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

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1: Notes on first encounter with the unrestricted teaching data set   (SN7146)

[**Draft only**: 2 May 2015]

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.

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:

*opn_teaching_dataset.sav [DataSet1] - IBM SPSS Statistics Data Editor

File   Edit   View   Data   Transform   Analyze   Direct Marketing   Graphs   Utilities   Add-ons   Window   Help

	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
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
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
21	DVILO3a	Numeric	1	0	DV for ILO in employment - 3 categories	{1, In Empl…	None	7
22	FtPtWk	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
25								

Data View   Variable View

IBM SPSS Statistics Processor is ready   Unicode:ON

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

*opn_teaching_dataset.sav [DataSet1] - IBM SPSS Statistics Data Editor

File   Edit   View   Data   Transform   Analyze   Direct Marketing   Graphs   Utilities   Add-ons   Window   Help

	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	
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	DVILO3a	Numeric	1	0	DV for ILO in employment - 3 categories	{1, In Employment}…	None	7	
22	FtPtWk	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	
25									

Data View   Variable View

IBM SPSS Statistics Processor is ready   Unicode:ON

Variable and value labels

No text labels for **MCZ_1** to **MCZ_h5** endpoints (rows 3 – 14), just repeated numeric values on all scale points.

Variable names

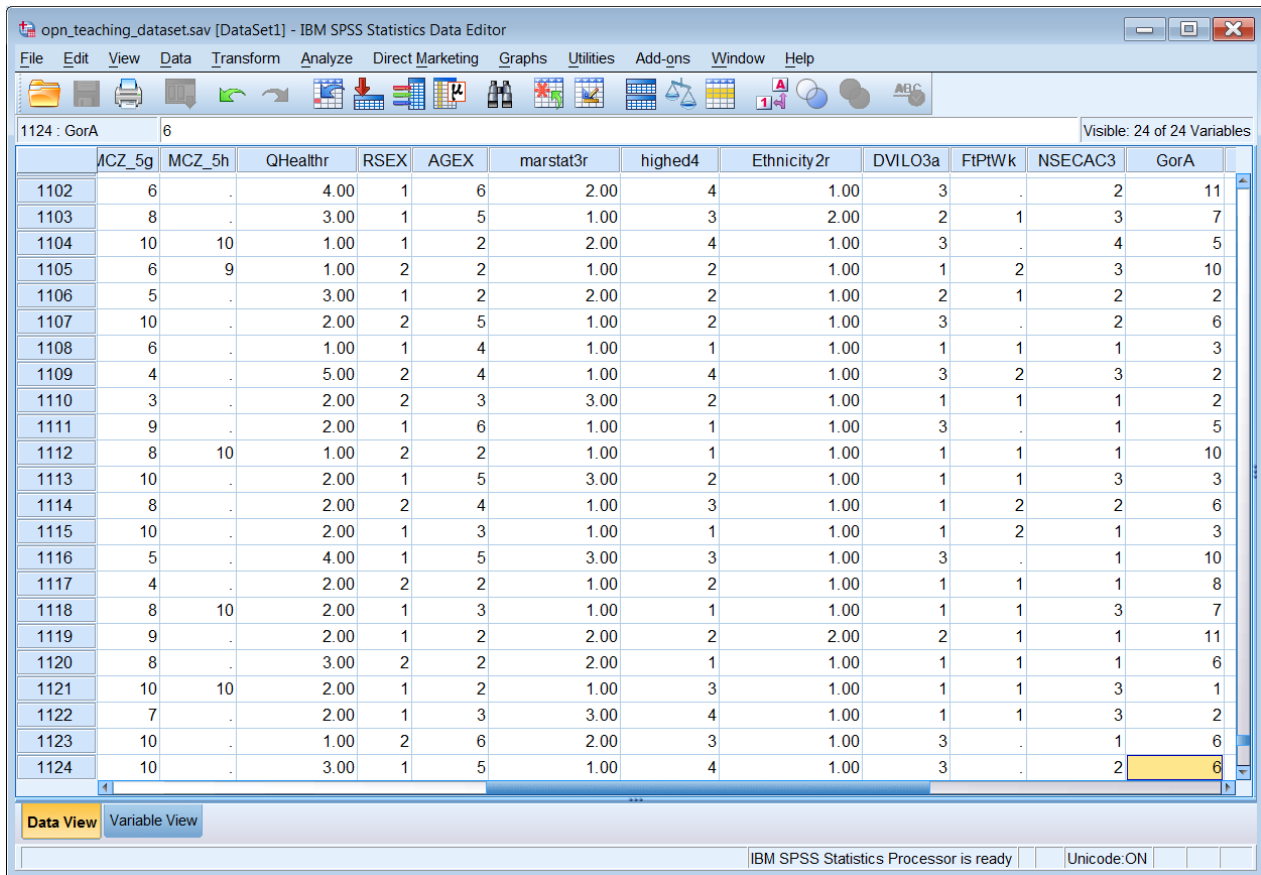Note the suffix ~ ~ r used for **recoded** variables.

