



**20<sup>th</sup> – 21<sup>st</sup> October 2020**  
London Heathrow, UK

**A PSI Training Course**  
**R for SAS users**

**Presented by**  
**Marco Munda and Maud Hennion**

This course is aimed at statisticians and programmers who may be experienced in SAS, but have had no, or little, experience in R.

R is becoming a popular statistical package in the pharmaceutical industry. R offers many benefits over traditional statistical packages, with enhanced graphical capabilities and extensive simulation abilities.

This course will be a hands-on deep dive into R, so attendees should bring a laptop with the latest versions of R and R studio installed.

**The following topics will be covered:**

- Introduction to R Studio (packages installation and update, project creation, snippets, documentation) and to the R language
- Statistical graphics
- Programming statistical models
  - Simple linear regression
  - Multiple linear regression
  - Linear mixed effects regression
  - Logistic regression
  - Poisson regression
  - Survival regression
  - Overview of Bayesian analysis
- Simulations
- Reporting using R (R to rtf, and markdown)
- Overview of Shiny

Day 1	Registration	0930
Day 1	Course	1000-1730
Day 2	Course	0900-1645

Registration costs include lunch and refreshments on both days.	
Before 21 <sup>st</sup> February 2020	After 21 <sup>st</sup> February 2020
PSI Members: £495 + VAT Non-Members: £595 +VAT*	PSI Member: £590 + VAT Non-Member:£690 + VAT*
<ul style="list-style-type: none"> <li>• Non-member rate includes PSI membership for 1 year</li> </ul>	
Please register online at <a href="http://www.psiweb.org">www.psiweb.org</a> and click on Events	

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