Intro to R for Researchers

An introduction to programming for the research community.

Instructors:

Joy Nyaanga, PhD - Senior Bioinformatician, DPLM
Stella Karuri, PhD - Statistician, SMCRI

Objectives:

This course will introduce basic data analysis concepts and methods using the versatile programming language R. This course will be divided into three sections: (1) R basics, (2) R for statistics, and (3) R for Bioinformatics. This course is appropriate for individuals ranging from those interested in an introduction to using R, to those who maybe have experience in R but want a refresher.

Takeaways:

- Understand how to perform basic data science tasks (data import, data export, transformation, and visualization)
- Exposure to R for general statistical analysis
- Exposure to R for simple bioinformatic analysis

Tentative Schedule:

[Course website](#)

Date	Topic	Instructor
Week 1: Class 1	Getting started: The basics of R Programming	Both
Week 1: Class 2	Case Study: R for Statistics	Stella
Week 1: Class 3	Case Study: R for Bioinformatics	Joy

💡 *Each class will be divided into 2 sessions. **Session 1** will consist of primarily lecture-based instruction, followed by a short break. **Session 2** will consist of interactive example problems.*

Note: This series will be hosted exclusively as an in-person course in a Lurie computer lab. Session 1 of each day will be recorded and available for anyone to view after the course.