INSTITUTE AND FACULTY OF ACTUARIES

PRE-WORK MATERIAL

September 2023

Subject CS2 - Risk Modelling and Survival Analysis

INSTRUCTIONS TO THE CANDIDATES

You are provided with this advance information to enable you to read, understand and action in your own time, and not under examination conditions.

This instruction sheet provides you with four data files for you to use in the examination:

CS2B_S23_Q1_Deaths

CS2B_S23_Q1_Exposures

CS2B_S23_Q2_Data

CS2B_S23_Q3_Pensioners

These data files need to be loaded into R by first saving them onto the computer you are going to be using in the examination. Once you have completed this then you need to load the data into R ready for use during the examination.

To test that you have successfully loaded the required R Packages, run the following codes in order within R:

Code:

```
x = c(1:10)
mean(x)          checks base package
sd(x)            checks stats package
plot(x)          checks graphics package
combn(x,10)      checks utils package
```

If these are completed with no error the four packages are successfully installed.

Further guidance on how to load the data and the packages required can be found in "Getting started with R" and "Using R in CS1B and CS2B" on the website

If you encounter any issues, please contact the Examinations Team on +44 (0) 1865 268873

END OF PRE-WORK MATERIAL