Values

Values for derived integer variables have superfluous decimal places (default format for new numeric variables).

qhealthr   {**1.00,** Very good}...
marstat3r   {**1.00,** Married/Cohabiting (incl. same sex couples)/Civil Partner}...
ethnicity2r   {**1.00,** White}...

Switch to Data View and you will see them clearly:

	MCZ_5g	MCZ_5h	QHealthr	RSEX	AGEX	marstat3r	highed4	Ethnicity2r	DVILO3a	FtPtWk	NSECAC3	GorA
1102	6	.	4.00	1	6	2.00	4	1.00	3	.	2	11
1103	8	.	3.00	1	5	1.00	3	2.00	2	1	3	7
1104	10	10	1.00	1	2	2.00	4	1.00	3	.	4	5
1105	6	9	1.00	2	2	1.00	2	1.00	1	2	3	10
1106	5	.	3.00	1	2	2.00	2	1.00	2	1	2	2
1107	10	.	2.00	2	5	1.00	2	1.00	3	.	2	6
1108	6	.	1.00	1	4	1.00	1	1.00	1	1	1	3
1109	4	.	5.00	2	4	1.00	4	1.00	3	2	3	2
1110	3	.	2.00	2	3	3.00	2	1.00	1	1	1	2
1111	9	.	2.00	1	6	1.00	1	1.00	3	.	1	5
1112	8	10	1.00	2	2	1.00	1	1.00	1	1	1	10
1113	10	.	2.00	1	5	3.00	2	1.00	1	1	3	3
1114	8	.	2.00	2	4	1.00	3	1.00	1	2	2	6
1115	10	.	2.00	1	3	1.00	1	1.00	1	2	1	3
1116	5	.	4.00	1	5	3.00	3	1.00	3	.	1	10
1117	4	.	2.00	2	2	1.00	2	1.00	1	1	1	8
1118	8	10	2.00	1	3	1.00	1	1.00	1	1	3	7
1119	9	.	2.00	1	2	2.00	2	2.00	2	1	1	11
1120	8	.	3.00	2	2	2.00	1	1.00	1	1	1	6
1121	10	10	2.00	1	2	1.00	3	1.00	1	1	3	1
1122	7	.	2.00	1	3	3.00	4	1.00	1	1	3	2
1123	10	.	1.00	2	6	2.00	3	1.00	3	.	1	6
1124	10	.	3.00	1	5	1.00	4	1.00	3	.	2	6

This is because no **FORMATS** command was used when they were created (or because the SPSS default settings for new numeric variables were not changed from F8.2 to F8.0 or F5.0). If you go back to Variable View you can change them manually in the **Decimals** column of the **Data Editor**, but this leaves no audit trail of the changes made.

*opn_teaching_dataset.sav [DataSet1] - IBM SPSS Statistics Data Editor

File   Edit   View   Data   Transform   Analyze   Direct Marketing   Graphs   Utilities   Add-ons   Window   Help

	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	5	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	highed4	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	DVILO3a	Numeric	1	0	DV for ILO in employment - 3 categories	{1, In Employment}...	None	7	Right	Nominal
22	FtPtWk	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

Data View   Variable View

IBM SPSS Statistics Processor is ready   Unicode:ON

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?

