Using R for CS1 Paper B and CS2 Paper B – 2025 exams

You will need to be confident in the use of the statistical package 'R' for the problem-based questions in the B Papers of CS1 and CS2.

> You are strongly recommended to verify and set up your R Console or R Studio prior to exam day.

The IFoA cannot offer technical support with the installation or configuration of R Console/R Studio and associated packages and can only support with technical aspects of the online examination platform.

The versions of R, R Studio and R packages required for CS1B and CS2B in 2025 exams are listed below.

While later versions may be available for download, you are welcome to choose those, but please be aware of the following:

- some functionality may differ and therefore output could vary from the defined marking solutions.
- the Examination team endeavour to mark all alternative output, but it cannot be guaranteed that every variation will be recognised.

No prior knowledge will be needed for any package not included in the core reading.

PERMITTED		
Version of R required	**Version of R Studio required**	**Packages**
Any release of version 4.2 (and above)	Any release of version 1.1 (32-bit operating systems) or of version 1.4 (64-bit operating systems). However we would recommend using RStudio-2023 or RStudio-2024.	base* graphics* utils* stats* glmnet markovchain Matrix survival tree randomForest

*these packages are loaded by default during the R installation – you are not required in install these separately

NOT PERMITTED
These must not be used during your examination: ✓ RMarkdown   ✓ knitR

External Data Sets

The external data sets required for CS1B and CS2B will be available on the exam platform approximately two weeks prior to the examination date.

Data files will have one of the following extensions: ".txt", ".csv" or ".Rdata".

> You are recommended to load the data sets into R prior to your examination.

Getting started with R Guide

For an overview on how to install R Console or R Studio, how to load packages and data sets, please refer to the *"Getting started with R"* guide available on website.