***Module overview***

In this module, we’re just going to start with the basics. Specifically, we’re going to introduce some of the resources we will use in this course, talk about what R and RStudio are, and you will write your very first R program.

***Module topics***

* Installing R and RStudio
* What is R?
* Navigating the RStudio interface
* The basics of the R programming language
* Installing and loading packages
* Writing your first R program
* Getting help from the broader R programming community
* Tools for writing, saving, modifying, and sharing R code.
  + Using R markdown files
* Best practices for writing R code
  + Style guidelines
  + Using pipes

***Required Readings***

Please complete the following readings **by the end of the week (Sunday)**

1. Cannell B. *R for Epidemiology*. 2020.<https://www.r4epi.com/>.
   1. Welcome
   2. Introduction
   3. Contributing to R4Epi
   4. Chapter 1: Installing R and RStudio
   5. Chapter 2: What is R
   6. Chapter 3: Navigating the RStudio Interface
   7. Chapter 4: Speaking R’s language
   8. Chapter 5: Let’s get programming
   9. Chapter 6: Asking questions
   10. Chapter 8: R markdown
   11. Chapter 10: Coding best practices
   12. Chapter 11: Using pipes

***Assignments***

Please complete the following assignments on Canvas.

1. Check on learning quiz
2. Lab
3. Module quiz. There is no module quiz for this module. The first module quiz will be next week.