data from these and other surveys, you must be a [registered user](#) with UKDS.

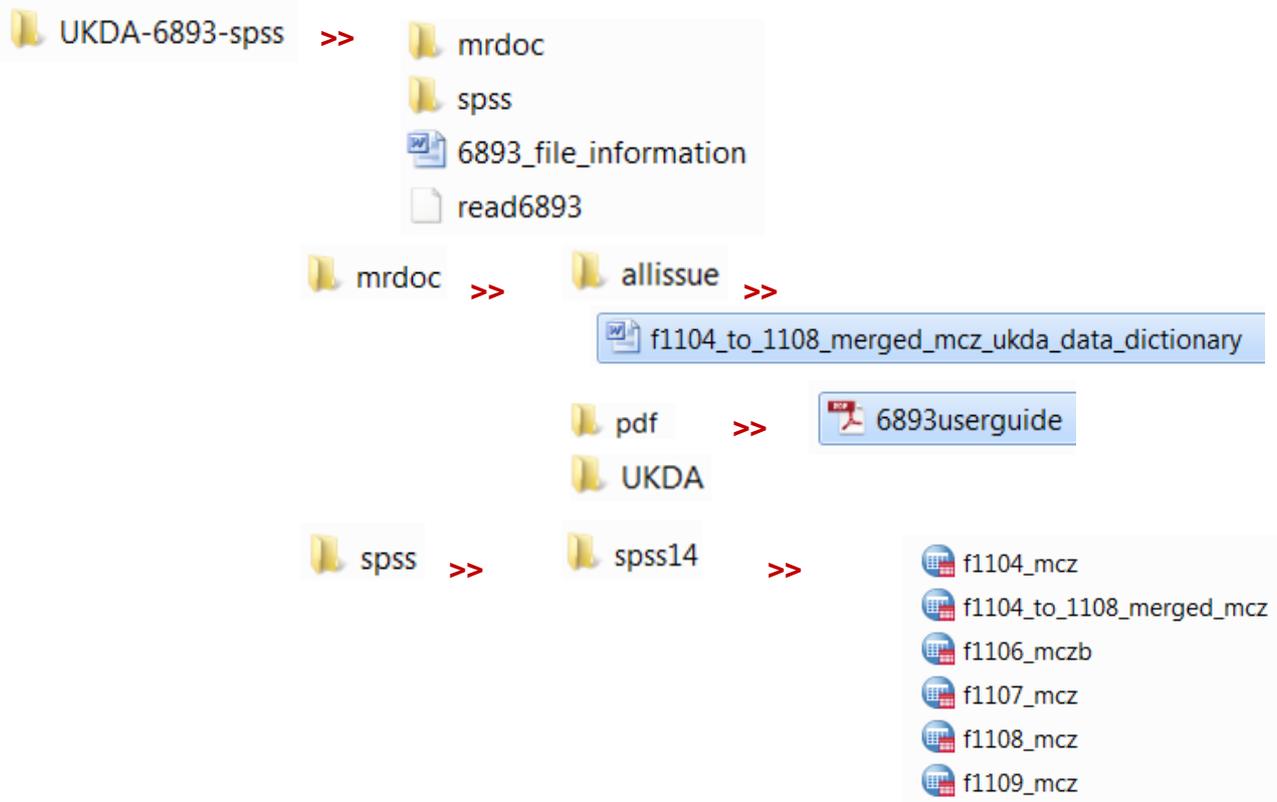
Wave	UKDS SN	Cases	Variables	File name
April – August 2011	<a href="#">SN 6893</a>	4618	112	f1104_to_1108_merged_mcz.sav
April 2011 only	<a href="#">SN 7167</a>	1124	115	f1104_mcz.sav
<b>Teaching data set</b>	<a href="#">SN 7146</a>	1124	24	<b>opn_teaching_data_set.sav</b>
September 2011	<a href="#">SN 7171</a>	1117	139	f1109_mcz.sav

## April – August 2011

UKDS distributes the SPSS version of the April-August 2011 merged file [SN 6893](#) in a zip folder:

 6893SPSS\_8E10BEBDD6ED8FEDC77DC266804748E3

the contents of which are:



The [user guide](#) contains technical information about the survey and also the variable name, question wording and the coding system used for the response categories.

### QHealth

How is your health in general?

- 1 Very good
- 2 Good
- 3 Fair
- 4 Bad
- 5 Very bad
- 8 Refused
- 9 Don't know

 f1104\_to\_1108\_merged\_mcz\_ukda\_data\_dictionary has a more detailed display:

**Pos. = 76**      **Variable = QHealth**      **Variable label = How is your health in general?**

This variable is *numeric*, the SPSS measurement level is *scale*.

SPSS user missing values = 8 and 9

Value label information for QHealth

Value = 1	Label = Very good
Value = 2	Label = Good
Value = 3	Label = Fair
Value = 4	Label = Bad
Value = 5	Label = Very bad
Value = 8	Label = Refusal
Value = 9	Label = Don't Know

For the combined April to August waves ([SN 6893](#)) the only subjective variables included in file

 [f1104\\_to\\_1108\\_merged\\_mcz](#) are the four being tested by ONS:

Name	Question
MCZ_1	Overall, how satisfied are you with your life nowadays? Where nought is 'not at all satisfied' and 10 is 'completely satisfied'.
MCZ_2	Overall, to what extent do you feel that the things you do in your life are worthwhile? Where nought is 'not at all worthwhile' and 10 is 'completely worthwhile'.
MCZ_3	Overall, how happy did you feel yesterday? Where nought is 'not at all happy' and 10 is 'completely happy'.
MCZ_4	On a scale where nought is 'not at all anxious' and 10 is 'completely anxious', overall, how anxious did you feel yesterday?

### April 2011 only

The data for April 2011 only ([SN 7167](#)) are in file  [f1104\\_mcz](#) This file has eight additional subjective measures:

MCZ\_5a to MCZ\_5h

Overall, how satisfied are you with [domain] nowadays?  
Where nought is 'not at all satisfied' and 10 is 'completely satisfied'

Name	Domain
MCZ_5a	. . your personal relationships
MCZ_5b	. . your physical health
MCZ_5c	. . your mental well-being
MCZ_5d	. . your work situation
MCZ_5e	. . your financial situation
MCZ_5f	. . the area where you live
MCZ_5g	. . the amount of time you have to do things you like doing
MCZ_5h	. . the wellbeing of your child/children

In addition to these subjective measures there are questions about the respondent's actual situation regarding work, health, family etc. The questions regarding work (or seeking work) and household composition are particularly detailed. It must be remembered that the ONS surveys are not designed for academic research or for teaching students in the social sciences, but are commissioned by government departments who are the main clients for the survey.

## Teaching data set (April 2011)

The teaching data set ([SN 7146](#)) contains all 12 of the above subjective measures, but very few of the background variables.

Name	Question/Label
QHealthr	How is your health in general
RSEX	Sex of Respondent
AGEX	Grouped age
marstat3r	Marital status 3 cat. (recoded)
highed4	What is the highest level of qualification?
Ethnicity2r	Ethnicity White/Other (recoded)
DVIL03a	DV for ILO in employment - 3 categories
FtPtWk	Full or part time work?
NSECAC3	NS-SEC 3 categories
GorA	Government Office Region

This data set would be considerably enriched if there were more intra-domain background variables included. There seems little point in having subjective measures of satisfaction with health, job or income without also having measures of actual health, type of work or level of income. Such variables could easily be added to the teaching set without any risk of disclosure.

However, although there are the same number of cases (1124) in the teaching data set as in the full April set they are **not in the same case order**. These means that variables from the full April file cannot be copied into the teaching file: a new data set will have to be created by selecting out the subjective measures above together with a larger set of background variables.

At the very least the additional variables should include:

Name	Question/Label
TENgrp	Grouped Tenure
RAGE	Respondent's age
EdAgeCor	How old were you when you finished full time education?
LSIll	Have any long-standing illness, disability or infirmity?
IllLim	Does this illness or disability limit your activities in any way?
Stat	Working as an employee or self-employed?
sumgross	Gross Annual Income

Other classification variables have more categories for level of work, education etc and could be substituted for those with fewer categories in the teaching set.

## September 2011

The September 2011 wave ([SN 7171](#)) carries an additional set of subjective questions, none of which are in the data sets listed above (but far more interesting for measuring personal well-being):

### Personal

- MCZ\_6 To what extent do you feel that you have anyone to discuss personal matters with?  
MCZ\_7 To what extent do you feel you have any relatives, friends or neighbours that you can ask for help?

### Local area

- MCZ\_8 Overall, how satisfied are you with the local area where you live?  
MCZ\_9 To what extent do you feel that you are involved in the local area where you live?  
MCZ\_10 To what extent do you feel you belong in the local area where you live ?  
MCZ\_11 To what extent feel local area is place where people from different backgrounds get on well together?  
MCZ\_12 To what extent do you feel you can influence local decisions?  
MCZ\_13 To what extent do you feel people in this local area pull together to improve the neighbourhood?  
MCZ\_14 How satisfied with public gardens, parks, commons, other green spaces in local area where you live?  
MCZ\_15 How safe would you feel walking alone in this local area after dark?

### Public services

- MCZ\_16a In general, how would you rate the quality of public health services in this country?  
MCZ\_16b In general, how would you rate the quality of the state education system (in this country)?  
MCZ\_16c In general, how would you rate the quality of public transport (in this country)?  
MCZ\_16d In general, how would you rate the quality of state childcare services (in this country)?  
MCZ\_16e In general, how would you rate the quality of care services for the elderly (in this country)?  
MCZ\_16f In general, how would you rate the quality of the state pension system (in this country)?

### Trust

- MCZ\_5 To what extent do you feel most people can be trusted?  
MCZ\_17a How much do you personally trust the legal system in this country?  
MCZ\_17b How much do you personally trust the police (in this country)?  
MCZ\_17c How much do you personally trust the media (in this country)?  
MCZ\_17d How much do you personally trust the political system (in this country)?

### This country

- MCZ\_18 To what extent do you feel informed about new and current affairs affecting this country?  
MCZ\_19 How satisfied are you with living in this country?  
MCZ\_20 How optimistic are you about the future of this country?  
MCZ\_21 Over next 12 months, think overall situation of this country will get better, stay the same, get worse?

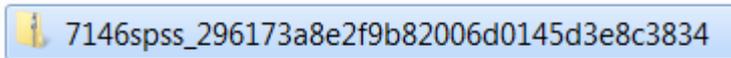
[ONS Opinions Survey, Well-Being Module, April 2011: Unrestricted Access Teaching Dataset \(SN7146\)](#)

**Extract from [user guide](#)**

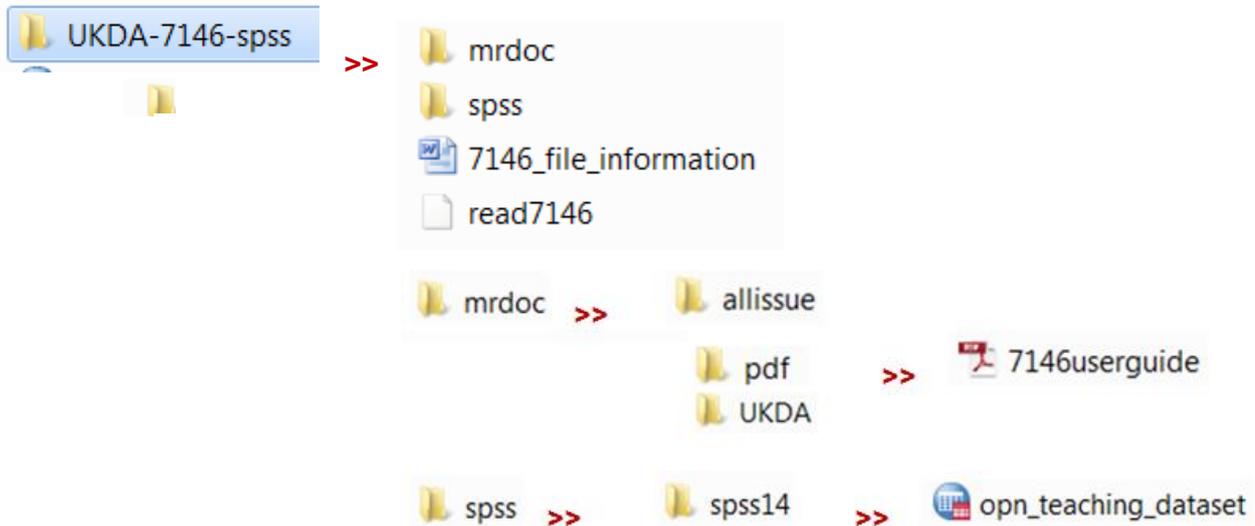
"The OPN, Well-Being Module, April 2011: Unlimited Access Teaching Dataset contains 24 variables; 13 well-being questions and some standard socio-demographic variables. The variables have been chosen to enable new users to explore the data and apply some basic data reduction techniques such as Principal Component Analysis or Factor Analysis.

Details of the variables selected for the Unrestricted Access Teaching Dataset are given below, including a data dictionary which lists information about variable names, values, labels, missing values and frequency. The name of the variables and their labels remain the same or very close to the original OPN dataset. However, due to concerns about statistical disclosure, some variables have been recoded and their level of detail reduced. Variables that differ from the original OPN have been suffixed "r". The syntax for how these variables were recoded is in Appendix II. In addition, a new ID variable was created in order to avoid linking the Unrestricted Access Teaching Dataset with the original dataset. The wording of the questions on the well-being module is listed in Appendix III. A copy of the questionnaire showing the exact question wording can be found on the ESDS webpage"

UKDS distributes the SPSS version of the file in a zip folder:

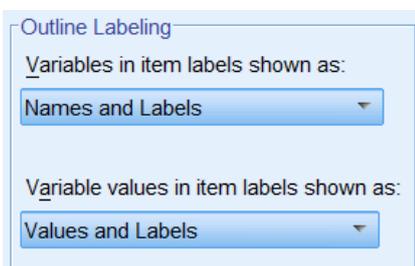


the contents of which are:



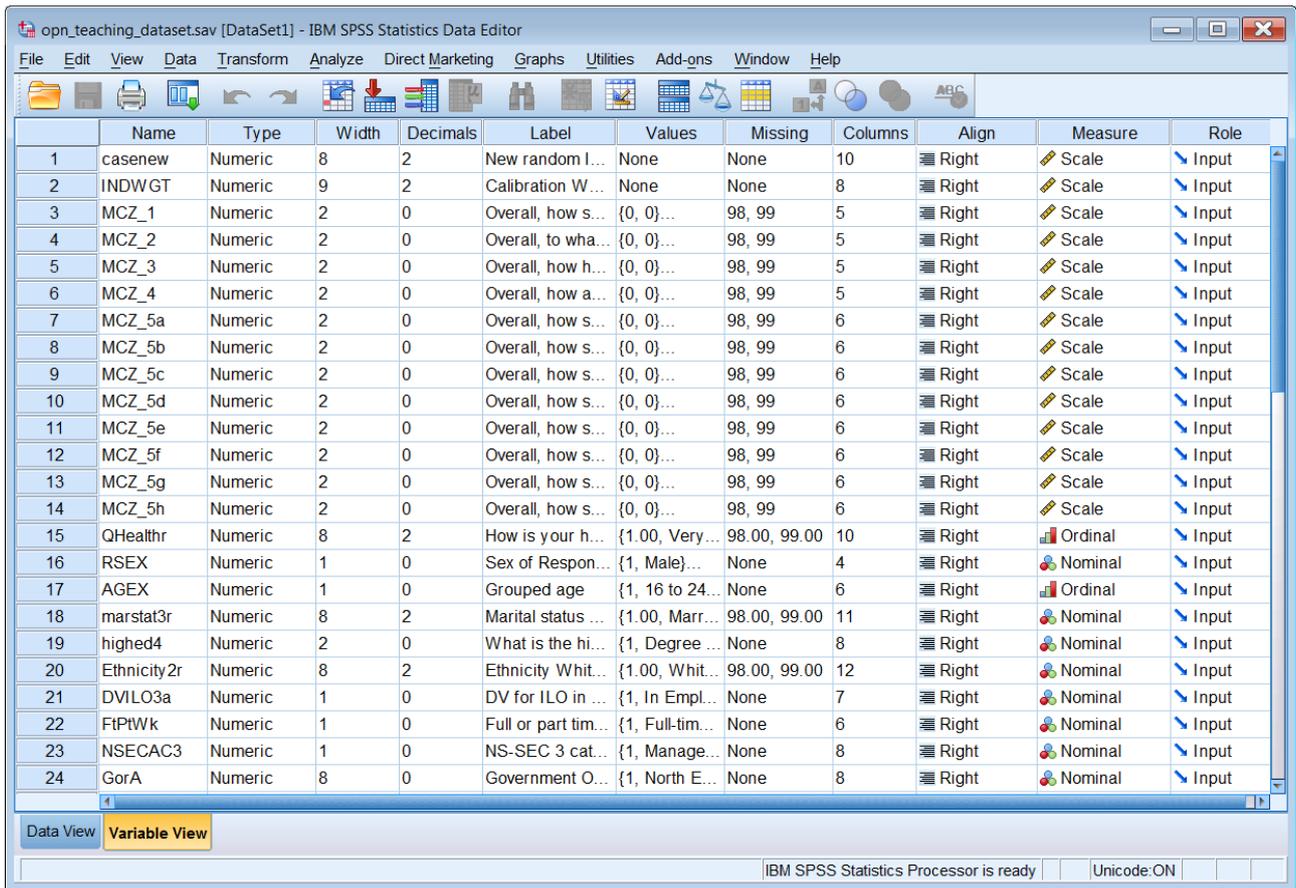
The key files you need are 7146userguide and the SPSS saved file opn\_teaching\_dataset