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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.**
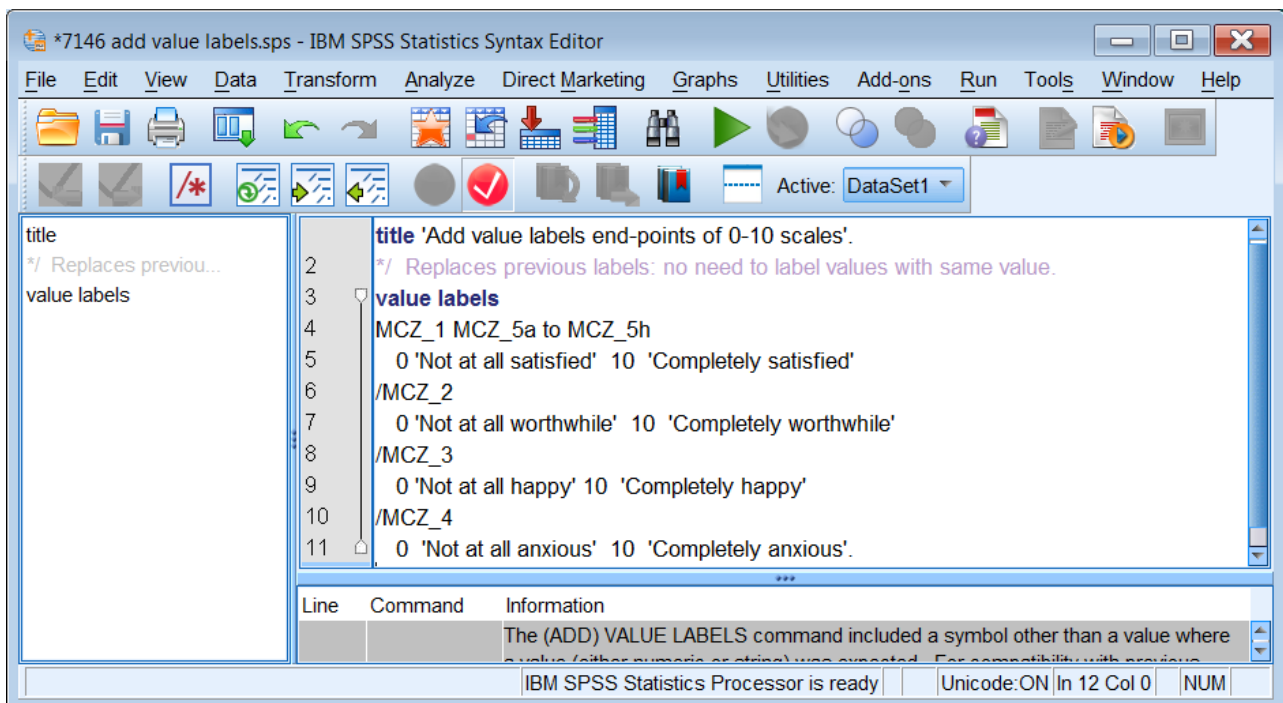
. . and press the green arrow ▶ to execute the command.
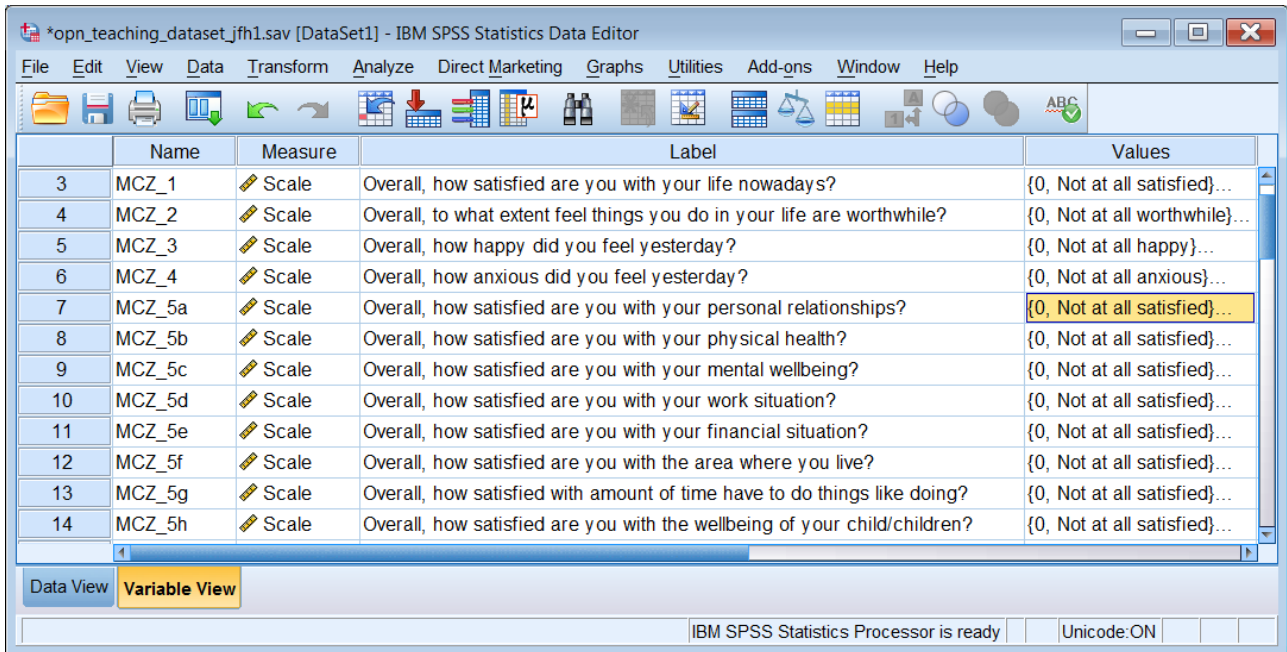
This also deletes the labels for points 1 – 9 which simply, and unnecessarily, repeat the numeric value of the response.

