

## WORKSHOPS



### R Workshop for Wildlife Biologists

Presented by the Colorado Cooperative Fish and Wildlife Unit

**Monday August 8<sup>th</sup> 2016 Full-day workshop, lunch provided**

**Limited to 20 participants**

**Cost: \$50 professionals, \$25 students**

The R computing environment is a free, flexible, and open source tool for data management, visualization, and analysis. This course will offer a basic introduction to the R programming language. We will cover a broad spectrum of topics including: how to import and export data, data types and object classes, simple R functions for querying, summarizing, plotting, and analyzing data, exploring spatial data, basic programming (for loops, writing R functions), and how to find R help, including using the R help files and outside resources. No prior experience with R is necessary. The workshop will be split between demonstration and hands-on, guided exercises. Participants should bring their own laptop and **have a recent [version of R and RStudio](#) installed** prior to the workshop. Additional logistical details will be emailed to participants in advance of the meeting.



Conserving wildlife and their habitats through noninvasive surveys

### Introduction to Conservation Detection Dogs: Techniques, Applications, and Modeling

Greg Davidson, [Find it Detection Dogs](#)

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This one day course is designed for wildlife professionals who want to learn more about using conservation detection dogs (CDD) in wildlife studies. The course will start with an introduction to CDD including applications, pros and cons, and basic dog training techniques. We will then discuss previous case studies with an overview on models used to analyze the data collected for species density estimates (Traditional mark-recapture, Spatially Explicit Capture Recapture, CAPWIRE). The afternoon will be spent with dog demonstrations in the field.

Note: This is an introductory course to introduce methods and applications, and is not intended to teach how to train or handle a conservation detection dog.