A PSI/GSK Training Course

R for SAS users

Presented by:
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(GSK)

17th May 2021 – 5 week virtual course

R is quickly gaining popularity within the pharmaceutical industry due to it being a very powerful object-orientated language, and is able to produce analyses and high quality graphics. It can be used for high performance computing and allows easy integration with other software.

This course is aimed at statisticians who are experienced with other software languages (such as SAS) and would like to increase their proficiency in R.

Participation will provide access to extensive course materials in the form of a 'bookdown' site. However, this is designed as a hands-on, interactive course. Both you and the trainers will work entirely within the RStudio Cloud development environment, which will remain accessible between virtual sessions in order to further explore and cement your understanding.

Topics covered include:

1. Introduction to R and RStudio
2. Data types and vectors
3. Welcome to tidyverse
4. Importing/exporting data
5. Handling data
6. Piping
7. Summaries and aggregation
8. Setting and merging
9. Transposing data
10. Introduction to statistical analysis in R
11. R Graphics with ggplot2
    a. Layering
    b. Aesthetics and groups
    c. Graph types: geoms
    d. Panelling: faceting
    e. Themes and styling

This course consists of 5 2-hour training sessions run over 5 weeks. Each session will be repeated on two mornings per week (09:45am – 12:00pm)

Session 1: Monday 17th May or Tuesday 18th May
Session 2: Monday 24th May or Tuesday 25th May
Session 3: Tuesday 1st June or Wednesday 2nd June
Session 4: Monday 7th June or Tuesday 8th June
Session 5: Monday 14th June or Tuesday 15th June

Note: A technical requirements drop in session will be scheduled the week before the course to ensure delegates can access the R Studio Cloud workspace and virtual training environment

Registration

Please register online at www.psiweb.org and click on Events.
Registration costs
PSI Members on or before 19th April: £300 plus vat
PSI Member after 19th April: £340 plus vat
Non-Members on or before 19th April: £395 plus vat (includes PSI membership for 2021)
Non-Member after 19th April: £435 plus vat (includes PSI membership for 2021)