Data >> Define Variable Properties to check changes:
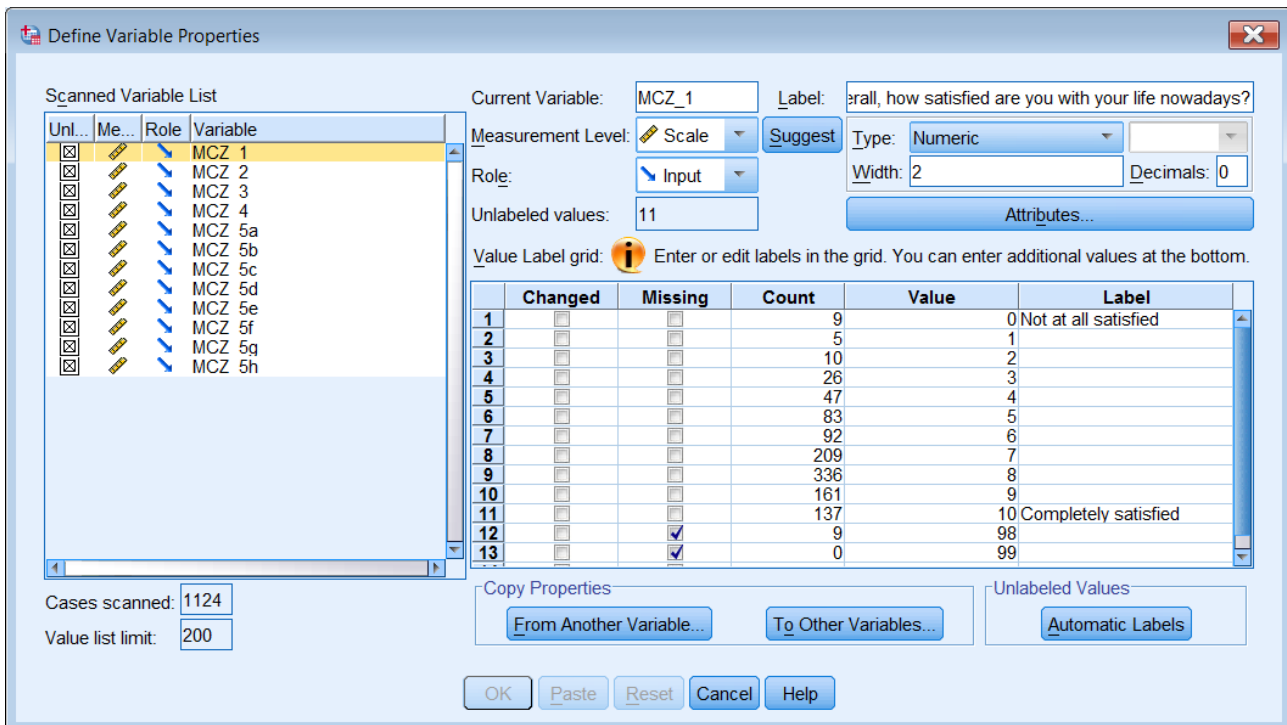
2: Correct formats for (integer) variables with superfluous decimals:

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

frequencies QHealthr marstat3r Ethnicity2r.
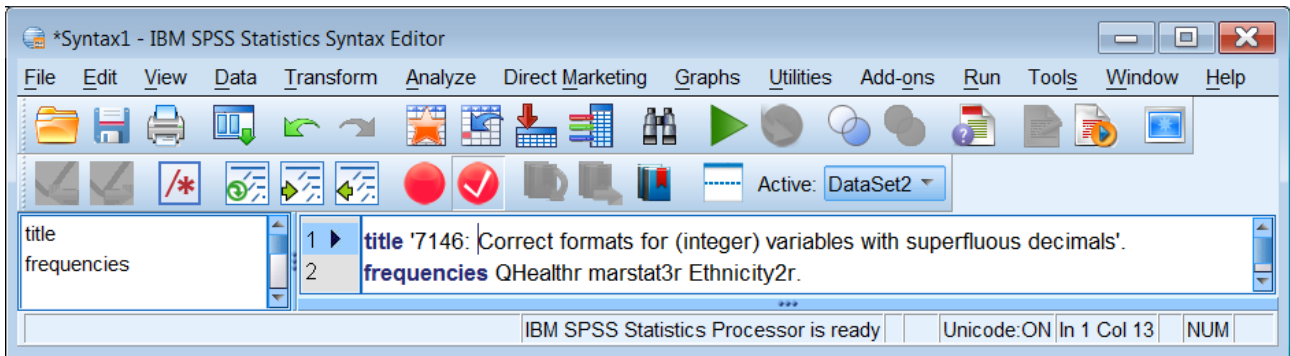
. . and press the green arrow to execute the command.

