Biological Applications of Mathematics and Statistics

From Conservation to Epidemiology

Increasing science and mathematics literacy through biological applications.

Lessons Offered:

Managing **Fisheries** with **Mathematics**

Epidemiological Investigation and **Data** Analysis

Connections to Ontario Curriculum*:

Connections of lessons with Ontario science (SCI) and Mathematics (MATH) curriculums.

Fisheries:

- SCI: Scientific Investigation and Career Exploration
- SCI: Population Dynamics
- MATH: Mathematical Models
- MATH: Quadratic and Logarithmic Functions

Epidemiology:

- SCI: Scientific Investigation and Career Exploration
- MATH: Data Management, Organization, and Analysis
- MATH : Reasoning with Data

Bio/Contact:

I am a Ecology and Evolution Postdoctoral Fellow at the University of Toronto, I use mathematical models to understand and manage disease spread and evolution.

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* I strive to provide a positive and inclusive educational environment allowing *all* students to engage productively with the material.