

# Index to Preparatory self-study for Medical Informatics in R/RStudio

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**20160608:12.08**

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This course is a set of short self-study modules to prepare the student for our course in medical informatics.

It assumes no knowledge of statistics or programming.

It is designed to guide the reader through all the steps required install a computing environment which will allow them run simple statistical analyses in R and to familiarize themselves with the R programming environment in order to then progress to more complex statistical programming.

## Modules

Click in links below:

1. [What is R?](#)

The purpose of this module:

- to give some background information about R, how and why it was developed, and what it is designed to do

2. [Installing R and RStudio](#)

The purpose of this module:

- to guide you through the process of installing R and RStudio. Everything that you need is available on line free of charge.

3. [Introducing RStudio](#)

The purpose of this module:

- A basic understanding of RStudio as an Integrated Development Environment and its key features
- An understanding of the four panel layout of RStudio and the functions of each of the panels
- The ability to use simple arithmetic, algebraic and logical operators in R

- The ability to load in a CSV file from a web based address using the Import wizard
- The ability to set the Working Directory
- An understanding of .R and .Rdata filetypes
- The ability to load and run R scripts