As received the output options are set to display **Names and labels** for variables, and to **Values and Labels** for values



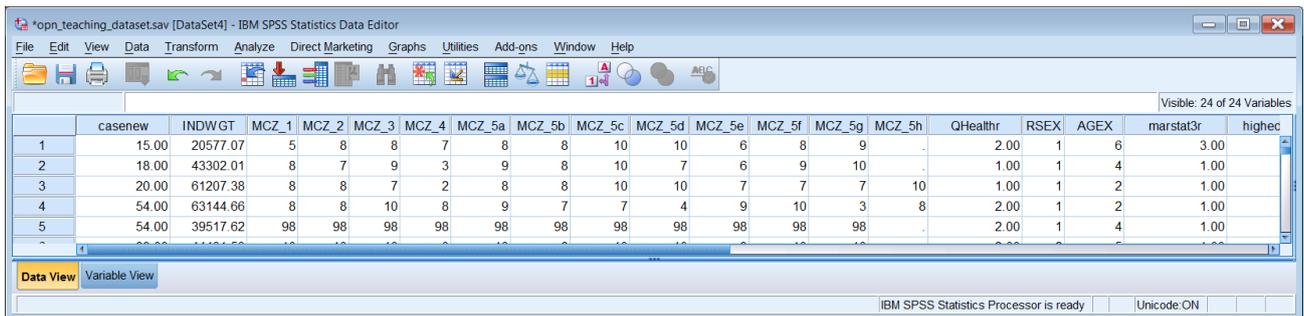
For exploring the file in relation to the questionnaire it is useful to have both, but for publication of less cluttered tables and charts in reports etc., they can be changed to **Labels** using **Edit >> Options >> Output**

Distributed SPSS file  `opn_teaching_dataset` when first opened in **Variable View** has 24 variables: selected from the full April 2011 file:



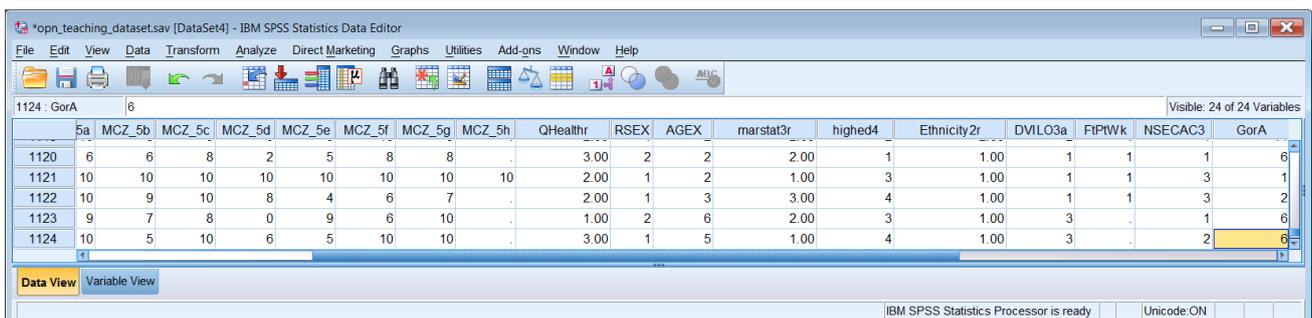
	Name	Type	Width	Decimals	Label	Values	Missing	Columns	Align	Measure	Role
1	casenew	Numeric	8	2	New random I...	None	None	10	Right	Scale	Input
2	INDWGT	Numeric	9	2	Calibration W...	None	None	8	Right	Scale	Input
3	MCZ_1	Numeric	2	0	Overall, how s...	{0, 0}...	98, 99	5	Right	Scale	Input
4	MCZ_2	Numeric	2	0	Overall, to wha...	{0, 0}...	98, 99	5	Right	Scale	Input
5	MCZ_3	Numeric	2	0	Overall, how h...	{0, 0}...	98, 99	5	Right	Scale	Input
6	MCZ_4	Numeric	2	0	Overall, how a...	{0, 0}...	98, 99	5	Right	Scale	Input
7	MCZ_5a	Numeric	2	0	Overall, how s...	{0, 0}...	98, 99	6	Right	Scale	Input
8	MCZ_5b	Numeric	2	0	Overall, how s...	{0, 0}...	98, 99	6	Right	Scale	Input
9	MCZ_5c	Numeric	2	0	Overall, how s...	{0, 0}...	98, 99	6	Right	Scale	Input
10	MCZ_5d	Numeric	2	0	Overall, how s...	{0, 0}...	98, 99	6	Right	Scale	Input
11	MCZ_5e	Numeric	2	0	Overall, how s...	{0, 0}...	98, 99	6	Right	Scale	Input
12	MCZ_5f	Numeric	2	0	Overall, how s...	{0, 0}...	98, 99	6	Right	Scale	Input
13	MCZ_5g	Numeric	2	0	Overall, how s...	{0, 0}...	98, 99	6	Right	Scale	Input
14	MCZ_5h	Numeric	2	0	Overall, how s...	{0, 0}...	98, 99	6	Right	Scale	Input
15	QHealthr	Numeric	8	2	How is your h...	{1.00, Very...	98.00, 99.00	10	Right	Ordinal	Input
16	RSEX	Numeric	1	0	Sex of Respon...	{1, Male}...	None	4	Right	Nominal	Input
17	AGEX	Numeric	1	0	Grouped age	{1, 16 to 24...	None	6	Right	Ordinal	Input
18	marstat3r	Numeric	8	2	Marital status ...	{1.00, Marr...	98.00, 99.00	11	Right	Nominal	Input
19	highed4	Numeric	2	0	What is the hi...	{1, Degree ...	None	8	Right	Nominal	Input
20	Ethnicity2r	Numeric	8	2	Ethnicity Whit...	{1.00, Whit...	98.00, 99.00	12	Right	Nominal	Input
21	DVIL03a	Numeric	1	0	DV for ILO in ...	{1, In Empl...	None	7	Right	Nominal	Input
22	FIPWk	Numeric	1	0	Full or part tim...	{1, Full-tim...	None	6	Right	Nominal	Input
23	NSECAC3	Numeric	1	0	NS-SEC 3 cat...	{1, Manage...	None	8	Right	Nominal	Input
24	GorA	Numeric	8	0	Government O...	{1, North E...	None	8	Right	Nominal	Input

.. and 1124 cases. Switch to **Data View**:



	casenew	INDWGT	MCZ_1	MCZ_2	MCZ_3	MCZ_4	MCZ_5a	MCZ_5b	MCZ_5c	MCZ_5d	MCZ_5e	MCZ_5f	MCZ_5g	MCZ_5h	QHealthr	RSEX	AGEX	marstat3r	highed4
1	15.00	20577.07	5	8	8	7	8	8	10	10	6	8	9	10	2.00	1	6	3.00	1.00
2	18.00	43302.01	8	7	9	3	9	8	10	7	6	9	10	.	1.00	1	4	1.00	1.00
3	20.00	61207.38	8	8	7	2	8	8	10	10	7	7	7	10	1.00	1	2	1.00	1.00
4	54.00	63144.66	8	8	10	8	9	7	7	4	9	10	3	8	2.00	1	2	1.00	1.00
5	54.00	39517.62	98	98	98	98	98	98	98	98	98	98	98	.	2.00	1	4	1.00	1.00

**Ctrl+End**



	5a	MCZ_5b	MCZ_5c	MCZ_5d	MCZ_5e	MCZ_5f	MCZ_5g	MCZ_5h	QHealthr	RSEX	AGEX	marstat3r	highed4	Ethnicity2r	DVIL03a	FIPWk	NSECAC3	GorA
1120	6	6	8	2	5	8	8	.	3.00	2	2	2.00	1	1	1	1	1	6
1121	10	10	10	10	10	10	10	10	2.00	1	2	1.00	3	1.00	1	1	3	1
1122	10	9	10	8	4	6	7	.	2.00	1	3	3.00	4	1.00	1	1	3	2
1123	9	7	8	0	9	6	10	.	1.00	2	6	2.00	3	1.00	3	.	1	6
1124	10	5	10	6	5	10	10	.	3.00	1	5	1.00	4	1.00	3	.	2	6



This produces a narrow table in the **Viewer** which needs to be modified by double clicking on it to get a **Pivot table**:

**Initial output**

Variable Labels		
Variable	Position	Label
casenew	1	New random ID number
INDWGT	2	Calibration Weight
MCZ_1	3	Overall, how satisfied are you with your life nowadays?
MCZ_2	4	Overall, to what extent feel things you do in your life are worthwhile?
MCZ_3	5	Overall, how happy did you feel yesterday?
MCZ_4	6	Overall, how anxious did you feel yesterday?
MCZ_5a	7	Overall, how satisfied are you with your personal relationships?

**Pivot table**

Variable Labels		
Variable	Position	Label
casenew	1	New random ID number
INDWGT	2	Calibration Weight
MCZ_1	3	Overall, how satisfied are you with your life nowadays?
MCZ_2	4	Overall, to what extent feel things you do in your life are worthwhile?
MCZ_3	5	Overall, how happy did you feel yesterday?
MCZ_4	6	Overall, how anxious did you feel yesterday?
MCZ_5a	7	Overall, how satisfied are you with your personal relationships?

Drag the right edge of the pivot table out until you get all the labels on a single line:

Variable Labels		
Variable	Position	Label
casenew	1	New random ID number
INDWGT	2	Calibration Weight
MCZ_1	3	Overall, how satisfied are you with your life nowadays?
MCZ_2	4	Overall, to what extent feel things you do in your life are worthwhile?
MCZ_3	5	Overall, how happy did you feel yesterday?
MCZ_4	6	Overall, how anxious did you feel yesterday?
MCZ_5a	7	Overall, how satisfied are you with your personal relationships?
MCZ_5b	8	Overall, how satisfied are you with your physical health?
MCZ_5c	9	Overall, how satisfied are you with your mental wellbeing?
MCZ_5d	10	Overall, how satisfied are you with your work situation?
MCZ_5e	11	Overall, how satisfied are you with your financial situation?
MCZ_5f	12	Overall, how satisfied are you with the area where you live?
MCZ_5g	13	Overall, how satisfied with amount of time have to do things like doing?
MCZ_5h	14	Overall, how satisfied are you with the wellbeing of your child/children?
QHealthr	15	How is your health in general
RSEX	16	Sex of Respondent
AGEX	17	Grouped age
marstat3r	18	Marital status 3 cat. (recoded)
hghed4	19	What is the highest level of qualification?
Ethnicity2r	20	Ethnicity White/Other (recoded)
DVIL03a	21	DV for ILO in employment - 3 categories
FIPWk	22	Full or part time work?
NSECAC3	23	NS-SEC 3 categories
GorA	24	Government Office Region

Variables in the working file

Closing the Pivot table leaves a (double-spaced) table in the **Viewer** which can then be copied and pasted into Word, and modified to single spacing as below:

**Variable Labels**

Variable	Position	Label
casenew	1	New random ID number
INDWGT	2	Calibration Weight
MCZ_1	3	Overall, how satisfied are you with your life nowadays?
MCZ_2	4	Overall, to what extent feel things you do in your life are worthwhile?
MCZ_3	5	Overall, how happy did you feel yesterday?
MCZ_4	6	Overall, how anxious did you feel yesterday?
MCZ_5a	7	Overall, how satisfied are you with your personal relationships?
MCZ_5b	8	Overall, how satisfied are you with your physical health?
MCZ_5c	9	Overall, how satisfied are you with your mental wellbeing?
MCZ_5d	10	Overall, how satisfied are you with your work situation?
MCZ_5e	11	Overall, how satisfied are you with your financial situation?
MCZ_5f	12	Overall, how satisfied are you with the area where you live?
MCZ_5g	13	Overall, how satisfied with amount of time have to do things like doing?
MCZ_5h	14	Overall, how satisfied are you with the wellbeing of your child/children?
QHealthr	15	How is your health in general
RSEX	16	Sex of Respondent
AGEX	17	Grouped age
marstat3r	18	Marital status 3 cat. (recoded)
highed4	19	What is the highest level of qualification?
Ethnicity2r	20	Ethnicity White/Other (recoded)
DVIL03a	21	DV for ILO in employment - 3 categories
FtPtWk	22	Full or part time work?
NSECAC3	23	NS-SEC 3 categories
GorA	24	Government Office Region

Variables in the working file

**Golden rule:**

Never change an original file! Always make a copy and edit that:

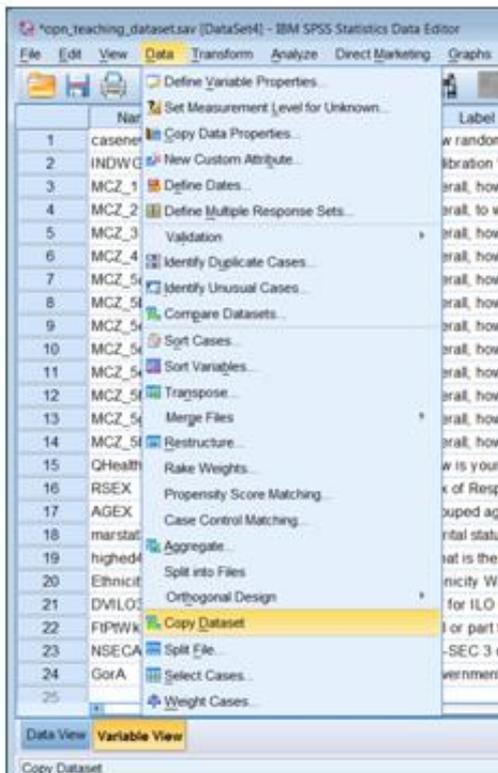
**Make a copy** of the data set before doing any further analysis or making any changes:

There are two ways to do this:

### Method 1

**Data >> Copy Dataset**

A new **Data Editor** is created containing a copy of the data, with the next available **Untitled** name, in this case **\*Untitled2**:



The screenshot shows the 'Data Editor' window for a new dataset named '\*Untitled2 [DataSet5]'. It displays a list of variables with their names, types, widths, and decimal places.

	Name	Type	Width	Decimals	Label
1	casenew	Numeric	8	2	New random I...
2	INDWGT	Numeric	9	2	Calibration W...
3	MCZ_1	Numeric	2	0	Overall, how s...
4	MCZ_2	Numeric	2	0	Overall, to wha...
5	MCZ_3	Numeric	2	0	Overall, how h...
6	MCZ_4	Numeric	2	0	Overall, how a...
7	MCZ_5a	Numeric	2	0	Overall, how s...
8	MCZ_5b	Numeric	2	0	Overall, how s...
9	MCZ_5c	Numeric	2	0	Overall, how s...
10	MCZ_5d	Numeric	2	0	Overall, how s...
11	MCZ_5e	Numeric	2	0	Overall, how s...
12	MCZ_5f	Numeric	2	0	Overall, how s...
13	MCZ_5g	Numeric	2	0	Overall, how s...
14	MCZ_5h	Numeric	2	0	Overall, how s...