[**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		

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Change the stored formats with:

formats
    casenew QHealthr marstat3r Ethnicity2r (f2.0).

. . and run frequencies again:

frequencies
        QHealthr marstat3r Ethnicity2r.
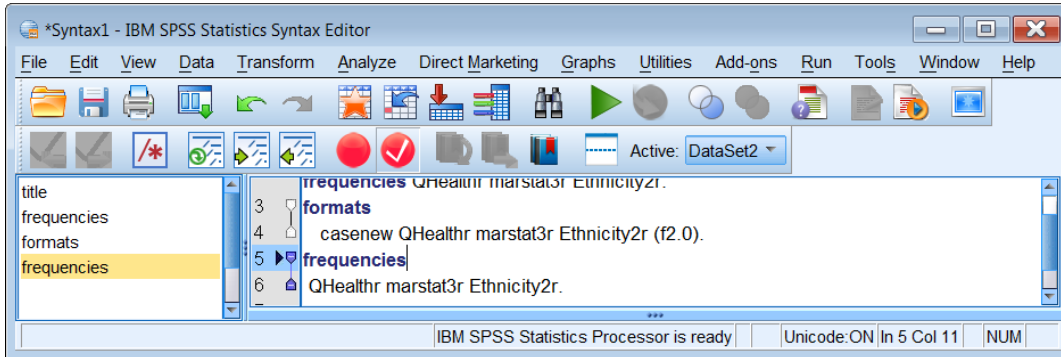
Highlight the new commands:
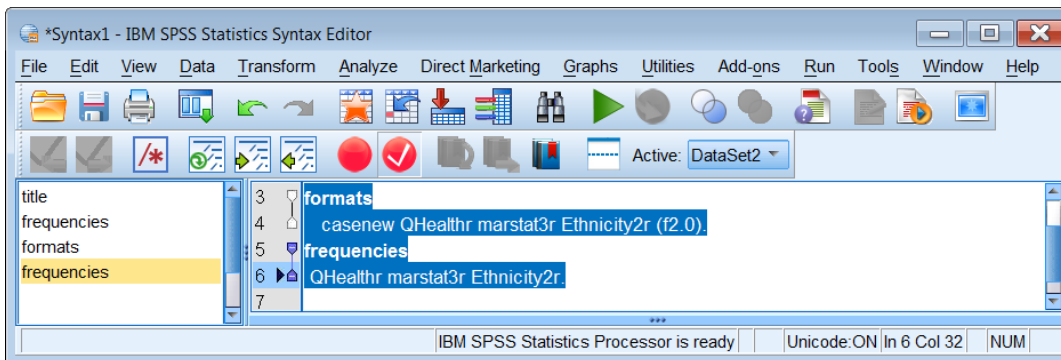
. . and press the green arrow

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	

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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	
	MCZ_5h	Scale	Overall, ...	{0, Not ...	98, 99	0	
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

