



U.S. Fish & Wildlife Service

# National Conservation Training Center

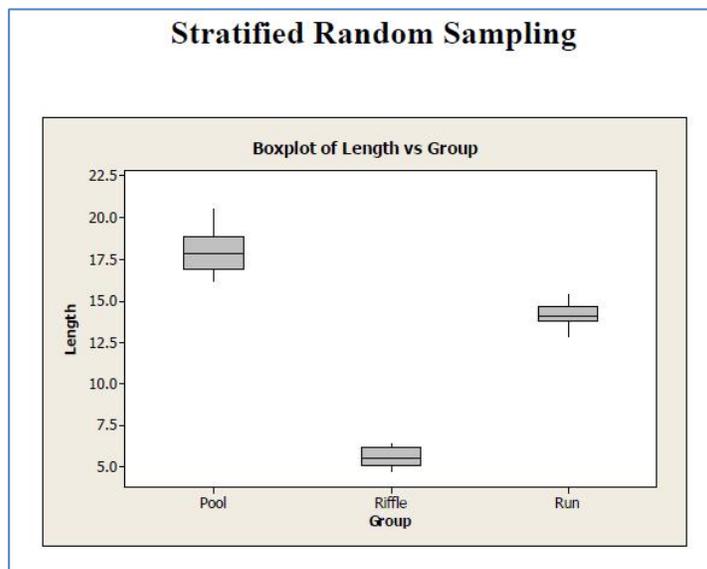
## Training Announcement

### Making Sense of Biological Data using R

CSP4200

#### Course Description

This is the first course in a series that builds skills in monitoring and trend analysis, species distribution modeling, resource selection, sampling design and the analyses of field and lab data. Students will also learn how to write R syntax to analyze data and graphically display the results through hands-on computer exercises. The course will provide students the necessary background to be successful in the Statistical Modeling for Conservation course (CSP4210).



#### Objectives

Upon completion of this course, you will be able to:

- ✓ Start using the R language to manage, explore, analyze and graphically display your field data
- ✓ Explore probability distributions and their underlying implications for analysis of ecological data
- ✓ Use bootstrapping to resample datasets and create confidence intervals
- ✓ Explore how sampling design and sampling effort directly affects our ability to make inferences

#### Dates & Location

July 24-28, 2017 – NCTC

Oct 2-6, 2017 – NCTC

March 26-30, 2018 - NCTC

#### Prerequisites

None

#### Who Should Attend

Anyone interested in utilizing statistical tools in research, management and decision-making.

#### Course Length

4.5 days

#### Tuition

Free for FWS, BLM and NPS employees, all others the cost will be \$1,195.00.

#### To Register

Log in and search the DOI Learn catalog for **CSP4200**

#### Course Contact

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“This was the best interpretation of commonly used statistics and how they translate with biological data that I ever had!”