The screenshot shows the 'Data Editor' window for '\*Untitled2 [DataSet5]'. It displays a list of variables, showing the first two: 'casenew' and 'INDWGT'.

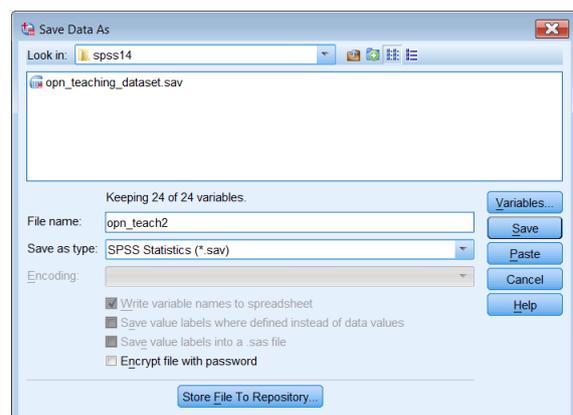
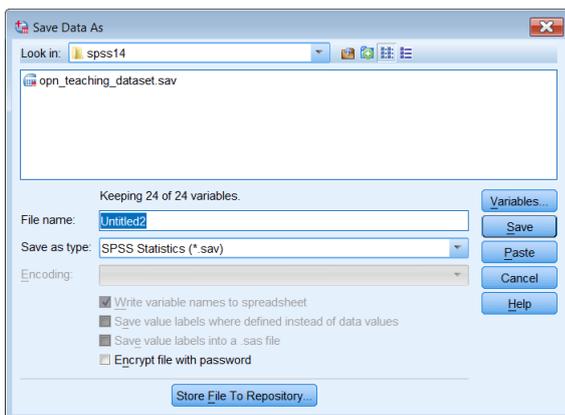
	Name	Type	Width	Decimals
1	casenew	Numeric	8	2
2	INDWGT	Numeric	9	2

You can continue working with **\*Untitled2** or save the file with a memorable name:

**File >> Save As**

Change **Untitled2** to . . .

**opn\_teach2** (or whatever)



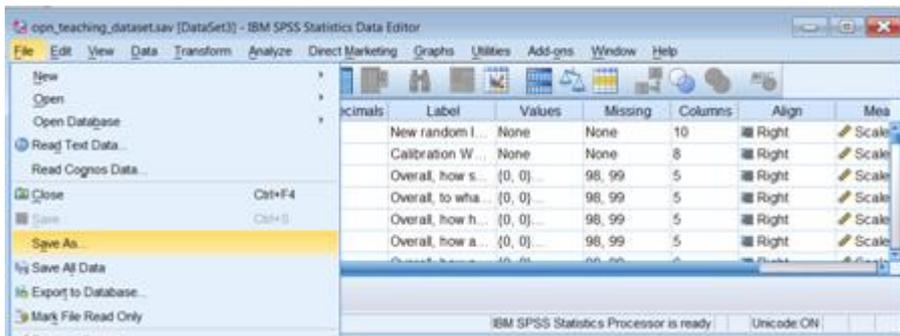
Click on **Save**

	Name	Type	Width	Decimals
1	casenew	Numeric	8	2
2	INDWGT	Numeric	9	2
3	MCZ_1	Numeric	2	0

. . and proceed to work with this file.

## Method 2

File >> Save as

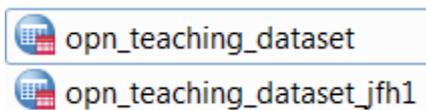


File name:

Change the file name (in my case by adding an underscore \_ my initials **jfh** and edition number **1**)

File name:

Click on  and the copy will appear in the folder you are working from.



Use the copy for all future work: do **NOT** work on the original !!

It doesn't matter which method you use, but I generally use method 2.

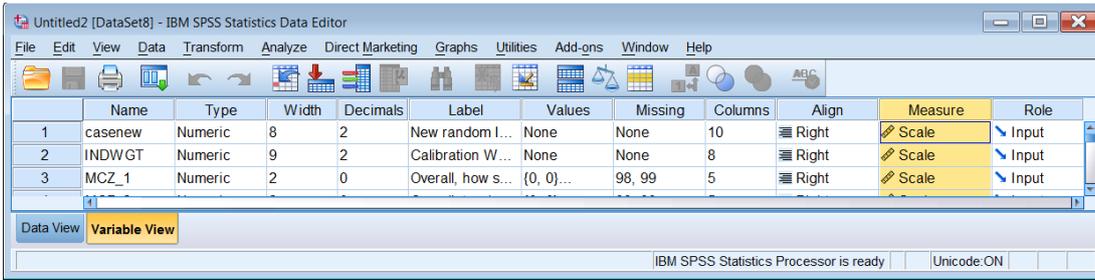
I also prefer to change the order of the columns in **Variable View** so that the more important columns are moved to the left. I prefer to work with **Name, Measure, Label, Values, Missing** and **Decimals** (in that order) to the left of the **Data Editor** and all other attributes moved to the right or not displayed at all. You can modify the **Data Editor** to display variable attributes in a different order or even hide them.

Again, there are two ways to do this.

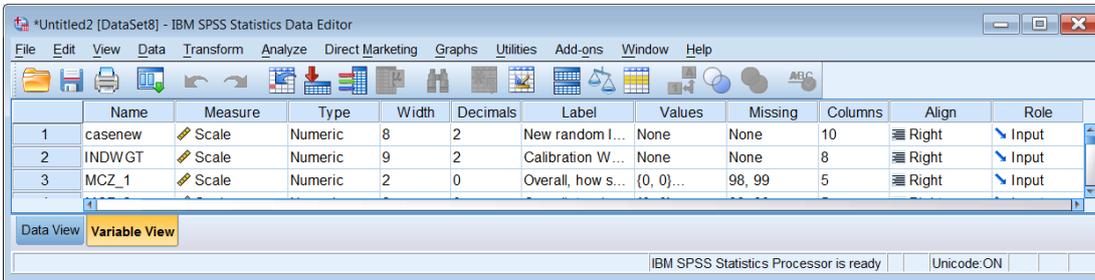
## Method 1

Click on the column header to highlight the column you want to move, then hold the left mouse down over the header and drag the column to a new position ( a thin red line will indicate where the new position will be). For example, to move the **Measure** column:

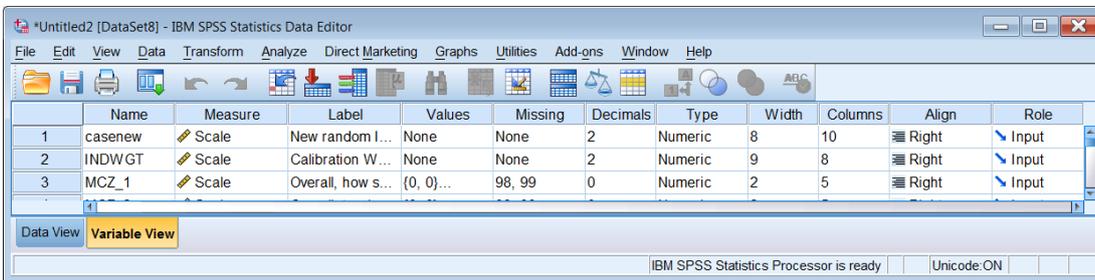
Click on **Measure**



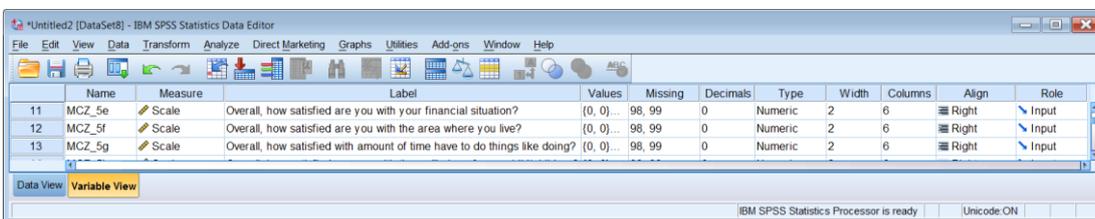
Click and hold left mouse down on **Measure** and drag the whole column to just after **Name**:



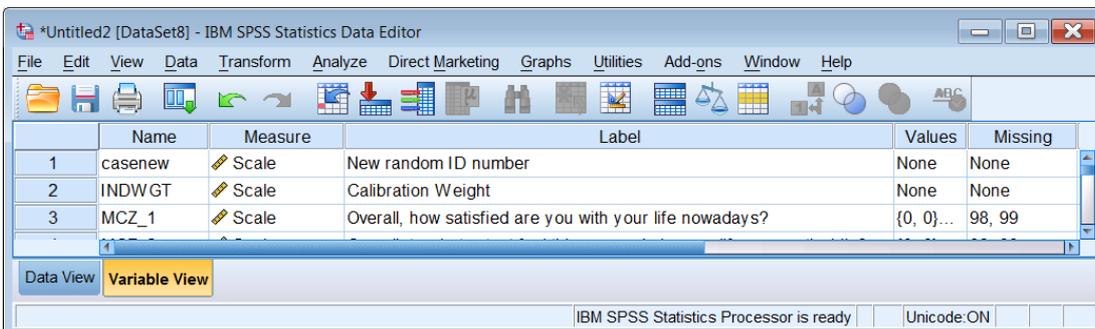
Repeat the process with **Label, Values, Missing** and **Decimals**



You can't read the contents of **Labels**, so drag the column separators out to see the full text of the longest label:

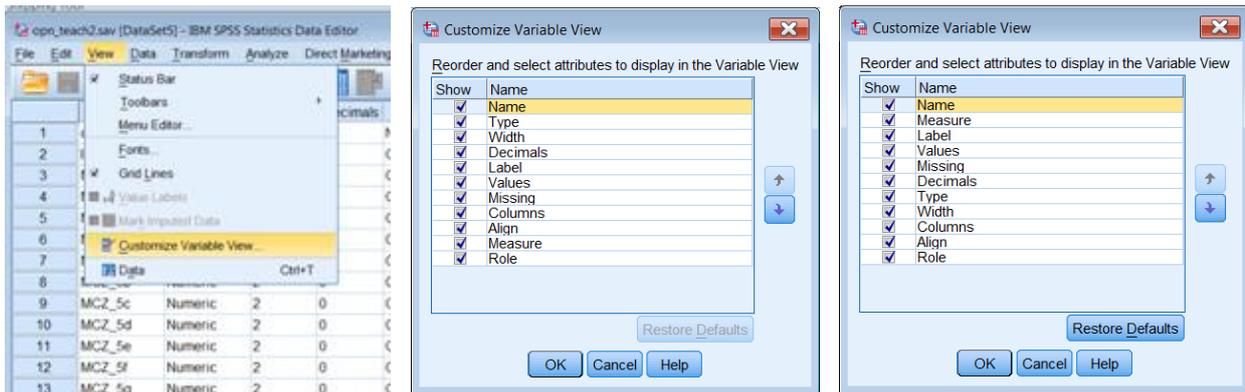


At this stage you don't really need **Type, Width, Columns, Align** or **Role** so you can drag the right edge of the **Data Editor** inwards to display only the important columns:

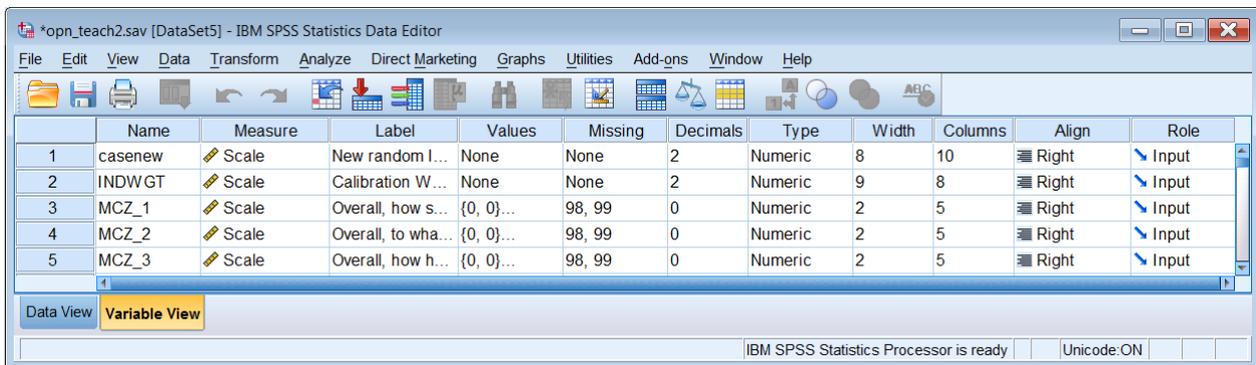


## Method 2

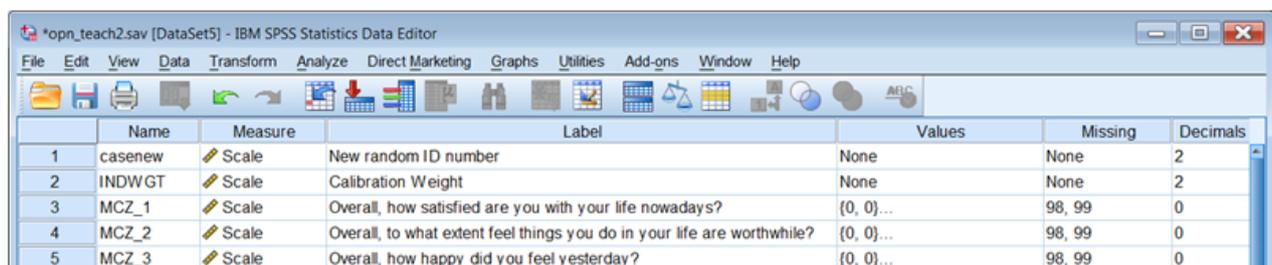
### View >> Customise Variable View



In the 2<sup>nd</sup> pane above you can move the attributes up or down the precedence order by clicking on the blue arrows on the right (the new order appears in the pane) and hide them by un-checking the boxes on the left. However, these new settings will apply to every SPSS file you open, so best not to hide anything until you're absolutely sure.