3	MCZ_1	Ordinal
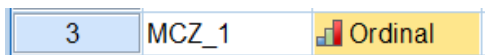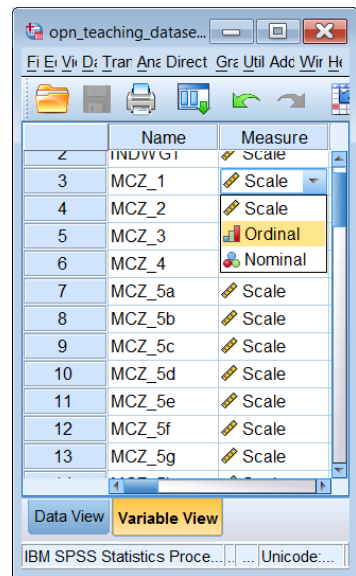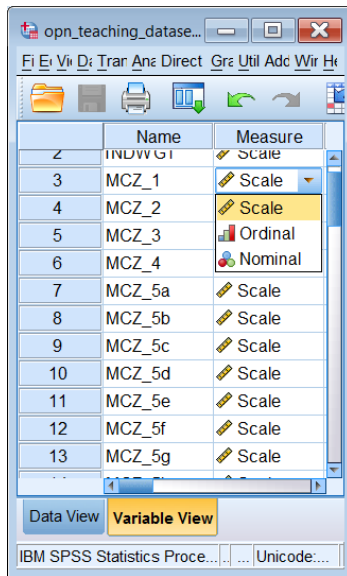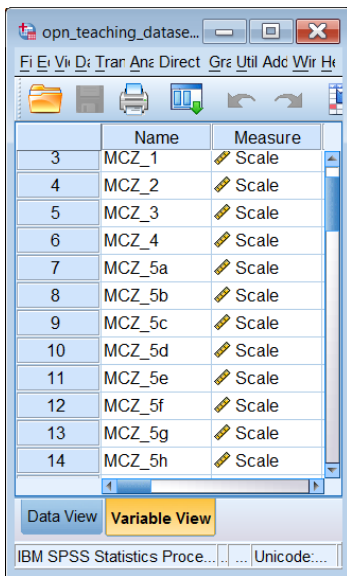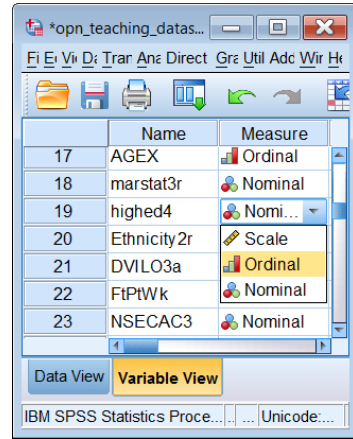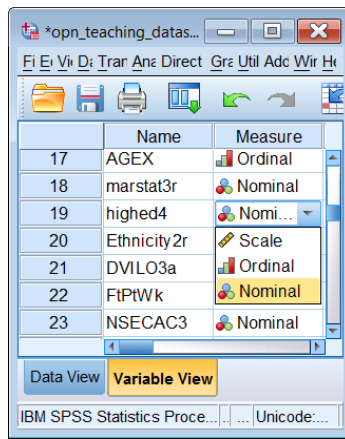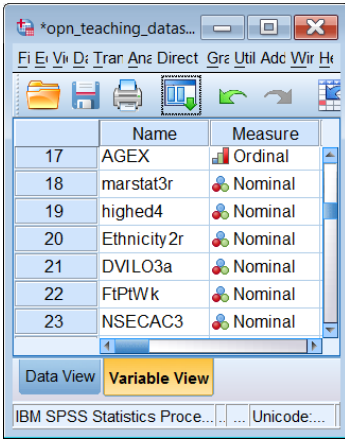
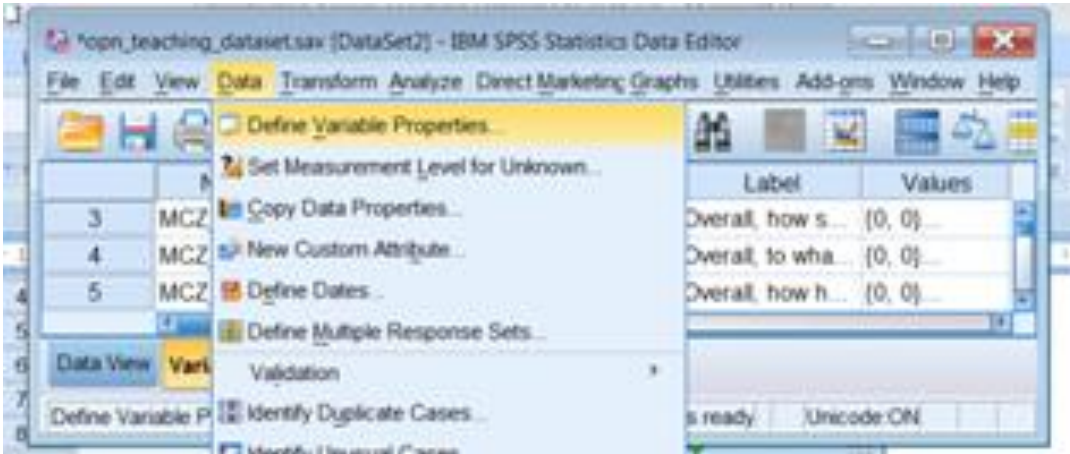but this leaves no audit trail of changes made. It's better to use syntax:

