



Statistical Computing Course: An Introduction to R and RStudio

Course information and registration form

A one day statistical computing course for University of Wollongong students and staff.

Target audience: intended for those postgraduate students/staff who have previously completed an introductory statistics subject and are planning to use this package.

Date: . Wednesday March 17, 2021

Time: 10am to 3:30pm with a 45 minute break for lunch (lunch not provided)

Venue: 43.G05

Cost: A charge of \$120 (or \$109 if paid by your unit) per person will be made for students currently enrolled in a research degree at UOW and salaried staff of UOW.

Outline

The aim of this course is to provide a basic introduction to R and R Studio for statistical analysis. We will use R studio to access R. and you will learn

1. how to import, edit and save data
2. how R "sees" data
3. some basic summary displays and graphing
4. Basic operations and functions
5. How to perform the following tests
 - tests for normality and homogeneity of variance
 - t tests for one and two groups (independent, paired and one sample), non parametric alternatives; Mann-Whitney and wilcoxon tests
 - ANOVA, non parametric alternative; Kruskal-Wallis test
 - crosstabulations/ chi square test for comparing proportions
 - correlation
 - univariate and multivariate regression and basic diagnostics

This course teaches statistical computing, not statistics. If you have not previously completed an introductory statistics subject you should consider doing the course "How to analyse data" which is held in the mid-year break each year. You should know how to use a PC or a Mac..

To enrol in this course, complete the enrolment form below and email to Lisa Pyle eis-research@uow.edu.au, by Thursday March 11, 2021. Enrolments will be taken strictly in order of receipt. The course will not run if there are insufficient enrolments.

InstructorThis course will be given by Prof Marijka Batterham, National Institute of Applied Statistics Research Australia. Course notes will be provided. **Please bring along a laptop and power cord.** If you have any questions about the course please email: marijka@uow.edu.au.



Registration Form

Introduction to R and RStudio – March 17, 2021

Forward to: Lisa Pyle, email: eis-research@uow.edu.au by March 11.

Participant Information (ALL sections MUST be completed):

Title:		
Given Name:		
Last Name:		
Telephone:		
Email address:		
Student Number (or Uni ID for staff)		
Course if student: eg Masters, Doctorate, PhD		
Faculty		
School		

Course Cost \$109 (via Uni account) or \$120 ([online](#)) via Onestop.

I authorise the payment of **\$109** from Uni account number

to the Statistical Consulting Service's account E0604.55152.

Authorising Signature: _____

Name of signatory (printed): _____

Unit: _____