You need to drag the margins out again, but you don't really need **Type**, **Width**, **Columns**, **Align** or **Role**, so you bring the right margin in to hide them:



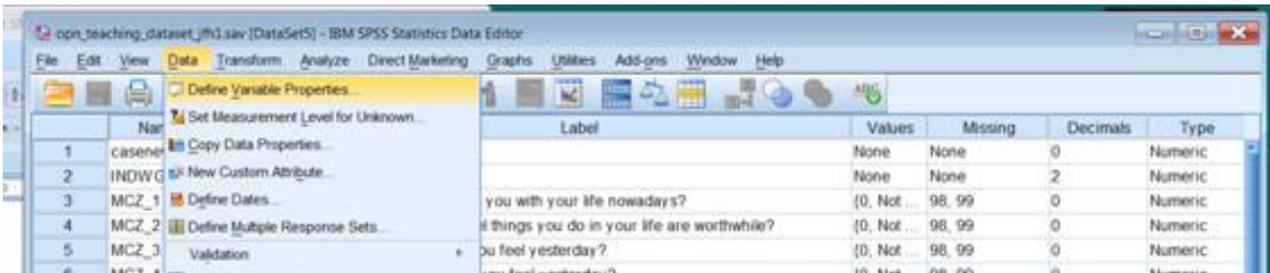
In the following pages I have saved the modified file as **opn\_teaching\_dataset\_jfh1.sav**

	Name	Measure	Label	Values	Missing	Decimals	Type	Width	Columns	Align	Role
1	casenew	Scale	New ran...	None	None	2	Numeric	8	10	Right	Input
2	INDWGT	Scale	Calibrati...	None	None	2	Numeric	9	8	Right	Input
3	MCZ_1	Scale	Overall, ...	{0, 0}...	98, 99	0	Numeric	2	5	Right	Input
4	MCZ_2	Scale	Overall, ...	{0, 0}...	98, 99	0	Numeric	2	5	Right	Input
5	MCZ_3	Scale	Overall, ...	{0, 0}...	98, 99	0	Numeric	2	5	Right	Input
6	MCZ_4	Scale	Overall, ...	{0, 0}...	98, 99	0	Numeric	2	5	Right	Input
7	MCZ_5a	Scale	Overall, ...	{0, 0}...	98, 99	0	Numeric	2	6	Right	Input
8	MCZ_5b	Scale	Overall, ...	{0, 0}...	98, 99	0	Numeric	2	6	Right	Input
9	MCZ_5c	Scale	Overall, ...	{0, 0}...	98, 99	0	Numeric	2	6	Right	Input
10	MCZ_5d	Scale	Overall, ...	{0, 0}...	98, 99	0	Numeric	2	6	Right	Input
11	MCZ_5e	Scale	Overall, ...	{0, 0}...	98, 99	0	Numeric	2	6	Right	Input
12	MCZ_5f	Scale	Overall, ...	{0, 0}...	98, 99	0	Numeric	2	6	Right	Input
13	MCZ_5g	Scale	Overall, ...	{0, 0}...	98, 99	0	Numeric	2	6	Right	Input
14	MCZ_5h	Scale	Overall, ...	{0, 0}...	98, 99	0	Numeric	2	6	Right	Input
15	QHealthr	Ordinal	How is ...	{1.00, V...	98.00, 99.00	2	Numeric	8	10	Right	Input
16	RSEX	Nominal	Sex of ...	{1, Male...	None	0	Numeric	1	4	Right	Input
17	AGEX	Ordinal	Grouped...	{1, 16 t...	None	0	Numeric	1	6	Right	Input
18	marstat3r	Nominal	Marital ...	{1.00, ...	98.00, 99.00	2	Numeric	8	11	Right	Input
19	hghed4	Nominal	What is ...	{1, Deg...	None	0	Numeric	2	8	Right	Input
20	Ethnicity2r	Nominal	Ethnicit...	{1.00, ...	98.00, 99.00	2	Numeric	8	12	Right	Input
21	DVLO3a	Nominal	DV for l...	{1, In E...	None	0	Numeric	1	7	Right	Input
22	FIPWk	Nominal	Full or p...	{1, Full-t...	None	0	Numeric	1	6	Right	Input
23	NSECAC3	Nominal	NS-SE...	{1, Man...	None	0	Numeric	1	8	Right	Input
24	GorA	Nominal	Govern...	{1, Nort...	None	0	Numeric	8	8	Right	Input

Widen **Label** and **Values** by dragging the column separators until you can see full contents:

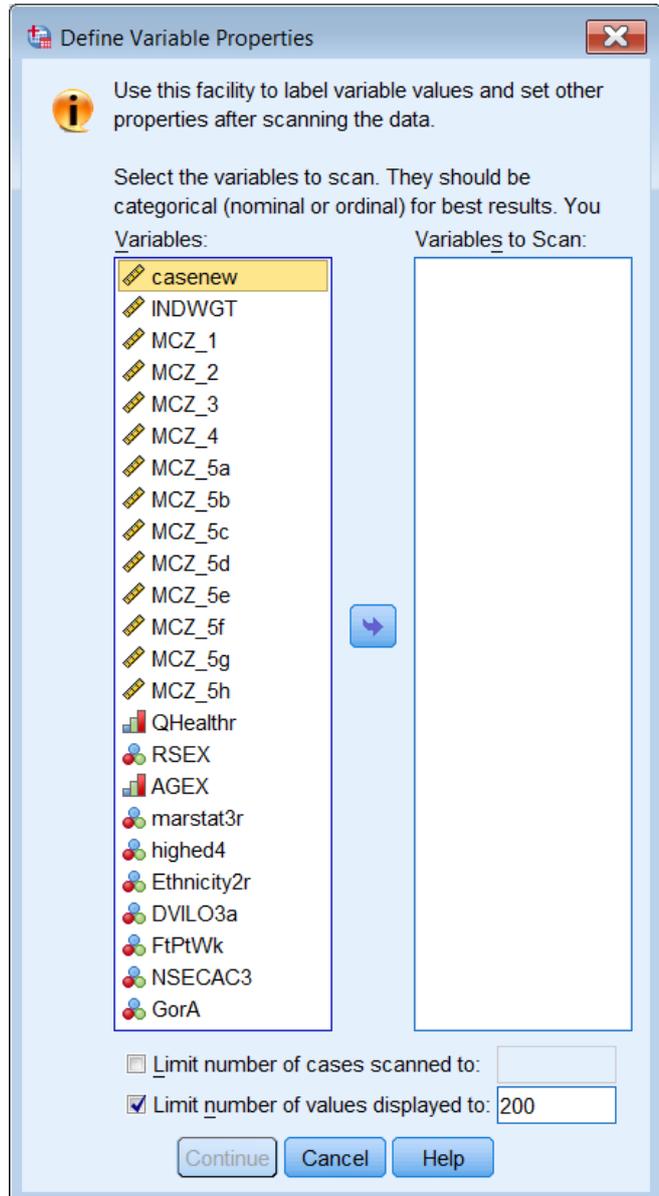
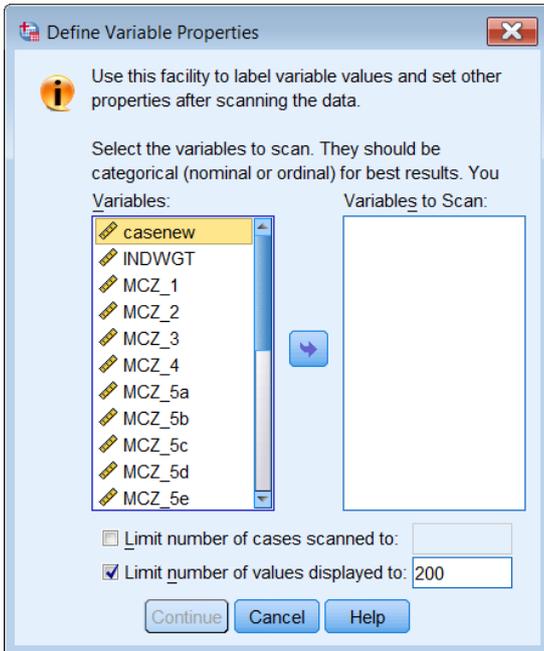
	Name	Measure	Label	Values	Missing	Decimals
1	casenew	Scale	New random ID number	None	None	2
2	INDWGT	Scale	Calibration Weight	None	None	2
3	MCZ_1	Scale	Overall, how satisfied are you with your life nowadays?	{0, 0}...	98, 99	0
4	MCZ_2	Scale	Overall, to what extent feel things you do in your life are worthwhile?	{0, 0}...	98, 99	0
5	MCZ_3	Scale	Overall, how happy did you feel yesterday?	{0, 0}...	98, 99	0
6	MCZ_4	Scale	Overall, how anxious did you feel yesterday?	{0, 0}...	98, 99	0
7	MCZ_5a	Scale	Overall, how satisfied are you with your personal relationships?	{0, 0}...	98, 99	0
8	MCZ_5b	Scale	Overall, how satisfied are you with your physical health?	{0, 0}...	98, 99	0
9	MCZ_5c	Scale	Overall, how satisfied are you with your mental wellbeing?	{0, 0}...	98, 99	0
10	MCZ_5d	Scale	Overall, how satisfied are you with your work situation?	{0, 0}...	98, 99	0
11	MCZ_5e	Scale	Overall, how satisfied are you with your financial situation?	{0, 0}...	98, 99	0
12	MCZ_5f	Scale	Overall, how satisfied are you with the area where you live?	{0, 0}...	98, 99	0
13	MCZ_5g	Scale	Overall, how satisfied with amount of time have to do things like doing?	{0, 0}...	98, 99	0
14	MCZ_5h	Scale	Overall, how satisfied are you with the wellbeing of your child/children?	{0, 0}...	98, 99	0
15	QHealthr	Ordinal	How is your health in general	{1.00, Very good}...	98.00, 99.00	2
16	RSEX	Nominal	Sex of Respondent	{1, Male}...	None	0
17	AGEX	Ordinal	Grouped age	{1, 16 to 24}...	None	0
18	marstat3r	Nominal	Marital status 3 cat. (recoded)	{1.00, Married/Cohabiting (incl. ...	98.00, 99.00	2
19	hghed4	Nominal	What is the highest level of qualification?	{1, Degree or equivalent}...	None	0
20	Ethnicity2r	Nominal	Ethnicity White/Other (recoded)	{1.00, White}...	98.00, 99.00	2
21	DVLO3a	Nominal	DV for ILO in employment - 3 categories	{1, In Employment}...	None	0
22	FIPWk	Nominal	Full or part time work?	{1, Full-time}...	None	0
23	NSECAC3	Nominal	NS-SEC 3 categories	{1, Managerial and professiona...	None	0
24	GorA	Nominal	Government Office Region	{1, North East}...	None	0

Quick check with **Data >> Define Variable Properties**



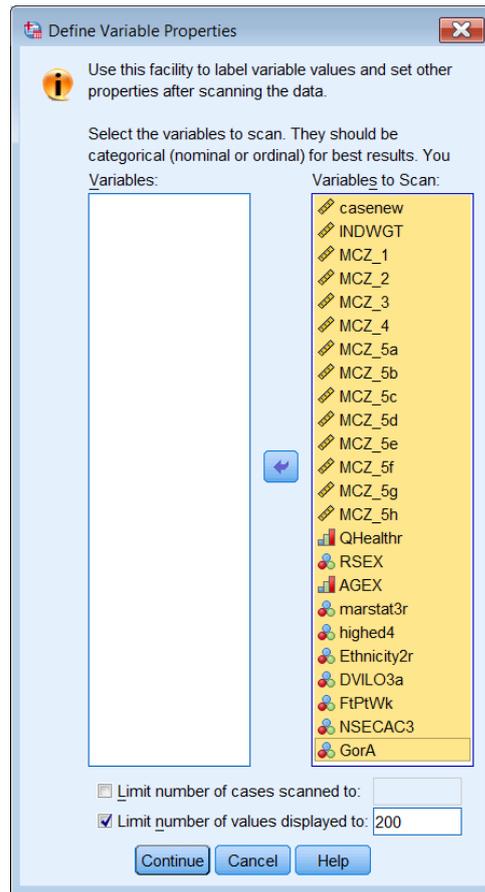
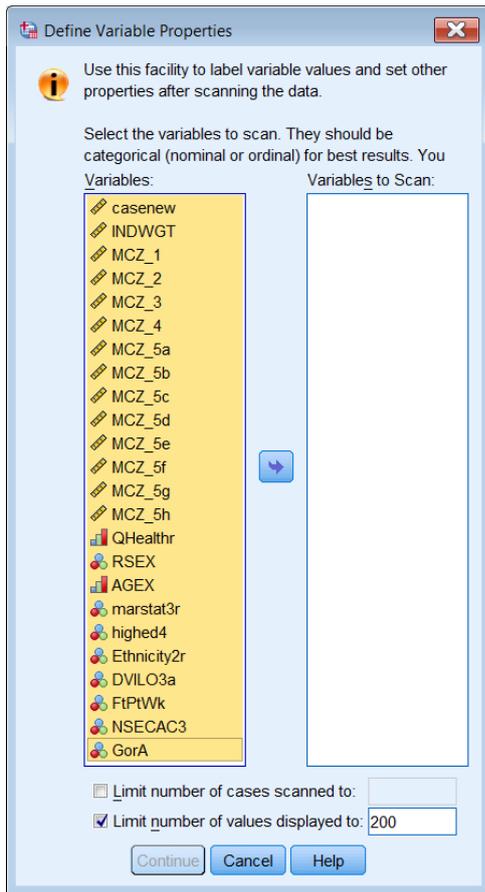
Default display

1: Drag lower edge down to reveal full list

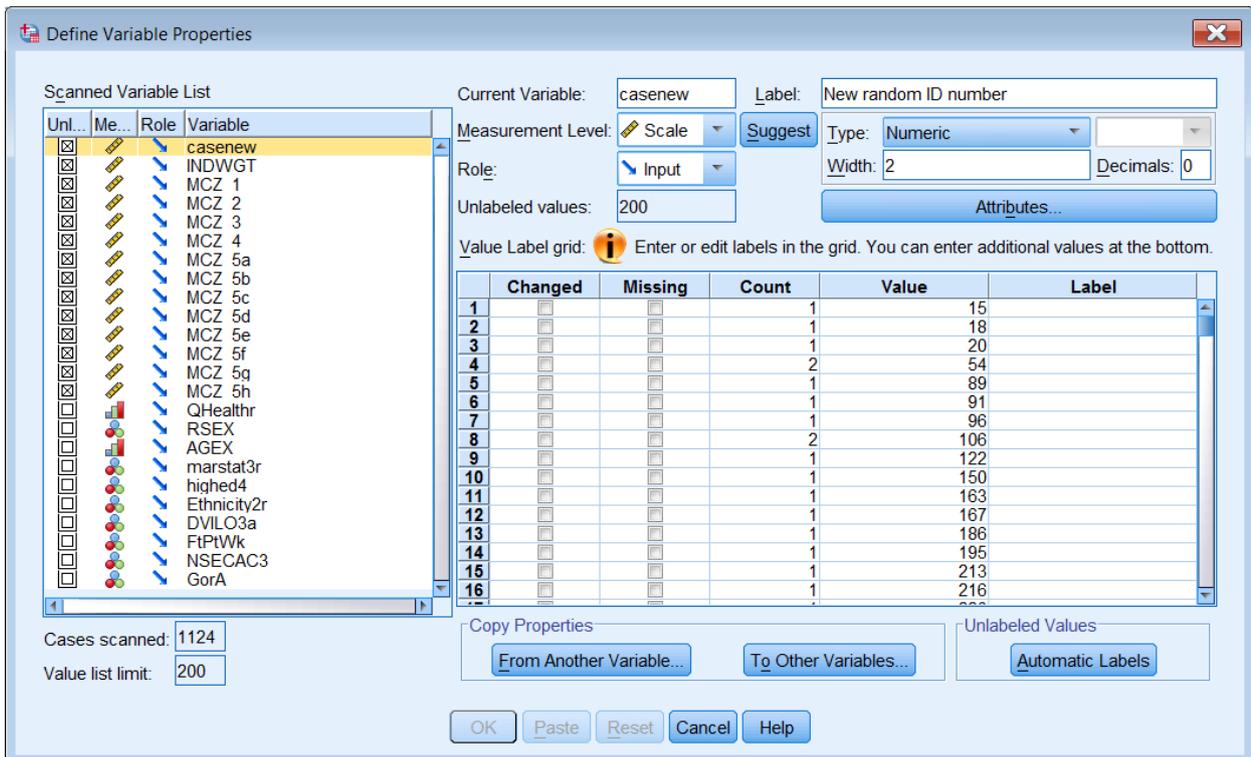


2: **Shift** click on the last variable  to highlight whole list

3: Click on blue arrow  to transfer the whole list to the other pane

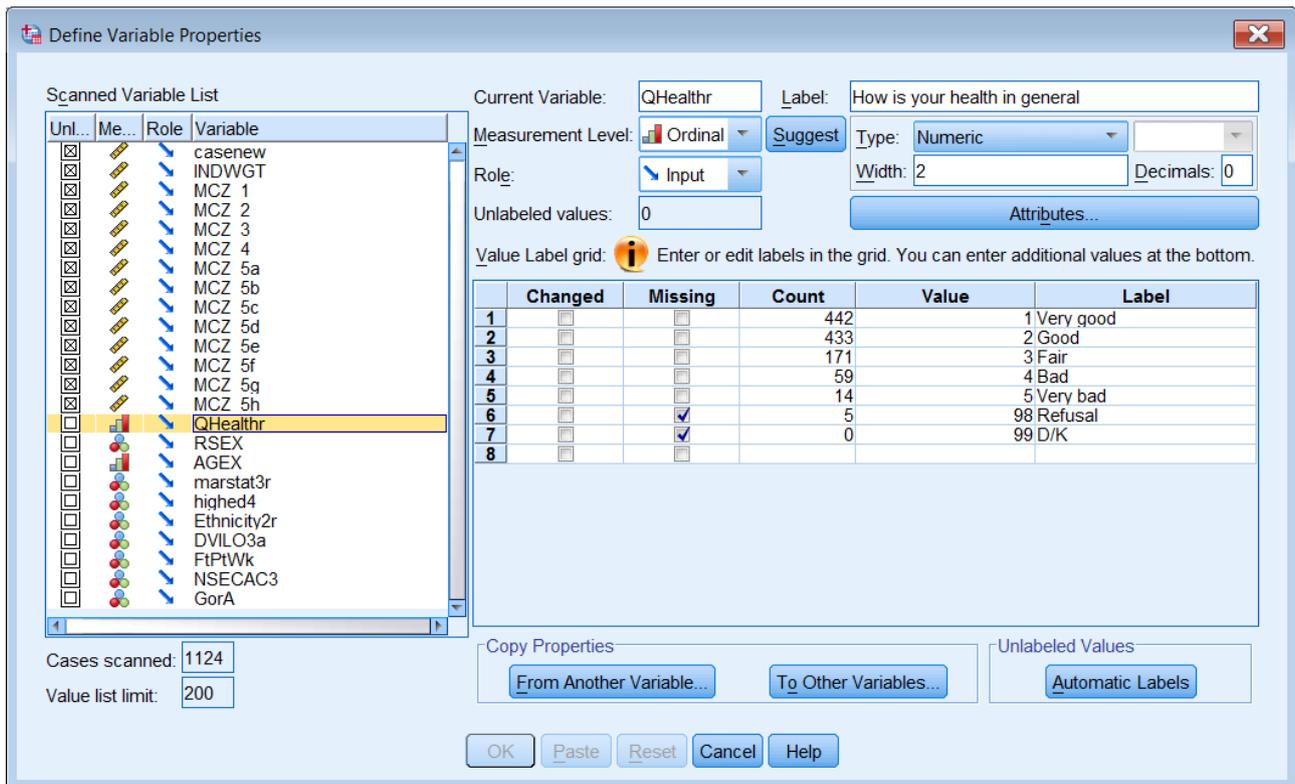


Click on 



[Drag lower edge down if whole list is not displayed]

Clicking on any variable in the list displays all properties for that variable, including a **Count** of all values and indicating any values to be treated as **Missing**.



