

# Camera Trap MS Intro Notes

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## Introduction Outline

- Describe the breeding data logged with camera traps
  - adult attendance
  - number of eggs
  - number of nestlings
  - lay date
  - hatch date
  - band ID
- explain the advantages of using cameras
  - near real time
  - continuous, passive monitoring
- talk about the disadvantages
  - cumbersome to go through thousands of images
- introduce the concept of machine learning
  - offer a mini review of other studies that have used it in the context of ecology

## **Breeding data and its importance for population dynamics**

Determining and quantifying factors that drive population dynamics is a central goal of ecology. For birds, events occurring on the breeding grounds can strongly influence population dynamics.

## **Advantages of using cameras**

## **Disadvantages of using cameras**

## **Review of machine learning**