Survey Analysis Workshop **Copyright © 2011 John F Hall**

Block 2: Analysing one variable

2.1: Nominal and ordinal variables (detailed contents)

2.1.1 myclass3.sav SPSS saved file for pre-course self-completion questionnaires (Data set used)

2.1.2.1 Tutorial - Frequencies for nominal and ordinal variables [8pp]

Exemplar**:**	Pre-course survey of interests and experience.
Folder:	**myclass**
Document**:**	Questionnaire
File**:**	myclass3.sav
SPSS:	**FREQUENCIES**

2.1.2.2 Exercise - Frequencies for nominal and ordinal variables [4pp]

Exemplar**:**	Pre-course survey of interests and experience.
Folder:	**myclass**
Document**:**	Questionnaire
File**:**	myclass3.sav
Tasks:	1: Produce a frequency count (with barchart) for mode of travel [**v24**]
	2: Produce a frequency count for satisfaction with the NHS [**v14**]
SPSS:	**TITLE ~ ~ ~ ~**
	FREQUENCIES ~ ~ ~ ~

2.1.2.3 Questions and data for nominal and ordinal variables [4pp]

Exemplar:	British Social Attitudes 1986 (facsimile questions)
Task**:**	Locate questions and data locations for marital status and satisfaction with the way the NHS runs
Questions:	Q.58 Satisfaction with way NHS runs
	Q.113b Marital status
New folder:	mybsa
Download:	bsa86.txt
Homework:	Write SPSS commands to read in raw data.

2.1.2.4 Reading in data for nominal and ordinal variables [12pp]

Exemplar:	British Social Attitudes 1986
Task**:**	1: Read in the raw data for marital status and satisfaction with the way the NHS runs
	2: Save the contents of the data editor in a *.sav file and the syntax editor in a *.sps file.
Variables:	v541 Q.58 Satisfaction with way NHS runs
	v1510 Q.113b Marital status
Folder:	mybsa
Files:	bsa86.txt
SPSS:	**TITLE**
	DATA LIST
	EXECUTE
New files:	mybsa86_1.sps
	mybsa86_1.sav
Homework:	Write SPSS commands to add missing values, variable labels and value labels for v541 and v1510.

2.1.2.5 Extending your data dictionary [14 pages]

Exemplar: British Social Attitudes 1986
Task: 1: Add missing values, variable labels and value labels for
v541 (Q.58 Satisfaction with the way the NHS runs nowadays) and
v1510 (Marital status of respondent)

2: Save the contents of the data editor in a *.sav file and the syntax
editor in a *.sps file.
Variables: v541 Q.58 Satisfaction with way NHS runs
v1510 Q.113b Marital status
Folder: mybsa
Files: mybsa86_1.sav
SPSS: **TITLE**
MISSING VALUES
VARIABLE LABELS
VALUE LABELS
New files: mybsa86_2.sps
mybsa86_2.sav

2.1.2.6 Checking your file contents [6 pages]

Exemplar: British Social Attitudes 1986
Task: Check contents of file for accuracy and completeness.
Variables: v541 Q.58 Satisfaction with way NHS runs
v1510 Q.113b Marital status
Folder: mybsa
Files: mybsa86_2.sav
SPSS: **DISPLAY**
GUI: Utilities > Variables
Data > Define Variable Properties
Analyze > Reports > Codebook

2.1.2.7 Frequencies for nominal and ordinal variables [6 pages]

Exemplar: British Social Attitudes 1986
Task: Produce frequency counts and bar charts
Variables: v541 Q.58 Satisfaction with way NHS runs
v1510 Q.113b Marital status
Folder: mybsa
Files: mybsa86_2.sav
SPSS: **FREQUENCIES**
New files: **mybsa86_freq1.sps**
Homework: Repeat exercises 2.1.2.3 to 2.1.2.7 on the 1989 British Social Attitudes
survey, but **do the housekeeping first** to tidy up your files and folders.

2.1.2.8 Housekeeping [3 pages]
[necessary to avoid clutter on your desktop]

Task: Housekeeping operations
Folder: mybsa
New folders: mybsa86
mybsa89
File: bsa89.txt

Exemplar: British Social Attitudes 1989
Folder: mybsa89
File: bsa89.txt
Homework 1:   Create an SPSS saved file containing the correct data for the above two
              questions from the 1989 British Social Attitudes survey, together with an
              appropriate data dictionary. *(See exercises 2.1.2.3 to 2.1.2.7 on the 1986
              survey).*
Homework 2:   Produce a frequency count for marital status of the respondent and a
              frequency count with barchart for satisfaction-dissatisfaction with the way the
              NHS runs (see exercise 2.1.2.7 on the 1986 survey).

Exemplar: British Social Attitudes 1989
Folder: mybsa89
File: bsa89.txt
SPSS: **TITLE**
              SUBTITLE
              COMMENT
              DATA LIST
              MISSING VALUES,
              VARIABLE LABELS
              VALUE LABELS
New files: mybsa89_1.sps
              mybsa89_1.sav

Exemplar: British Social Attitudes 1989
Folder: mybsa89
File: mybsa89_1.sav
SPSS: **LIST**

              DISPLAY

GUI: Utilities > Variables

              Data > Define Variable Properties

              Analyze > Reports > Codebook

Exemplar: British Social Attitudes 1989
Folder: mybsa89
File: mybsa89_1.sav
SPSS: **FREQUENCIES**