The **Data** >> **Define Variable Properties** (DVP) facility was actually designed as a facility for building up a file, but it's also an incredibly useful tool to check the contents of an existing file.

This data set was originally prepared for teaching at the [Cathie Marsh Centre for Census and Survey Research](#) (CCSR). The orientation was towards multivariate analysis using Principal Component Analysis and Factor Analysis (see page 6 above) and has clearly determined the selection of variables amenable to these methods. For undergraduate teaching in sociology and related subjects, especially beginners, multivariate statistical analysis is probably too ambitious. At this level the aim should be to impart not inferential statistics, but basic skills in data handling and analysis (using SPSS) and be restricted to tabulation and charts, perhaps working up to some statistical testing.

I have had many years experience of teaching students with little or no experience of computing, statistics or surveys, many of whom dreaded the prospect of such in required courses and formal assessment for their academic work. The notes and comments which follow are more or less in chronological order as I worked through the file, and reflect the pedagogical approach adopted in the [Survey Analysis Workshop](#) course on my website.

## Notes on first encounter with the unrestricted teaching data set

### First impressions

Missing values correctly declared and labelled

Variables **casenew** **qhealthr** **marstat3r** **Ethnicity2r** are all integer, but have two superfluous decimal places.

Suspect measurement levels (despite **Ordinal** for **qhealthr** and **agex**).

Suspect levels also in the userguide from CCSR Manchester, in which 0-10 scales are treated as **Scalar** (originally done with Stata?) when strictly speaking they are **Ordinal** as are other variables such as **highed4** (highest education qualification) and **nsecac3** (occupational social class).

Some labels inordinately long. As usual with SPSS you can't see the full labels without widening the **Label** and **Values** columns.

No question numbers, but with such a small data set it's easy to work out what the variables are if you drag the **Label** margin to the right:

	Name	Type	Width	Decimals	Label	Values	Missing	C
1	casenew	Numeric	8	2	New random ID number	None	None	10
2	INDWGT	Numeric	9	2	Calibration Weight	None	None	8
3	MCZ_1	Numeric	2	0	Overall, how satisfied are you with your life nowadays?	{0, 0}...	98, 99	5
4	MCZ_2	Numeric	2	0	Overall, to what extent feel things you do in your life are worthwhile?	{0, 0}...	98, 99	5
5	MCZ_3	Numeric	2	0	Overall, how happy did you feel yesterday?	{0, 0}...	98, 99	5
6	MCZ_4	Numeric	2	0	Overall, how anxious did you feel yesterday?	{0, 0}...	98, 99	5
7	MCZ_5a	Numeric	2	0	Overall, how satisfied are you with your personal relationships?	{0, 0}...	98, 99	6
8	MCZ_5b	Numeric	2	0	Overall, how satisfied are you with your physical health?	{0, 0}...	98, 99	6
9	MCZ_5c	Numeric	2	0	Overall, how satisfied are you with your mental wellbeing?	{0, 0}...	98, 99	6
10	MCZ_5d	Numeric	2	0	Overall, how satisfied are you with your work situation?	{0, 0}...	98, 99	6
11	MCZ_5e	Numeric	2	0	Overall, how satisfied are you with your financial situation?	{0, 0}...	98, 99	6
12	MCZ_5f	Numeric	2	0	Overall, how satisfied are you with the area where you live?	{0, 0}...	98, 99	6
13	MCZ_5g	Numeric	2	0	Overall, how satisfied with amount of time have to do things like doing?	{0, 0}...	98, 99	6
14	MCZ_5h	Numeric	2	0	Overall, how satisfied are you with the wellbeing of your child/children?	{0, 0}...	98, 99	6
15	QHealthr	Numeric	8	2	How is your health in general	{1.00, Very... 98.00, 99.00	10	10
16	RSEX	Numeric	1	0	Sex of Respondent	{1, Male}...	None	4
17	AGEX	Numeric	1	0	Grouped age	{1, 16 to 24}...	None	6
18	marstat3r	Numeric	8	2	Marital status 3 cat. (recoded)	{1.00, Marr... 98.00, 99.00	11	11
19	highed4	Numeric	2	0	What is the highest level of qualification?	{1, Degree ...	None	8
20	Ethnicity2r	Numeric	8	2	Ethnicity White/Other (recoded)	{1.00, Whit... 98.00, 99.00	12	12
21	DVLO3a	Numeric	1	0	DV for ILO in employment - 3 categories	{1, In Empl...}	None	7
22	FIPWk	Numeric	1	0	Full or part time work?	{1, Full-tim...}	None	6
23	NSECAC3	Numeric	1	0	NS-SEC 3 categories	{1, Manage...}	None	8
24	GorA	Numeric	8	0	Government Office Region	{1, North E...}	None	8

You also need to drag the **Values** margin to the right:

	Name	Type	Width	Decimals	Label	Values	Missing	Columns
1	casenew	Numeric	8	2	New random ID number	None	None	10
2	INDWGT	Numeric	9	2	Calibration Weight	None	None	8
3	MCZ_1	Numeric	2	0	Overall, how satisfied are you with your life nowadays?	{0, 0}...	98, 99	5
4	MCZ_2	Numeric	2	0	Overall, to what extent feel things you do in your life are worthwhile?	{0, 0}...	98, 99	5
5	MCZ_3	Numeric	2	0	Overall, how happy did you feel yesterday?	{0, 0}...	98, 99	5
6	MCZ_4	Numeric	2	0	Overall, how anxious did you feel yesterday?	{0, 0}...	98, 99	5
7	MCZ_5a	Numeric	2	0	Overall, how satisfied are you with your personal relationships?	{0, 0}...	98, 99	6
8	MCZ_5b	Numeric	2	0	Overall, how satisfied are you with your physical health?	{0, 0}...	98, 99	6
9	MCZ_5c	Numeric	2	0	Overall, how satisfied are you with your mental wellbeing?	{0, 0}...	98, 99	6
10	MCZ_5d	Numeric	2	0	Overall, how satisfied are you with your work situation?	{0, 0}...	98, 99	6
11	MCZ_5e	Numeric	2	0	Overall, how satisfied are you with your financial situation?	{0, 0}...	98, 99	6
12	MCZ_5f	Numeric	2	0	Overall, how satisfied are you with the area where you live?	{0, 0}...	98, 99	6
13	MCZ_5g	Numeric	2	0	Overall, how satisfied with amount of time have to do things like doing?	{0, 0}...	98, 99	6
14	MCZ_5h	Numeric	2	0	Overall, how satisfied are you with the wellbeing of your child/children?	{0, 0}...	98, 99	6
15	QHealthr	Numeric	8	2	How is your health in general	{1.00, Very good}...	98.00, 99.00	10
16	RSEX	Numeric	1	0	Sex of Respondent	{1, Male}...	None	4
17	AGEX	Numeric	1	0	Grouped age	{1, 16 to 24}...	None	6
18	marstat3r	Numeric	8	2	Marital status 3 cat. (recoded)	{1.00, Married/Cohabiting (incl. same sex couple... 98.00, 99.00	11	11
19	highed4	Numeric	2	0	What is the highest level of qualification?	{1, Degree or equivalent}...	None	8
20	Ethnicity2r	Numeric	8	2	Ethnicity White/Other (recoded)	{1.00, White}...	98.00, 99.00	12
21	DVLO3a	Numeric	1	0	DV for ILO in employment - 3 categories	{1, In Employment}...	None	7
22	FIPWk	Numeric	1	0	Full or part time work?	{1, Full-time}...	None	6
23	NSECAC3	Numeric	1	0	NS-SEC 3 categories	{1, Managerial and professional occupations}...	None	8
24	GorA	Numeric	8	0	Government Office Region	{1, North East}...	None	8



	Name	Type	Width	Decimals	Label	Values	Missing	Columns	Align	Measure
1	casenew	Numeric	8	2	New random ID number	None	None	10	Right	Scale
2	INDWGT	Numeric	9	2	Calibration Weight	None	None	8	Right	Scale
3	MCZ_1	Numeric	2	0	Overall, how satisfied are you with your life nowadays?	{0, 0}...	98, 99	5	Right	Scale
4	MCZ_2	Numeric	2	0	Overall, to what extent feel things you do in your life are worthwhile?	{0, 0}...	98, 99	5	Right	Scale
5	MCZ_3	Numeric	2	0	Overall, how happy did you feel yesterday?	{0, 0}...	98, 99	5	Right	Scale
6	MCZ_4	Numeric	2	0	Overall, how anxious did you feel yesterday?	{0, 0}...	98, 99	5	Right	Scale
7	MCZ_5a	Numeric	2	0	Overall, how satisfied are you with your personal relationships?	{0, 0}...	98, 99	6	Right	Scale
8	MCZ_5b	Numeric	2	0	Overall, how satisfied are you with your physical health?	{0, 0}...	98, 99	6	Right	Scale
9	MCZ_5c	Numeric	2	0	Overall, how satisfied are you with your mental wellbeing?	{0, 0}...	98, 99	6	Right	Scale
10	MCZ_5d	Numeric	2	0	Overall, how satisfied are you with your work situation?	{0, 0}...	98, 99	6	Right	Scale
11	MCZ_5e	Numeric	2	0	Overall, how satisfied are you with your financial situation?	{0, 0}...	98, 99	6	Right	Scale
12	MCZ_5f	Numeric	2	0	Overall, how satisfied are you with the area where you live?	{0, 0}...	98, 99	6	Right	Scale
13	MCZ_5g	Numeric	2	0	Overall, how satisfied with amount of time have to do things like doing?	{0, 0}...	98, 99	6	Right	Scale
14	MCZ_5h	Numeric	2	0	Overall, how satisfied are you with the wellbeing of your child/children?	{0, 0}...	98, 99	6	Right	Scale
15	QHealthr	Numeric	8	2	How is your health in general	{1.00, Very good}...	98.00, 99.00	10	Right	Ordinal
16	RSEX	Numeric	1	0	Sex of Respondent	{1, Male}...	None	4	Right	Nominal
17	AGEX	Numeric	1	0	Grouped age	{1, 16 to 24}...	None	6	Right	Ordinal
18	marstat3r	Numeric	8	2	Marital status 3 cat. (recoded)	{1.00, Married/Cohabiting (incl. same sex couples)/Civil Partner}...	98.00, 99.00	11	Right	Nominal
19	highe4	Numeric	2	0	What is the highest level of qualification?	{1, Degree or equivalent}...	None	8	Right	Nominal
20	Ethnicity2r	Numeric	8	2	Ethnicity White/Other (recoded)	{1.00, White}...	98.00, 99.00	12	Right	Nominal
21	DVIL03a	Numeric	1	0	DV for ILO in employment - 3 categories	{1, In Employment}...	None	7	Right	Nominal
22	FIPWk	Numeric	1	0	Full or part time work?	{1, Full-time}...	None	6	Right	Nominal
23	NSECAC3	Numeric	1	0	NS-SEC 3 categories	{1, Managerial and professional occupations}...	None	8	Right	Nominal
24	GorA	Numeric	8	0	Government Office Region	{1, North East}...	None	8	Right	Nominal

Although the variable labels give an idea of what the variables are, it's useful to know what the original questions were and the format in which they were asked. In this case there are no question numbers, but the user guide has an appendix with the following information.

End points are not labelled, but this is noted in the documentation. However they are not labelled in the questionnaire either so the original questions and prompts need to be checked in the main survey (SN 7167).

### Extract from user guide

I would like to ask you four questions about your feelings on aspects of your life. There are no right or wrong answers. For each of these questions I'd like you to give an answer on a scale of nought to 10, where nought is 'not at all' and 10 is 'completely'.

Please answer the next questions using the laptop. Read each question and follow the instructions on the screen. Please ask me if you need any help in using the laptop.

Interviewer, please hand the laptop to the respondent

#### MCZ\_1

Overall, how satisfied are you with your life nowadays? Where nought is 'not at all satisfied' and 10 is 'completely satisfied'.

#### MCZ\_2

Overall, to what extent do you feel that the things you do in your life are worthwhile? Where nought is 'not at all worthwhile' and 10 is 'completely worthwhile'.

#### MCZ\_3

Overall, how happy did you feel yesterday? Where nought is 'not at all happy' and 10 is 'completely happy'.

#### MCZ\_4

On a scale where nought is 'not at all anxious' and 10 is 'completely anxious', overall, how anxious did you feel yesterday?

#### MCZ\_5a

On a nought to 10 scale where nought is 'not at all satisfied' and 10 is 'completely satisfied', overall, how satisfied are you with your personal relationships?

**MCZ\_5b**

On a nought to 10 scale where nought is 'not at all satisfied' and 10 is 'completely satisfied', overall, how satisfied are you with your physical health?

**MCZ\_5c**

On a nought to 10 scale where nought is 'not at all satisfied' and 10 is 'completely satisfied', overall, how satisfied are you with your mental wellbeing?

**MCZ\_5d**

On a nought to 10 scale where nought is 'not at all satisfied' and 10 is 'completely satisfied', overall, how satisfied are you with your work situation?

**MCZ\_5e**

On a nought to 10 scale where nought is 'not at all satisfied' and 10 is 'completely satisfied', overall, how satisfied are you with your financial situation?

**MCZ\_5f**

On a nought to 10 scale where nought is 'not at all satisfied' and 10 is 'completely satisfied', overall, how satisfied are you with the area where you live?

**MCZ\_5g**

On a nought to 10 scale where nought is 'not at all satisfied' and 10 is 'completely satisfied', overall, how satisfied are you with the amount of time you have to do things you like doing?

*[Asked only to parents]*

**MCZ\_5h**

On a nought to 10 scale where nought is 'not at all satisfied' and 10 is 'completely satisfied', overall, how satisfied are you with the wellbeing of your child/children?

