



UMC Utrecht
Julius Center

Introductory Biostatistics for Researchers 2024

10-day Introductory Course in Biostatistics



Introduction

This course provides an introduction in statistical methodology and discusses a number of statistical techniques for practical data analysis. Statistical fundamentals are reviewed and expanded upon with multi variable regression analysis of Variance (ANOVA). Concrete examples and case studies are used to apply the theory to practical situations.

For this course you need to bring your own private or work laptop with statistical software package SPSS or R-studio already installed on your computer.

The maximum number of participants is 20, the minimum 12.

Location: Huisartsenopleiding, Broederplein, Zeist

Programme

In general, the daily schedule of our course includes morning lectures from 09.30 to 12.30 h, followed by computer sessions in the afternoon from 13.30 to 17.00 h. Examples from medical and biological research will be used in the exercises. Datasets will be analyzed on computers using the statistical software packages R and SPSS.

Language

All courses will be taught in English.

Prerequisite knowledge

Although active statistical knowledge is not a prerequisite, we assume some basic knowledge on statistics and mathematics acquired through, for example, courses in biostatistics in the bachelor programme or self study. The basic knowledge we assume are:

- the concepts of population and sample
- histogram, boxplot, frequency table, scatterplot
- mean, median
- variance, standard deviation, range, interquartile range, standard error of the mean
- probability, probability distributions (especially the normal distribution)

Number of Credits

4,0 EC

Certificate

After active participation during the whole course participants will receive a certificate.

Course fee

The fee for the “Introductory Biostatistics for Researchers” course depends on your affiliation.

- Internal GSLS: free

for internal PhD candidates (UMCU/UU Beta Sciences/UU Veterinary Sciences), registered with UU GSLS and MyPhD

Please note:

if you cancel your application within 4 weeks before the start of the course or do not meet the attendance requirements you or your dept./research group, will be charged with a no show fee: € 700 for this course

- Internal PhD candidates (not registered with GSLS): € 1.750,-

- External for academic, AIO/OIO's, researchers) : € 1.750,-

- External Non-profit organizations: € 1.900,-

- External Profit organizations: € 2.500,-

Course Dates

Monday February 5

Wednesday February 7

Friday February 9

Monday February 12

Wednesday February 14

Friday February 16

Wednesday February 21

Friday February 23

Monday February 26

Friday March 1

Registration

To register for the course, please fill in the registration form and send it to

secretariaatbiostatistiek@umcutrecht.nl

We will confirm your registration by e-mail as soon as we have received your registration form.

Cancellation other than internal GSLS

If cancelled within four weeks of the start of a course, 50% of the fee will be charged; if cancelled within one week of the start of a course or during a course: 100% will be charged. In all other cases: € 50,- (excl. BTW) administration costs will be charged.

Registration Form Online Course Introductory

Biostatistics for Researchers 2024

Surname:
First name:
Initials:
Gender:
Academic title:

UMCU division/UU faculty:
Cost center (for admin reasons):
Department:
Company/organization:
Name supervisor/promotor:
Address:
E-mail:
Phone:

I am:

- Academic**
 - AIO/OIO of the department of Biology, Pharmaceutical Sciences, Veterinary Sciences or UMCUat Utrecht University
 - PhD-student, registered with UU Graduate School of Life Sciences (GSLs)
Academic - others, namely:
 - AIO/OIO other department Utrecht University
 - Post-doc or researcher at Utrecht University
 - Master student or Excellent trace student at Utrecht University
 - AIO/OIO at other University
 - Post-doc or researcher at other University
 - Master student or Excellent trace student at other University
- from a **Non-profit** organization (e.g. hospitals, TNO, NIHES)
- from a **Profit** organization (e.g. companies)

- I would like to enroll the online course Introductory Biostatistics for Researches, February 5 – March 1, 2024**

- I have read and understood the course information in this brochure**

Signature applicant:

Date:

Signature Supervisor/Promotor:



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<https://juluscentrum.umcutrecht.nl/nl-NL/over-julus-centrum/agenda>