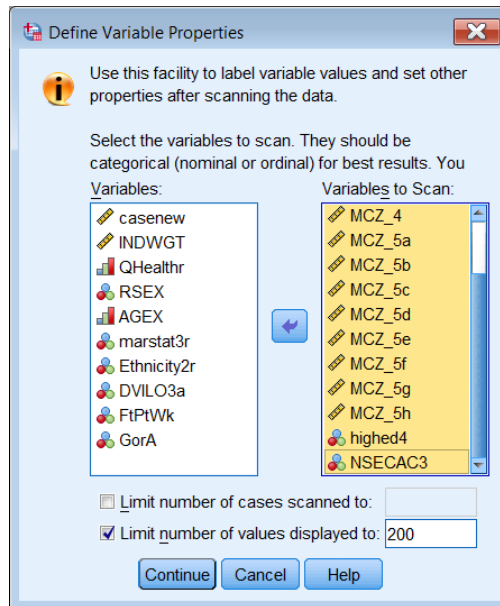**variable level**
    mcz_1 to mcz_5h highed4 NSECAC3 (Ordinal).
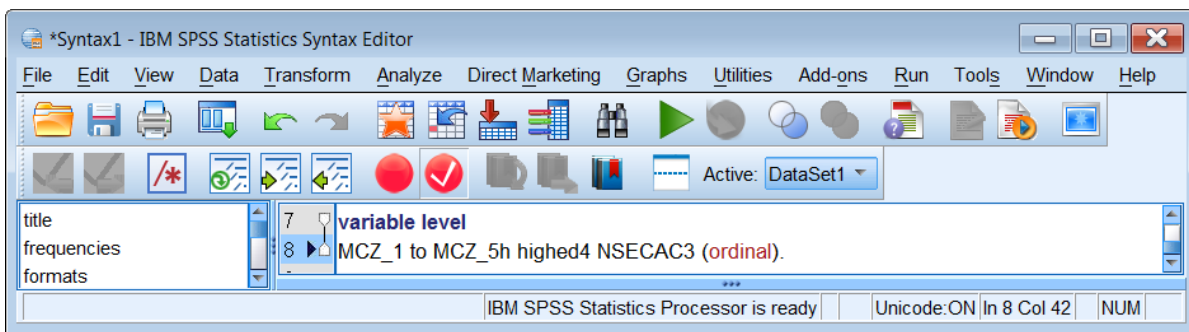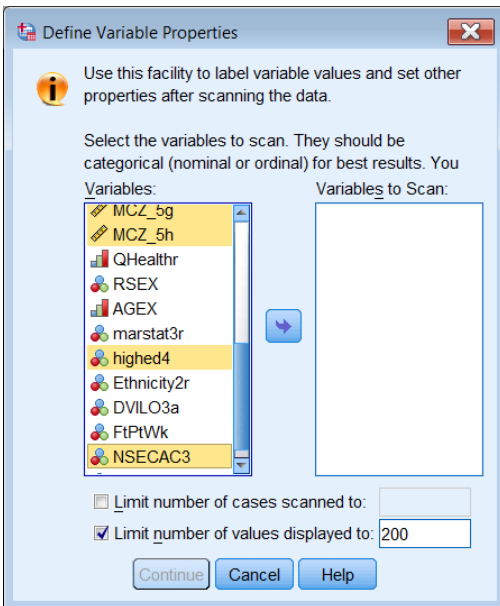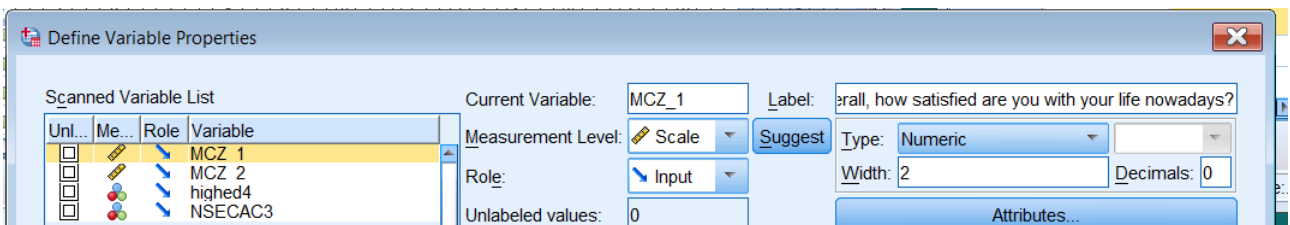