**Measurement levels**

**MCZ\_1** to **MCZ\_5h** (0 – 10) are declared as **Scale**, but strictly speaking they are **Ordinal**

**highed4**      What is the highest level of qualification?  
**NSECAC3**      NS-SEC 3 categories

. . are both declared as **Nominal**, but they are in fact **Ordinal**.

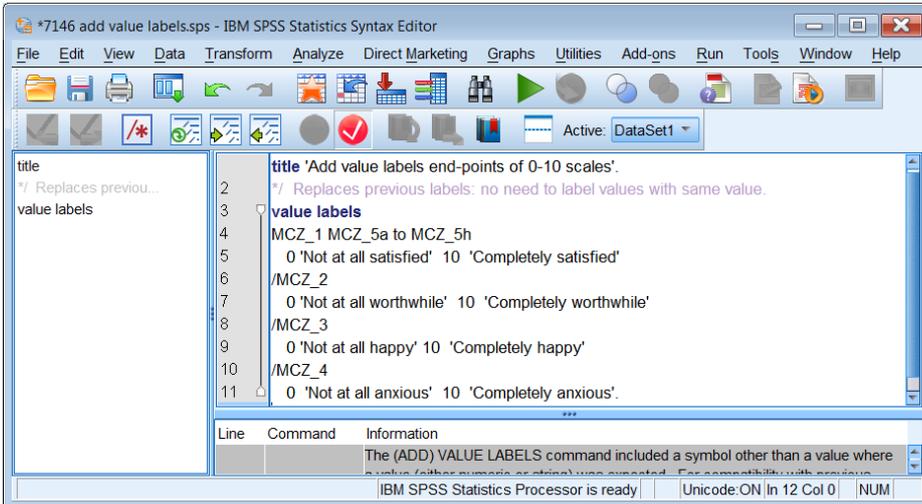
**Amendments made:**

Make sure you do this on the copy, not on the original!

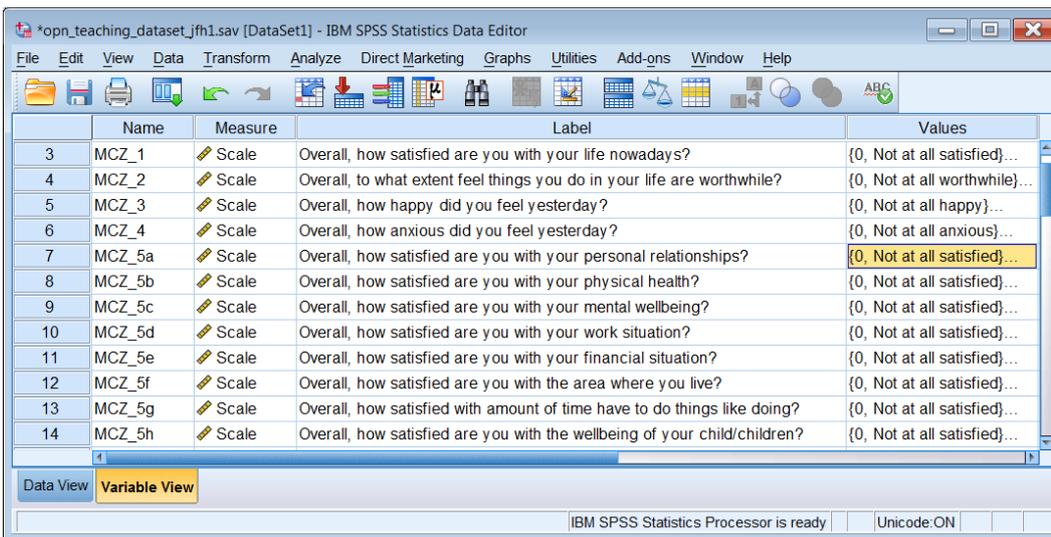
**1: Add labels to end-points of 0 - 10 scales:****value labels**

MCZ\_1 MCZ\_5a to MCZ\_5h  
 0 'Not at all satisfied' 10 'Completely satisfied'  
 /MCZ\_2  
 0 'Not at all worthwhile' 10 'Completely worthwhile'  
 /MCZ\_3  
 0 'Not at all happy' 10 'Completely happy'  
 /MCZ\_4  
 0 'Not at all anxious' 10 'Completely anxious'.

**execute.**

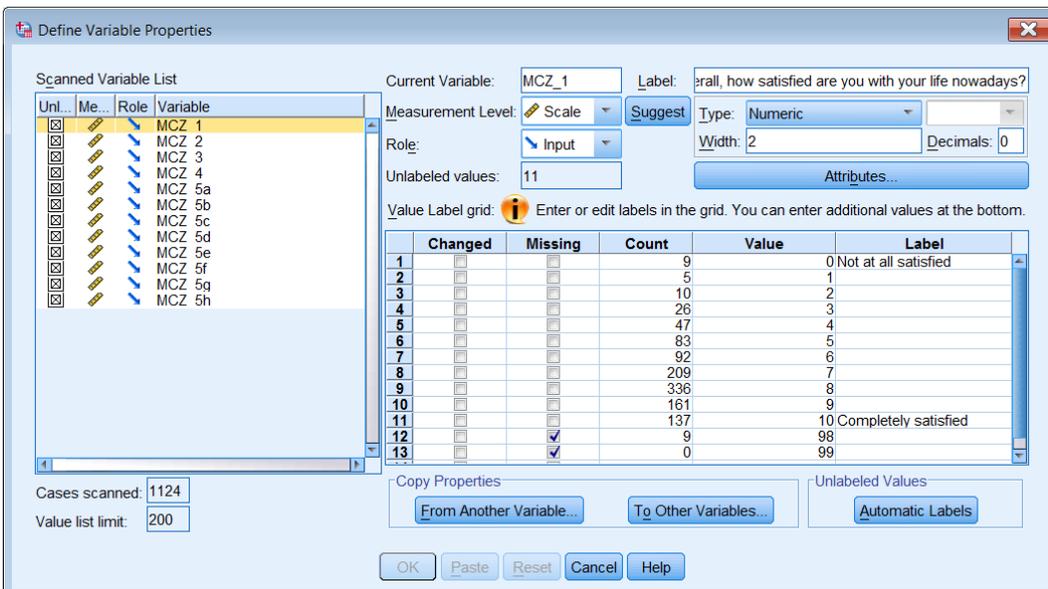


.. and press the green arrow  to execute the command.



This also deletes the labels for points 1 – 9 which simply, and unnecessarily, repeat the numeric value of the response:

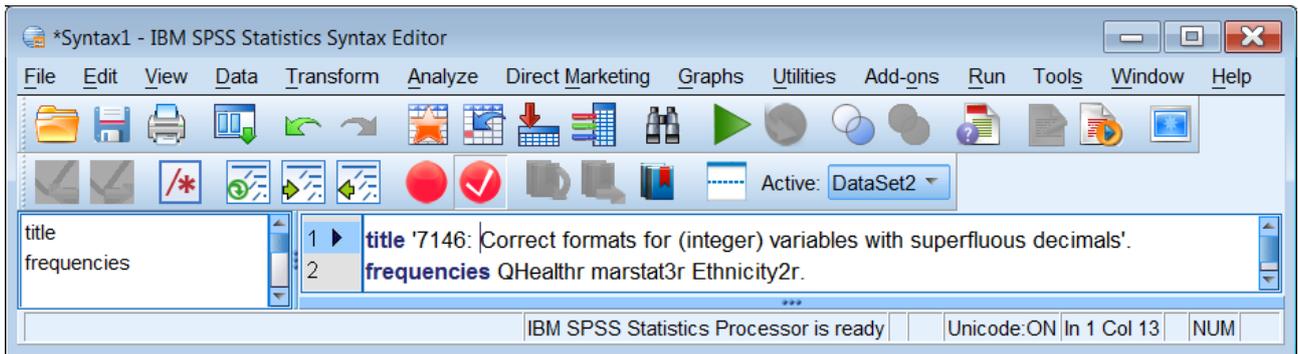
**Data >> Define Variable Properties** to check changes:



**2: Correct formats for (integer) variables with superfluous decimals:**

Run **FREQUENCIES** on variables stored with two decimal places (but **NOT casenew** !!)

**frequencies** QHealthr marstat3r Ethnicity2r.



.. and press the green arrow  to execute the command.

[NB: Output is for **unweighted** data]

**QHealthr How is your health in general**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00 Very good	442	39.3	39.5	39.5
	2.00 Good	433	38.5	38.7	78.2
	3.00 Fair	171	15.2	15.3	93.5
	4.00 Bad	59	5.2	5.3	98.7
	5.00 Very bad	14	1.2	1.3	100.0
	Total	1119	99.6	100.0	
Missing	98.00 Refusal	5	.4		
Total		1124	100.0		

**marstat3r Marital status 3 cat. (recoded)**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00 Married/Cohabiting (incl. same sex couples)/Civil Partner	609	54.2	54.2	54.2
	2.00 Single	243	21.6	21.6	75.8
	3.00 Widowed/ Divorced/ Separated (incl. same sex couples)	272	24.2	24.2	100.0
	Total	1124	100.0	100.0	

**Ethnicity2r Ethnicity White/Other (recoded)**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00 White	1018	90.6	90.7	90.7
	2.00 Other	105	9.3	9.3	100.0
	Total	1123	99.9	100.0	
Missing	98.00 Refusal	1	.1		
Total		1124	100.0		

Change the stored formats with:

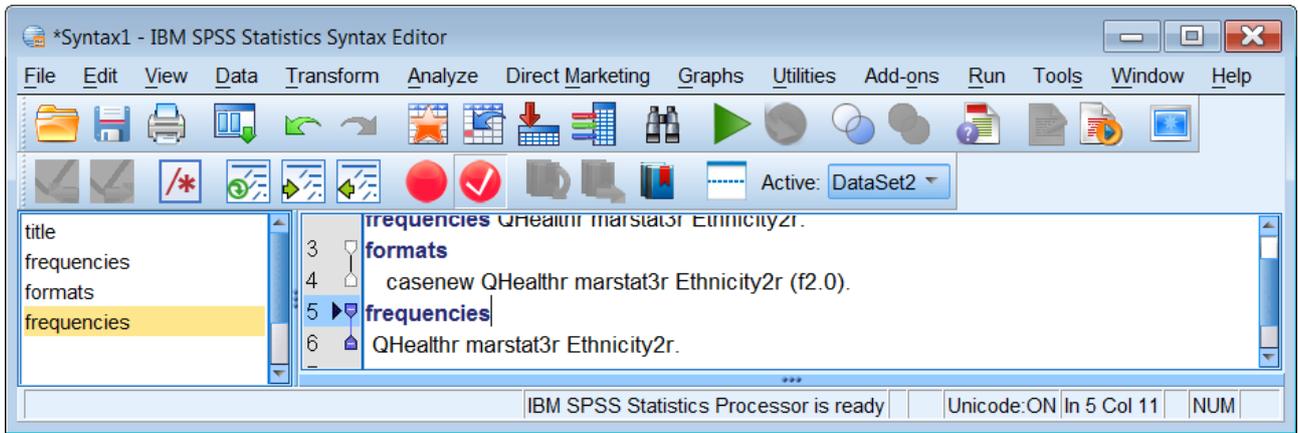
**formats**

casenew QHealthr marstat3r Ethnicity2r (f2.0).

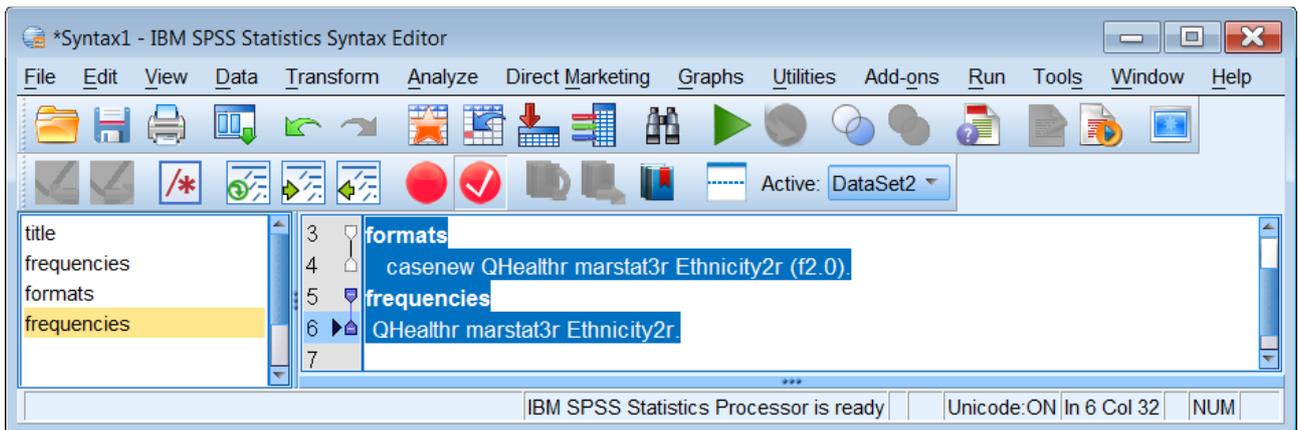
.. and run frequencies again:

**frequencies**

QHealthr marstat3r Ethnicity2r.



Highlight the new commands:



. . and press the green arrow 

**QHealthr How is your health in general**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Very good	442	39.3	39.5	39.5
	2 Good	433	38.5	38.7	78.2
	3 Fair	171	15.2	15.3	93.5
	4 Bad	59	5.2	5.3	98.7
	5 Very bad	14	1.2	1.3	100.0
	Total	1119	99.6	100.0	
Missing	98 Refusal	5	.4		
Total		1124	100.0		

**marstat3r Marital status 3 cat. (recoded)**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Married/Cohabiting (incl. same sex couples)/Civil Partner	609	54.2	54.2	54.2
	2 Single	243	21.6	21.6	75.8
	3 Widowed/ Divorced/ Separated (incl. same sex couples)	272	24.2	24.2	100.0
	Total	1124	100.0	100.0	

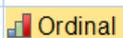
**Ethnicity2r Ethnicity White/Other (recoded)**

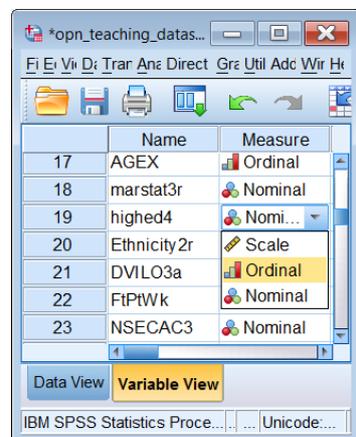
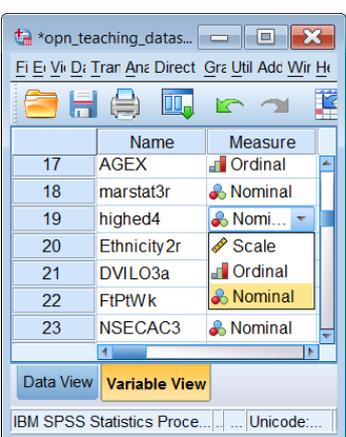
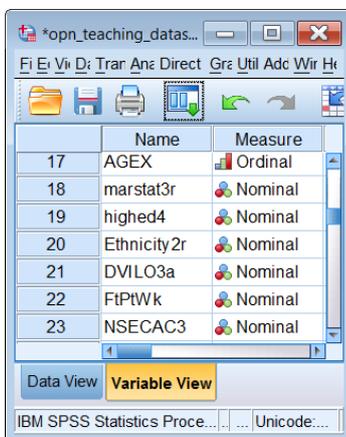
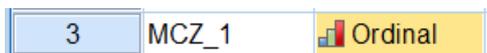
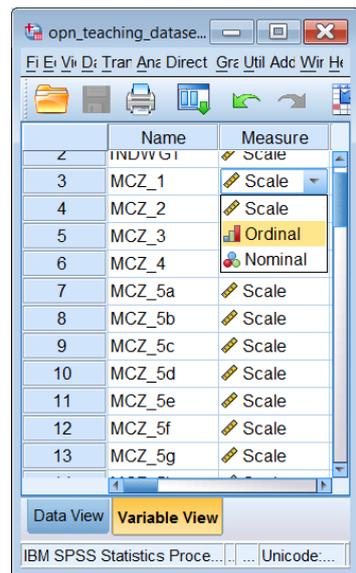
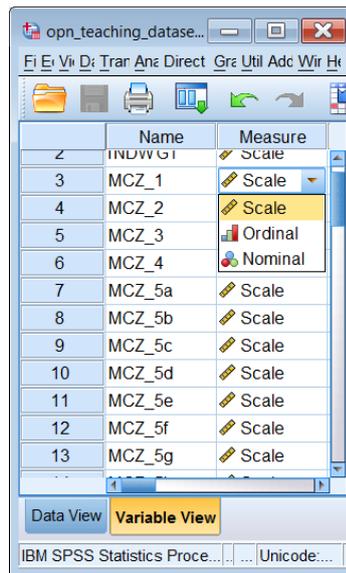
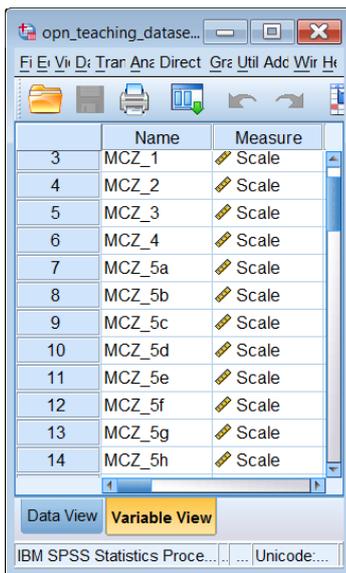
		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 White	1018	90.6	90.7	90.7
	2 Other	105	9.3	9.3	100.0
	Total	1123	99.9	100.0	
Missing	98 Refusal	1	.1		
Total		1124	100.0		

In the **Data Editor** for variables **QHealthr** **marstat3r** **Ethnicity2r** **Decimals** has been reset to zero.

