R PROGRAMMING SYLLABUS

OMICSS 2021

Module description:

The OMICSS R Programming module covers the fundamental concepts of R Programming required to conduct research in the field of Bioinformatics. Paired with the other modules in the OMICSS course, students will have a solid foundation not only in the field of R Programming, but Bioinformatics as a whole.

Module duration:

4 weeks, average 2 hours per week

Module Outline.		
Week 1	Topics Covered	 Getting Started The Basics Data Types
	Learning Activities	Online lecture videosswirl Lesson Exercises
	Estimated duration	1.5 hours
Week 2	Topics Covered	 Data Types (continuation) Reading Data Subsetting Control Structures Functions Scoping Rules
	Learning Activities	Online lecture videosswirl Lesson Exercises
	Estimated duration	4 hours
Week 3	Topics Covered	 Loop Functions Base Graphics Statistics and R
	Learning Activities	Online lecture videosswirl Lesson Exercises
	Estimated duration	2.5 hours

Module Outline:

Week 4	Topics Covered	 Practice 2 Practice 3
	Learning Activities	Online Practice sheets
	Estimated duration	40 minutes