

Statistical Applications in Wildlife Biology Spring Semester 2021

Instructor: Dr. Paul M. Lukacs
WILD 542
Credit/No Credit

Class meeting time: Tuesday 2-4pm - Zoom – <https://umontana.zoom.us/my/paul.lukacs>
Office Hours (FOR 307): By appointment (paul.lukacs@umontana.edu)

Statistical applications in Wildlife Biology will explore statistical problems encountered by wildlife biology and ecology graduate students. Students will bring statistical problems of interest to class where we will explore potential analysis options, assumptions, pitfalls and alternatives to solve the problem as a group. Goals of the course include effective solutions to student problems, building knowledge of statistical software such as R, improving understanding of likelihood and Bayesian estimation methods, and improving communication skills for quantitative methods.

Each student is expected to lead a discussion on a statistical problem of his or her choice. The student will present the problem as well as the biological question driving the statistical problem. The student should also provide the class with relevant reading(s) prior to the discussion. The class will then discuss the problem and work towards a solution. Students are also expected to attend class and participate in discussions.

Schedule

January 12 – Introduction
January 19 – IPMs (Lukacs)
January 26 – Troy Smith
February 2 – Andrew Lahr
February 9 – Holly Jackson
February 16 – Scott Waller
February 23 – Ryan Mahar
March 2 – Kaity Reintsma
March 9 – Jenny Helm
March 16 – No classes
March 23 – Ross Hinderer
March 30 – Mike Forzley
April 6 – Michelle Kissling
April 13 –
April 20 –
April 27 –