

Confirmation of completed lectures: 5 days R-course

Date: 20-22 and 24 and 27 February

Confirmation that PhD student Ahmed Bargheet has been responsible for planning and teaching a 5-day R-course.

The class took place over the course of five days (4 hours a day from 11:30 to 16:00). Practical tasks were provided to the attendees ($n = 10$) during the course, in addition to some homework assignments.

The homework assignments took roughly 2 hours every day. Additionally, a 2-hour quiz was designed for the participants.

R course description

R is the most extensively used statistical programming language. It is strong, versatile, and simple to use. It is the preferred choice for thousands of data analysts in businesses and academics. This course will help you quickly master the fundamentals of R as a first step toward becoming a skilled R user. While the course is designed for absolute beginners, you do not need to know anything about R before beginning. (You don't even need to have the R program installed on your computer; I'll show you how to do that. But, upon completion of this course, you will have the most important R programming skills - and you will be able to further expand these skills by practicing what you have learned in the course.

What you will learn

- Work with vectors, matrices, and lists.
- Work with factors and manage data frames.
- Do descriptive statistics and import data into R (Read CSV, tsv, txt, and excel files).
- Data manipulation by (dplyr, tidyR, and reshape2 packages).
- How to replace missing values (NA) in R.
- How to export data from R to CSV and Excel files.
- Create various charts in R using ggplot2 package.



Sincerely,

Lise Nordgård

Senior Advisor/Coordinator

lise.nordgard@uit.no

CANS – Centre for New Antibacterial Strategies

Department of Medical Biology

Faculty of Health Sciences

UiT The Arctic University of Norway