**Exercise data**

The dataset described in this section provides the raw data in MS Excel format that are used in chapter 35 for illustrating statistical procedures. The data are hypothetical and focus on travel commuting behaviour in three areas of South West England and are based on a questionnaire which is given at the end of this section. The questionnaire explores hypothetical daily return travelling distances (for work) for 30 individuals in the South West of England in 2011, along with a series of attributes and attitudes for the 30 individuals. The variables were measured and coded for each individual as follows and can be used to replicate the procedures undertaken in chapter 35 and to practice transferring data into MINITAB and SPSS:

|  |  |
| --- | --- |
| Variable name | Measure |
| ID | ID number |
| Sample site | 1: Exeter  2: Taunton  3: Newton Abbott |
| Distance travelled 2011 | Kilometres per week |
| Enjoyment of travel | 5 (enjoy a lot)  4 (enjoy)  3 (no opinion)  2 (dislike)  1 (dislike a lot) |
| Travel mode | 1 (Car)  2 (Bus)  3 (Train) |
| Gender | 1 (Male)  2 (Female) |
| Age groups\*\* | 1 (16-25)  2 (26-35)  3 (36-45)  4 (46-55)  5 (56-65) |
| Income | Pounds Sterling (Thousands Gross) |
| Rural index | 1 (Sparse population)  2 (Village)  3 (Town)  4 (City)  5 (Conurbation) |
| Travel attitude (quality of life)\* | 1 (strongly disagree)  2 (disagree)  3 (neutral)  4 (agree)  5 (strongly agree) |
| Travel attitude (live near work) | 1 (strongly disagree) – 5 (strongly agree) |
| Travel attitude (enjoy relaxing) | 1 (strongly disagree) – 5 (strongly agree) |
| Travel attitude (good job) | 1 (strongly disagree) – 5 (strongly agree) |
| Travel attitude (separate work/home) | 1 (strongly disagree) – 5 (strongly agree) |
| Travel attitude (monetary value) | 1 (strongly disagree) – 5 (strongly agree) |

\* These final six items were attitude statements based on the quality given in brackets and were measured on 5-point agreement scales.   
\*\*Missing data coded 99.

**Travel attitudes survey 2011**

Thank you for agreeing to complete this questionnaire. Please answer all of the questions below by either writing in your answer or ticking the relevant box.

**Questionnaire ID: \_\_\_\_\_\_ (Researcher’s use only)**

**Sample: \_\_\_\_\_\_\_\_\_\_\_ (Researcher’s use only)**

1. How far, to the nearest kilometre, would you say you travelled to work each day?

Please write your answer here \_\_\_\_\_\_

1. Using the following scale, how much would you say you enjoyed travelling? Please tick one box.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Enjoy a lot** | **Enjoy** | **No opinion** | **Dislike** | **Dislike a lot** |
|  |  |  |  |  |

1. How do you travel to work (if you use more than one of these, please tick the one that you use most frequently)?

|  |  |  |
| --- | --- | --- |
| **Car** | **Bus** | **Train** |
|  |  |  |

1. Please indicate your gender? Please tick one box.

|  |  |
| --- | --- |
| **Male** | **Female** |
|  |  |

1. Which age group do you fall into? Please tick one box.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **16-25** | **26-35** | **36-45** | **46-55** | **56-65** |
|  |  |  |  |  |

1. Please let us know your annual gross income in Pounds Sterling to the nearest thousand

Please write you answer here: \_\_\_\_\_\_\_

1. How would you describe the area where you live? Please tick one box.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sparsely populated** | **Village** | **Town** | **City** | **Conurbation** |
|  |  |  |  |  |

1. How far do you agree with each of these statements? Please tick one box per row.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Strongly disagree | Disagree | Neutral | Agree | Strongly agree |
| I value my quality of life over my job |  |  |  |  |  |
| I like to live as near to work as I can |  |  |  |  |  |
| I enjoy time to relax |  |  |  |  |  |
| I am keen to have the best available job, even where I have to sacrifice quality of life |  |  |  |  |  |
| I like to have a clear distance between work and home |  |  |  |  |  |
| I’d rather be earning money than relaxing |  |  |  |  |  |

**End of survey**