	Name	Measure	Label	Values	Missing	Decimals
15	QHealthr	Ordinal	How is ...	{1, Very...	98, 99	0
18	marstat3r	Nominal	Marital ...	{1, Marr...	98, 99	0
20	Ethnicity2r	Nominal	Ethnicit...	{1, Whit...	98, 99	0

### 3: Set correct measurement levels

**MCZ\_1** to **MCZ\_5h** (0 – 10) are declared as **Scale**, but strictly speaking they are **Ordinal**. You can change the level manually in the **Data Editor** by clicking on  **Scale** then on  **Ordinal**

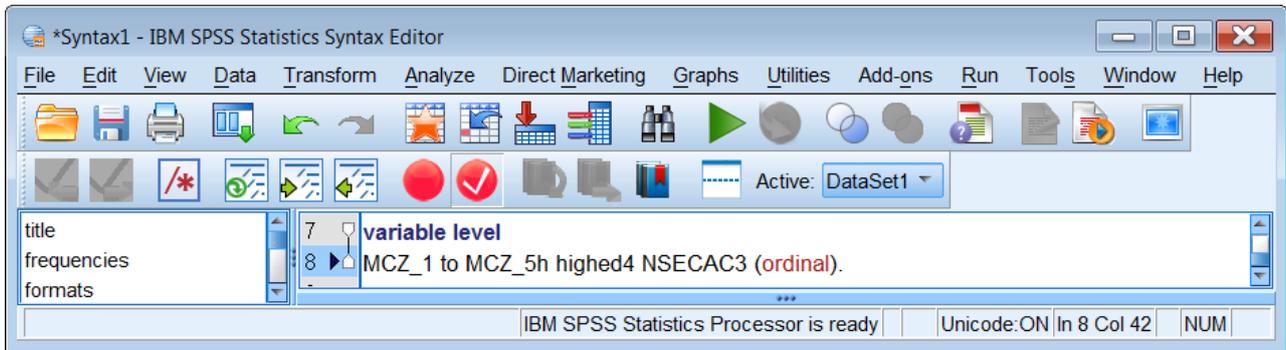


but this leaves no audit trail of changes made.

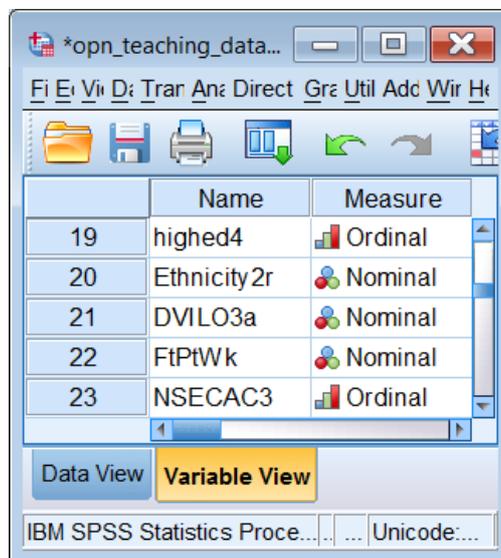
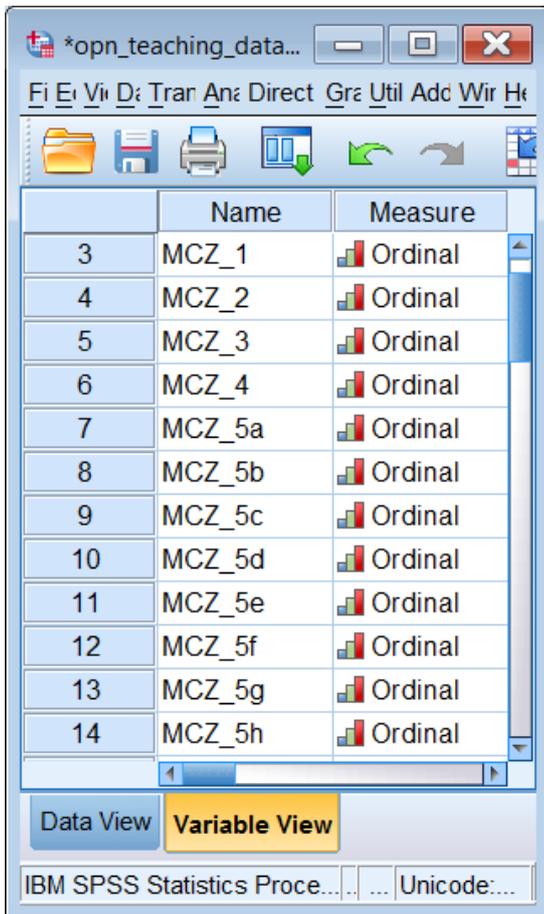
It's better to use syntax:

#### variable level

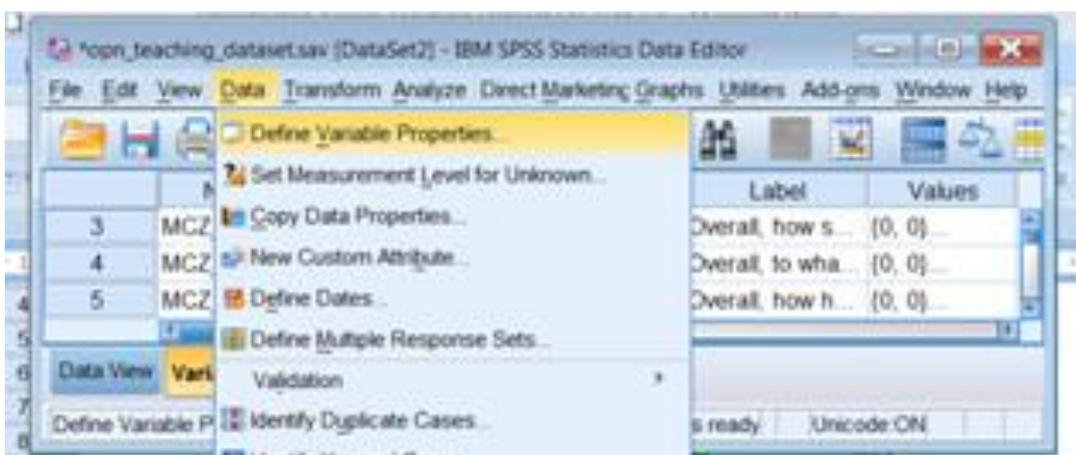
mcz\_1 to mcz\_5h highed4 NSECAC3 (Ordinal).



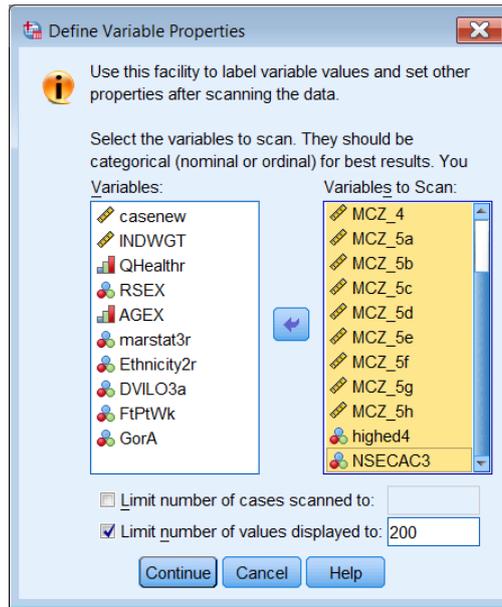
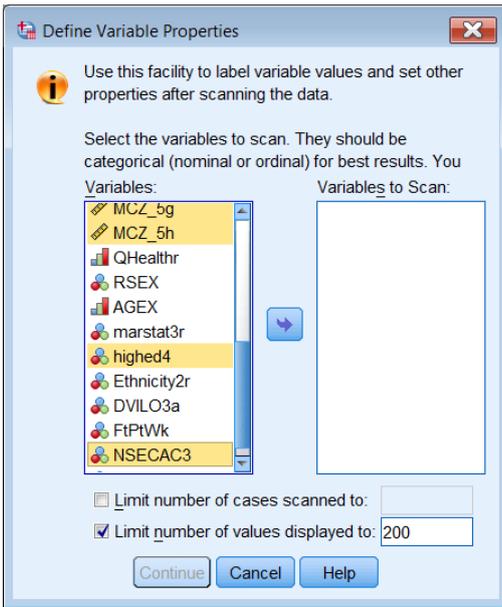
. . changes the levels:



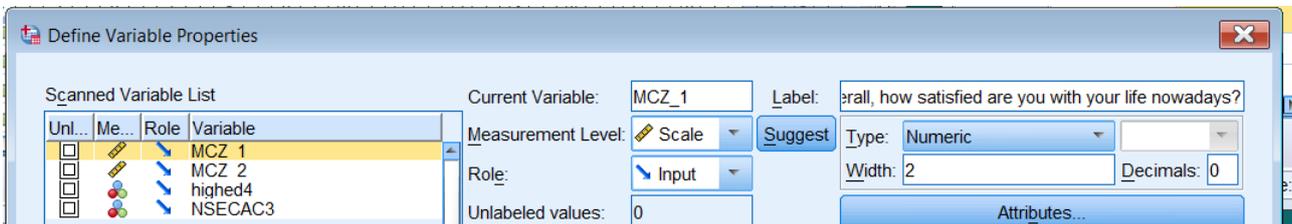
Changes to variable properties can also be made via **Data** >> **Define Variable Properties** (DVP)



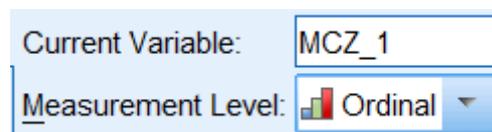
Highlight the variables whose properties you need to change, click on  to transfer them to the right hand pane:



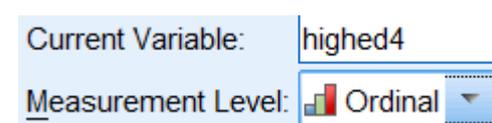
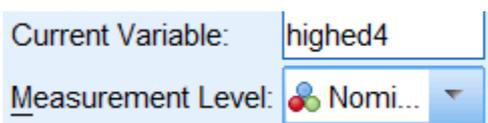
then click on 



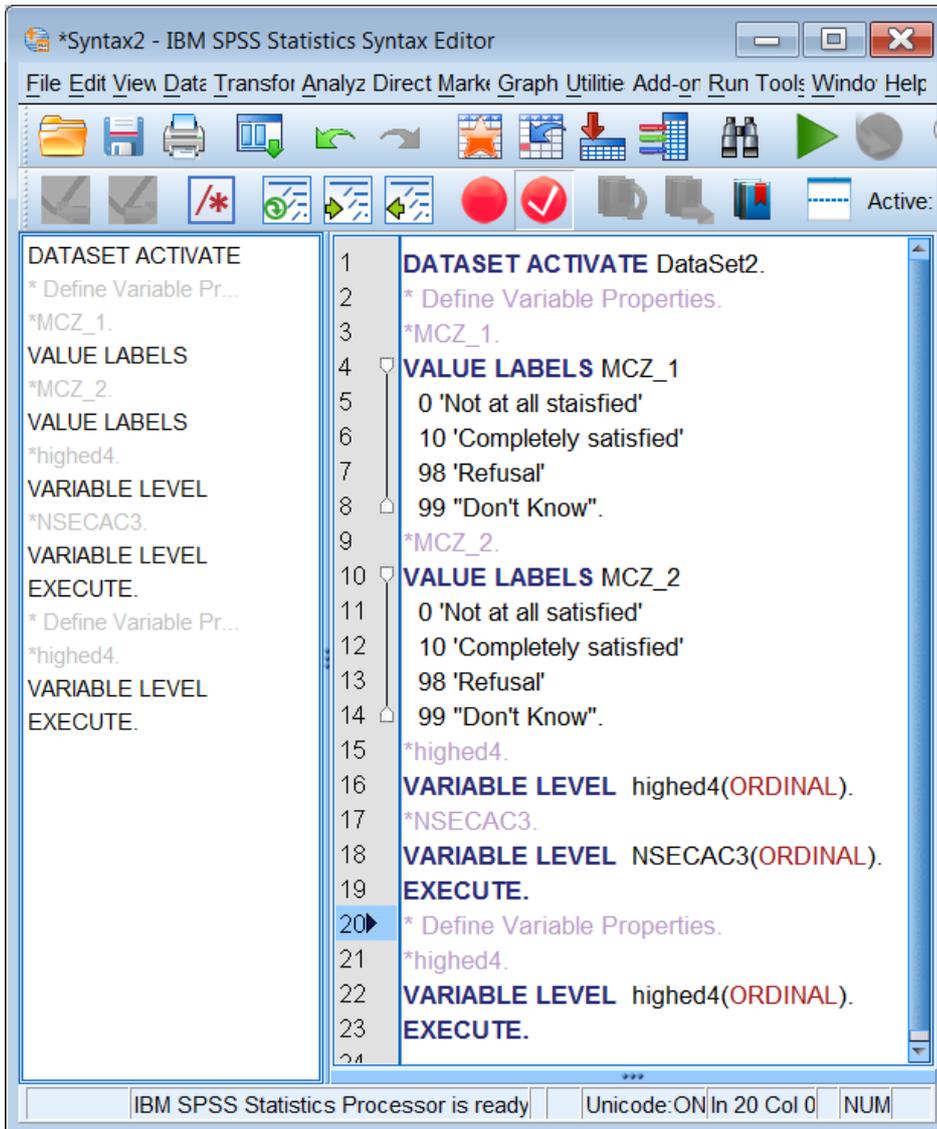
Make the changes you want:



Value	Label
0	Not at all satisfied
10	Completely satisfied



and click on  The syntax generated will appear in the currently open **Syntax Editor**



As you can see, a syntax block is generated for each command for each variable. Whilst the syntax generated is accurate, this can lead to very long sequences of syntax if you change the properties of a lot of variables such as the series **mcz\_1** to **mcz\_5h**. All the changes described above can be effected by:

**variable level**

mcz\_1 to mcz\_5h highed4 NSECAC3 (Ordinal).

**formats**

casenew QHealthr marstat3r Ethnicity2r (f2.0).

**value labels**

MCZ\_1 MCZ\_5a to MCZ\_5h  
 0 'Not at all satisfied' 10 'Completely satisfied'  
 /MCZ\_2  
 0 'Not at all worthwhile' 10 'Completely worthwhile'  
 /MCZ\_3  
 0 'Not at all happy' 10 'Completely happy'  
 /MCZ\_4  
 0 'Not at all anxious' 10 'Completely anxious'.

