

Untitled

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Types of Models

- Occupancy
- Colonization extinction (open)
- Point Count N-Mixture Model
- Generalized N-mixture Model (open)

Approaches to accounting for detection when interested in abundance or occupancy in unmarked populations

- Multiple visits during close population time
- Temporary removal/depletion
- Double observer
- Distance sampling

Read ... papers. For each describe the objectives of the study

- Number of study units (independent replicates)
- Any random effects and how many levels if any and what varies by the random effects
- How they accounting for imperfect detection
- What affected abundance/occupancy
- What affected detection
- How would you redesign the study to answer the same questions (same objectives)

You are interested in ... Design and experiment to examine ...