. . changes the measurement levels:
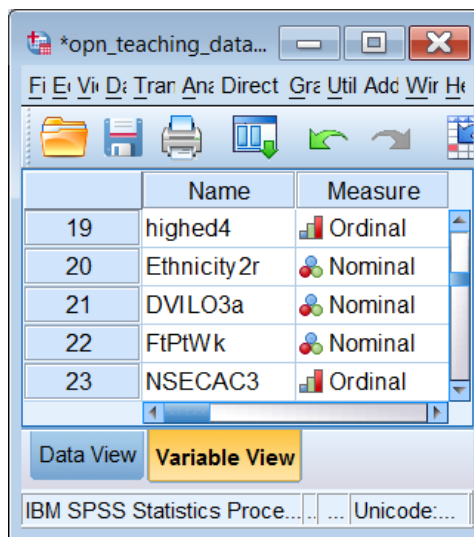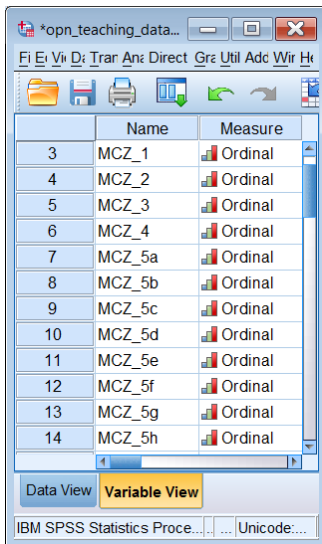
Changes to variable properties can also be made via Data >> Define Variable Properties (DVP)
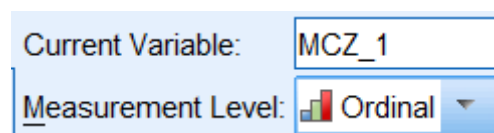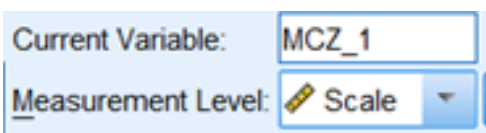

Highlight the variables whose properties you need to change, click on ⬌ to transfer them to the right hand pane:
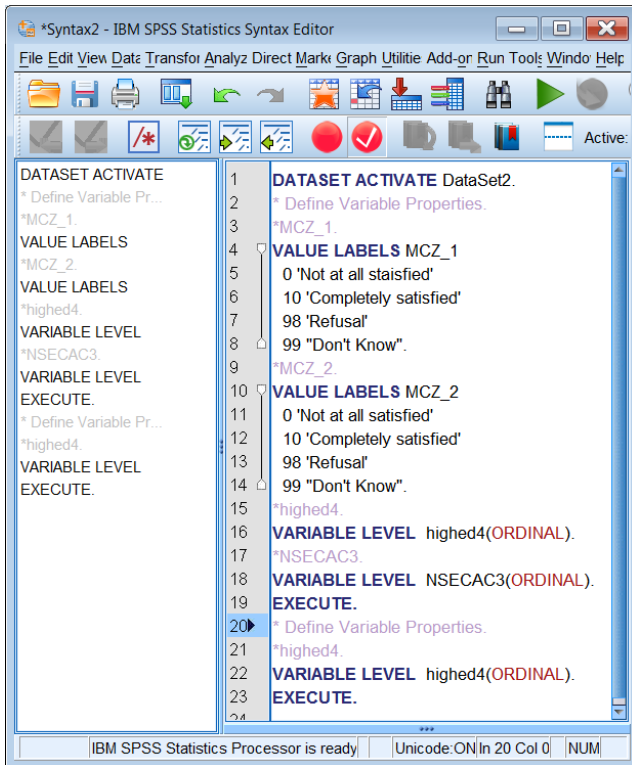

then click on Continue

Make the changes you want:

Value	Label
0	Not at all satisfied
~ ~ ~ ~ ~ ~ ~ ~	
10	Completely satisfied

Current Variable:	highed4
Measurement Level:	🔴 Nomi... ▼

Current Variable:	highed4
Measurement Level:	📊 Ordinal ▼

and click on | Paste | 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.

13

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.

Domain	Additional variables needed

Health   **LSIll** Have you any long-standing illness, disability or infirmity?
1 Yes
2 No
8 Refused
9 Don't know

IllLim 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

Work   **Sumgross**   Annual Gross Income

NET99UK   What was your take home pay after all deductions the last time you were paid?

ES2010 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?

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?

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.

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? * LSIll Have any long-standing illness, disability or infirmity?

MCZ_5b Overall, how satisfied are you with your physical health?

LSIll 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

<div align="center">Month Survey period</div>

		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?

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?

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?

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?
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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?
DVILO3a	DV for ILO in employment - 3 categories
DVILO4a	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.