**execute.**

## Enriching the data

In addition to the overall subjective domain measures, and in order to make it more interesting to analyse, this data set needs more variables such as income, type of neighbourhood, and other intra-domain situational variables.

<b>Domain</b>	<b>Additional variables needed</b>
Health	<b>LSIII</b> Have you any long-standing illness, disability or infirmity? 1 Yes 2 No 8 Refused 9 Don't know  <b>IIIlim</b> Does this Illness / disability limit any of your activities? 1 Yes 2 No 8 Refused 9 Don't know
Financial situation,	income, dependence on benefits  <b>sumgross</b> Annual Gross Income
Work,	<b>NET99 UK</b> What was your take home pay after all deductions the last time you were paid?  <b>ES2010</b> Employment status 1 Self-employed: large (25+ employees) 2 Self-employed: small (1-24 employees) 3 Self-employed: no employees 4 Manager: large (25+ employees) 5 Manager: small (1-24 employees) 6 Foreman or supervisor 7 Employee (not classified) 8 No employment status info given
Neighbourhood	urban/rural, Census indicators,

It would be nice to have additional subjective indicators but the logic of the numbering system is not immediately clear. In any case there are nowhere near enough intra-domain situational variables to enable interesting analysis.

### **MCZ\_8a**

Please imagine a ladder with steps numbered from nought at the bottom to 10 at the top. The top of the ladder represents the best possible life for you and the bottom of the ladder represents the worst possible life for you.

On which step of the ladder would you say you personally feel you stand at this time?

### **MCZ\_8b**

On which step of the ladder do you think you will stand about five years from now?

**From the September 2011 wave:**

- MCZ\_5 To what extent do you feel most people can be trusted?
- MCZ\_6 To what extent do you feel that you have anyone to discuss personal matters with?
- MCZ\_7 To what extent do you feel you have any relatives, friends or neighbours that you can ask for help?
- MCZ\_8 Overall, how satisfied are you with the local area where you live?
- MCZ\_9 To what extent do you feel that you are involved in the local area where you live?
- MCZ\_10 To what extent do you feel you belong in the local area where you live ?
- MCZ\_11 To what extent feel local area is place where people from different backgrounds get on well together?
- MCZ\_12 To what extent do you feel you can influence local decisions?
- MCZ\_13 To what extent do you feel people in this local area pull together to improve the MCZ\_ neighbourhood?
- MCZ\_14 How satisfied with public gardens, parks, commons, other green spaces in local area where you live?
- MCZ\_15 How safe would you feel walking alone in this local area after dark?
- MCZ\_16a In general, how would you rate the quality of public health services in this country?
- MCZ\_16b In general, how would you rate the quality of the state education system (in this country)?
- MCZ\_16c In general, how would you rate the quality of public transport (in this country)?
- MCZ\_16d In general, how would you rate the quality of state childcare services (in this country)?
- MCZ\_16e In general, how would you rate the quality of care services for the elderly (in this country)?
- MCZ\_16f In general, how would you rate the quality of the state pension system (in this country)?
- MCZ\_17a How much do you personally trust the legal system in this country?
- MCZ\_17b How much do you personally trust the police (in this country)?
- MCZ\_17c How much do you personally trust the media (in this country)?
- MCZ\_17d How much do you personally trust the political system (in this country)?
- MCZ\_18 To what extent do you feel informed about new and current affairs affecting this country?
- MCZ\_19 How satisfied are you with living in this country?
- MCZ\_20 How optimistic are you about the future of this country?
- MCZ\_21 Over next 12 months, think overall situation of this country will get better, stay the same, get worse?

[Still to do]

1: Create new data set with variables more suited to (undergraduate) students in sociology, social policy and the like, and more amenable to (comparative) charts and tabulation with %% rather than complex statistical formulae, but with an underlying logic of dependent and independent variables.

[Partially done]

Because the cases are not in the same order in the full April data and in the teaching set, I made a copy of the full April 2011 data and worked my way through that, deleting variables that are not really relevant to SPSS newbies or to undergraduates in sociology.

File **f1104\_mcz\_jfh1.sav** (54 variables)

I've reduced the file to 54 variables and may reduce it further when I've done a bit more analysis.

2: Generate examples and exercises suitable for short courses/workshops for use by QM teachers. Good examples include instances of steep and gradients of mean satisfaction scores consistent with common sense rankings of intra-domain conditions, even if the latter are self-reported.

Source OPN Well-being module (merged April –August 2011)  
SPSS 22 for Windows

**MCZ\_5b Overall, how satisfied are you with your physical health? \* QHealth How is your health in general?**

MCZ\_5b Overall, how satisfied are you with your physical health?

QHealth How is your health in general?	Mean	N	Std. Deviation
1 Very good	8.45	442	1.406
2 Good	7.30	432	1.584
3 Fair	5.51	169	2.073
4 Bad	2.50	58	2.063
5 Very bad	2.14	14	2.107
Total	7.17	1115	2.279

**MCZ\_5b Overall, how satisfied are you with your physical health? \* LSIII Have any long-standing illness, disability or infirmity?**

MCZ\_5b Overall, how satisfied are you with your physical health?

LSIII Have any long-standing illness, disability or infirmity?	Mean	N	Std. Deviation
1 Yes	5.73	395	2.612
2 No	7.96	720	1.594
Total	7.17	1115	2.279

## Appendix

The merged set contains data for the following months

		Month Survey period			
		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	April	1124	24.3	24.3	24.3
	June	1196	25.9	25.9	50.2
	July	1161	25.1	25.1	75.4
	August	1137	24.6	24.6	100.0
	Total	4618	100.0	100.0	

There are no data for May (was there a survey?)

The subjective variables differ in each survey: some even have **the same name for a different variable** !!

Name **Merged data set** [f1104\_1108\_mcz\_merged.sav]

MCZ\_1 Overall, how satisfied are you with your life nowadays?  
MCZ\_2 Overall, to what extent feel things you do in your life are worthwhile?  
MCZ\_3 Overall, how happy did you feel yesterday?  
MCZ\_4 Overall, how anxious did you feel yesterday?

**April 2011** [f1104\_mcz.sav]

MCZ\_1 Overall, how satisfied are you with your life nowadays?  
MCZ\_2 Overall, to what extent feel things you do in your life are worthwhile?  
MCZ\_3 Overall, how happy did you feel yesterday?  
MCZ\_4 Overall, how anxious did you feel yesterday?  
MCZ\_5a Overall, how satisfied are you with your personal relationships?  
MCZ\_5b Overall, how satisfied are you with your physical health?  
MCZ\_5c Overall, how satisfied are you with your mental wellbeing?  
MCZ\_5d Overall, how satisfied are you with your work situation?  
MCZ\_5e Overall, how satisfied are you with your financial situation?  
MCZ\_5f Overall, how satisfied are you with the area where you live?  
MCZ\_5g Overall, how satisfied with amount of time have to do things like doing?  
MCZ\_5h Overall, how satisfied are you with the wellbeing of your child/children?

**Teaching data set** (April 2011) [opn\_teaching\_dataset.sav]

MCZ\_1 Overall, how satisfied are you with your life nowadays?  
MCZ\_2 Overall, to what extent feel things you do in your life are worthwhile?  
MCZ\_3 Overall, how happy did you feel yesterday?  
MCZ\_4 Overall, how anxious did you feel yesterday?  
MCZ\_5a Overall, how satisfied are you with your personal relationships?  
MCZ\_5b Overall, how satisfied are you with your physical health?  
MCZ\_5c Overall, how satisfied are you with your mental wellbeing?  
MCZ\_5d Overall, how satisfied are you with your work situation?  
MCZ\_5e Overall, how satisfied are you with your financial situation?  
MCZ\_5f Overall, how satisfied are you with the area where you live?  
MCZ\_5g Overall, how satisfied with amount of time have to do things like doing?  
MCZ\_5h Overall, how satisfied are you with the wellbeing of your child/children?

**June 2011** [f1106\_mcz.sav]

- MCZ\_1 Overall, how satisfied are you with your life nowadays?
- MCZ\_2 Overall, to what extent feel things you do in your life are worthwhile?
- MCZ\_3 Overall, how happy did you feel yesterday?
- MCZ\_4 Overall, how anxious did you feel yesterday?
- MCZ\_5a Overall, how satisfied are you with your personal relationships?
- MCZ\_5b Overall, how satisfied are you with your physical health?
- MCZ\_5c Overall, how satisfied are you with your mental wellbeing?
- MCZ\_5d Overall, how satisfied are you with your work situation?
- MCZ\_5e Overall, how satisfied are you with your financial situation?
- MCZ\_5f Overall, how satisfied are you with the area where you live?
- MCZ\_5g Overall, how satisfied with amount of time have to do things like doing?
- MCZ\_5h Overall, how satisfied are you with the wellbeing of your child/children?
- MCZ\_6a Overall, how satisfied with your life were you five years ago?
- MCZ\_6b Overall, how satisfied with your life were you 12 months ago?
- MCZ\_7a Overall, how optimistic do you feel about the next five years?
- MCZ\_7b Overall, how optimistic do you feel about the next 12 months?
- MCZ\_8a On which step of the ladder would you say you personally feel you stand at this time?
- MCZ\_8b On which step of the ladder do you think you will stand about five years from now?
- MCZ\_9 How satisfied balance between time spend paid work, time spend other aspects of life?

**July 2011** [f1107\_mcz.sav]

- MCZ\_1 Overall, how satisfied are you with your life nowadays?
- MCZ\_2 Overall, to what extent feel things you do in your life are worthwhile?
- MCZ\_3 Overall, how happy did you feel yesterday?
- MCZ\_4 On a scale, how anxious did you feel yesterday?
- MCZ\_5 Overall, how satisfied with amount of time have to do things like doing?
- MCZ\_6 How lonely do you feel in your daily life?
- MCZ\_7 In your daily life, how much opportunity do you feel you have to show how capable you are?
- MCZ\_8 To what extent do you generally feel you have a sense of direction in your life?
- MCZ\_9 How satisfied balance between time spend paid work, time spend other aspects of life?
- MCZ\_10 How important is it to you to learn new things?
- MCZ\_11 How well do you generally get on with people around you?
- MCZ\_12 How useful a role do you feel you play in the world around you?
- MCZ\_13 To what extent do you feel that people treat you with respect?
- MCZ\_14 To what extent do you feel appreciated by the people you know?
- MCZ\_15 How optimistic do you feel about your future?
- MCZ\_16 To what extent do you feel a sense of accomplishment from things you do in your daily life?
- MCZ\_17 How quickly do you feel you return to normal after setbacks in your life?
- MCZ\_18 To what extent do you feel that you learn new things in your daily life?
- MCZ\_19 To what extent do you feel able to deal with important problems in your life?

Name **August 2011** [f1108\_mcz.sav]

- MCZ\_1 Overall, how satisfied are you with your life nowadays?
- MCZ\_2 Overall, to what extent feel things you do in your life are worthwhile?
- MCZ\_3 Overall, how happy did you feel yesterday?
- MCZ\_4 Overall, how anxious did you feel yesterday?
- MCZ\_5 Overall, how relaxed did you feel yesterday?
- MCZ\_6 Overall, how calm did you feel yesterday?
- MCZ\_7 Overall, how content did you feel yesterday?
- MCZ\_8 Overall, how excited did you feel yesterday?
- MCZ\_9 Overall, how energised did you feel yesterday?
- MCZ\_10 Overall, how peaceful did you feel yesterday?
- MCZ\_11 Overall, how joyful did you feel yesterday?
- MCZ\_12 Overall, how much enjoyment did you experience yesterday?
- MCZ\_13 Overall, how much pain did you experience yesterday?
- MCZ\_14 Overall, how stressed did you feel yesterday?
- MCZ\_15 Overall, how worried did you feel yesterday?
- MCZ\_16 Overall, how angry did you feel yesterday?
- MCZ\_17 Overall, how lonely did you feel yesterday?
- MCZ\_18 Overall, how tired did you feel yesterday?
- MCZ\_19 Overall, how bored did you feel yesterday?

MCZ_1	Overall, how satisfied are you with your life nowadays?
MCZ_2	Overall, to what extent do you feel that the things you do in your life are worthwhile?
MCZ_3	Overall, how happy did you feel yesterday?
MCZ_4	Overall, how anxious did you feel yesterday?
MCZ_5	To what extent do you feel most people can be trusted?
MCZ_6	To what extent do you feel that you have anyone to discuss personal matters with?
MCZ_7	To what extent do you feel you have any relatives, friends or neighbours that you can ask for help?
MCZ_8	Overall, how satisfied are you with the local area where you live?
MCZ_9	To what extent do you feel that you are involved in the local area where you live?
MCZ_10	To what extent do you feel you belong in the local area where you live ?
MCZ_11	To what extent feel local area is place where people from different backgrounds get on well together?
MCZ_12	To what extent do you feel you can influence local decisions?
MCZ_13	To what extent do you feel people in this local area pull together to improve the neighbourhood?
MCZ_14	How satisfied with public gardens, parks, commons, other green spaces in local area where you live?
MCZ_15	How safe would you feel walking alone in this local area after dark?
MCZ_16a	In general, how would you rate the quality of public health services in this country?
MCZ_16b	In general, how would you rate the quality of the state education system (in this country)?
MCZ_16c	In general, how would you rate the quality of public transport (in this country)?
MCZ_16d	In general, how would you rate the quality of state childcare services (in this country)?
MCZ_16e	In general, how would you rate the quality of care services for the elderly (in this country)?
MCZ_16f	In general, how would you rate the quality of the state pension system (in this country)?
MCZ_17a	How much do you personally trust the legal system in this country?
MCZ_17b	How much do you personally trust the police (in this country)?
MCZ_17c	How much do you personally trust the media (in this country)?
MCZ_17d	How much do you personally trust the political system (in this country)?
MCZ_18	To what extent do you feel informed about new and current affairs affecting this country?
MCZ_19	How satisfied are you with living in this country?
MCZ_20	How optimistic are you about the future of this country?
MCZ_21	Over next 12 months, think overall situation of this country will get better, stay the same, get worse?

Classification variables retained from full April 2011 file

MCZident	Sample mode
GorA	Government Office Region
TENgrp	Grouped Tenure
DVHsize	Household size
NumAdult	Number of adults in household (16 years or older)
NumChild	Number of children in household (under 16)
NumDepCh	Number dependent children in hhld (under 16 or 16-18 never married not foster child)
N1to4	No. of children in household aged 0-4
N5to10	No. of children in household aged 5-10
N11to15	No. of children in household aged 11-15
RSEX	Sex of Respondent
RAGE	Respondent s age
AGEX	Grouped age
AGEH	Grouped Age
Respmar	Legal marital status of respondent
LivWth	Living with someone in the household as a couple
DeFact1	De Facto Marital status- grouped
DeFacto	De Facto Marital status
HHtypA	Household type A
Parent	Are you (or partner) parent, guardian of any children under 16 in household?
ParTod	Are you (or partner) parent, guardian of any child 0-4 in the household?
Cars	Does household have any cars or vans normally available for its use?
CAR	Number of cars/vans available to the household - grouped
EdAgeCor	How old were you when you finished full time education?
HighEd1	What is the highest level of qualification?
highed4	What is the highest level of qualification?
QHealth	How is your health in general?
LSIll	Have any long-standing illness, disability or infirmity?
IllLim	Does this illness or disability limit your activities in any way?
DVIL03a	DV for ILO in employment - 3 categories
DVIL04a	DV for ILO in employment - 4 categories
Stat	Working as an employee or self-employed?
Supvis	In your job, have formal responsibility for supervising work of other employees?
Manage	Do you have any managerial duties?
Solo	Working on your own or do you have employees?
FtPtWk	Full or part time work?
NSECAC5	NS-SEC 5 categories
NSECAC3	NS-SEC 3 categories
sumgross	Gross Annual Income
INDWGT	Calibration Weight
wta	Weight A

This set may well be reduced once I've had a chance to investigate the relationship with appropriate well-being and satisfaction measures.