R Workshop for South Carolina Department of Natural Resources

12/12/2022 – 12/13/2022

Freshwater Ecology Center  
Francis Marion University

**12/12/2022 (Freshwater Ecology Center)**

9:00: RStudio interface and basic R  
9:30: R data types and creating new variables  
*10:30: Break*  
10:45: Functions and R packages  
11:30: Exercise 1

*12:00 Lunch at the FEC*

1:00: Data exploration in R  
*2:30: Break*  
2:45: Summarizing data  
3:00: Graphing  
3:30: Exercise 2

**12/13/2022 (The Cottage)**

8:00: Continental Breakfast at the Cottage  
9:00: Age-length keys  
9:45: Size Structure  
*10:30: Break*  
10:45: Weight-Length relationship  
11:30: Exercise 3

*12:00: Lunch on your own*

1:30: Condition factors  
2:00: Mortality   
2:30: Individual growth  
*3:00: Break*  
3:15: Stock-Recruitment  
3:45: Population estimates  
4:00: Exercise 4