

An Introduction to R: Getting Comfortable with the Basics

A continuing education course sponsored by the Michigan Chapter of the American Fisheries Society



January 20th and 21st, 2018
West Bay Beach Holiday Inn Resort
Traverse City, Michigan



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Instructed by Richard Erickson from the USGS and Dr. Eric Eager from University of Wisconsin - La Crosse

Course Description

We provide an introduction to R, a language for scientific programming. Specifically, we cover the basics of graphics, data manipulation, modeling, and statistics. We assume no prior knowledge of R and teach the course using a hands-on approach. Specifically, after covering topics we give students the opportunity to work through guided case studies using provided data or their own. Participants are encouraged to bring their own laptop with R installed on it. If participants wish, they are also encouraged to bring their own data. As time permits, we will assist them in reading their data into R.

Where - West Bay Beach Holiday Inn Resort. 615 E. Front St. Traverse City, MI 49686.

When - Saturday, January 20th from 10 am to 5 pm, and Sunday, January 21st from 8 am to 3 pm.

Cost - \$30 for students (**up to eight students will receive free registration, see workshop award form below**), \$140 for MIAFS members, and \$170 for non-MIAFS members.

Meals – All meals will be on your own.

What to Bring: Participants are encouraged to bring their own data and laptop with R installed.

Lodging arrangements are not included with course registration. Hotel reservations can be made at the West Bay Beach Holiday Inn Resort ([West Bay Beach HIR](#)) by calling 800-888-8020. A block of 20 rooms has been reserved. Please ask for the Michigan Chapter of the American Fisheries Society block of rooms to get the group rate of \$75 per night.

To register for this workshop or if you have any questions please contact Dan Traynor at traynord@michigan.gov. Please include your name, affiliation/organization, and MIAFS membership status (member/non-member/student). After registering you will receive an invoice with instructions for paying via check or PayPal. **Class size is limited to 30 participants. Please register by January 1st.**

Michigan AFS Introduction to R Workshop Award

Description: Reimbursement for workshop registration fee. Registration fee must be paid in advance and will be reimbursed upon successful completion of the workshop.

Purpose: To financially assist students who are interested in attending the MIAFS Introduction to R Workshop.

Eligibility criteria: The recipient of this award must be someone who is currently enrolled in a degree program at a Michigan college or university.

Documentation required: An application letter from the student nominee that includes: student's name, address, telephone number, educational institution, department, degree level, reasons for attending the workshop, and reasons why financial assistance is needed.

Selection criteria: The committee will evaluate the applicants based on the following criteria: 1). AFS involvement. 2). Reasons for attending the workshop. 3). Financial need.

Frequency of Award: Eight workshop seats will be held for successful applicants until the application deadline.

Deadline: Applications must be received by the Continuing Education Committee (Dan Traynor, traynord@michigan.gov) by December 15th, 2017.

Applications will be forwarded to the Student Concerns Committee for review. Selections will be forwarded to the Chapter president, Continuing Education Committee, and the secretary-treasurer for notification. The secretary-treasurer will provide award directly to the selected recipients after successful completion of the workshop.

