**INSTITUTE AND FACULTY OF ACTUARIES**

**PRE-WORK MATERIAL**

September 2024

**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 five data files for you to use in the examination:

S24\_Q1\_sales\_data.csv

S24\_Q2\_MortData1.csv

S24\_Q2\_Table1.csv

S24\_Q2\_Table2.csv

S24\_Q3\_Data.csv

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](https://www.actuaries.org.uk/studying/curriculum-2019/actuarial-statistics)

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

**END OF PRE-WORK MATERIAL**

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