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WILD 542.R01: Statistical Applications in Wildlife Biology

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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 –