

Applied Medical Statistics using SAS: programs and datasets.

This document describes the online materials accompanying “Applied Medical Statistics using SAS”.

Programs and datasets

The contents of this zip file comprise the programs and datasets used in the book.

Extracting the files

When the programs were written the datasets they refer to were held in the directory, c:\amsus\data. The programs will run as they stand if the datasets are extracted to a directory of the same name. To do this copy the zip file to the root of the C drive (i.e. to c:\) and extract the files using the Windows wizard. If another method of extracting the files is used, select the option to “Use Folder Names”. The programs will be extracted to c:\amsus\programs. There is one program file for each chapter.

If the datasets are extracted to a directory other than c:\amsus\data, the filename statements in the programs will need to be changed accordingly.

Running the Programs

The program for each chapter is self contained. If a dataset from an earlier chapter is used, the code for reading in the data is repeated in the later chapter.

Macros

Chapter 5 makes use of two SAS macros that we have written, both for convenience of use and as examples of relatively simple macros (see also page 37-38). These should be extracted from the zip file to the directory c:\amsus\macros in order for the code of chapter 5 to work as is. If they are put in another directory, the %inc statements (as, for example, on page 147 and 148) will need to be changed.

Output format and layout

The SAS output given in the book was generated using ODS as rtf files with a version of the ‘Theme’ style (see pages 33-34) modified to produce monochrome graphics rather colour, as this was simpler for the production of the book. The code to produce this style is in the macros directory in the file ‘greytheme.sas’. To use this style, include the statements:

```
%inc 'c:\amsus\macros\greytheme.sas';  
ods rtf style=greytheme;
```

The layout of the output is determined by the page size settings in force during the SAS session, i.e. by the paper size, orientation and margin sizes. These can be set via the File menu in SAS or by SAS option statements as shown on page 35, where the actual settings used are given. Even with the same settings, the layout given in the book may not exactly match that generated by users as some minor cosmetic changes were made during the production of the book.

