

# Today

- Continued:
- Poisson data generating processes
- Study design: part of the DGP
- Scope of inference

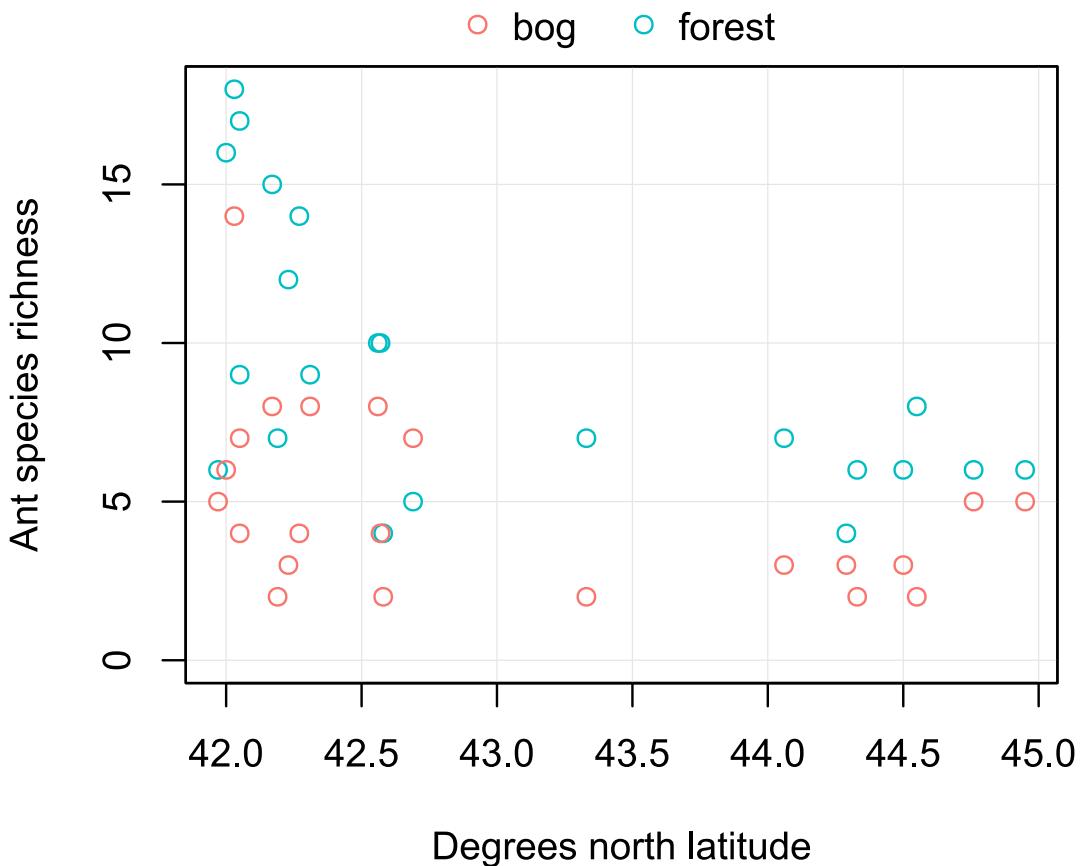
# Poisson scenario

- Ant species richness
- Declines with latitude
- Possible DGPs?
- Possible study designs?

# Scope of inference

- The statistical **population** an inference should **generalize** to
- Aspirational SOI
  - Aim: what population do you want?
  - Claimed: what population claimed?
- Effective SOI
  - Depends on **study design**
  - What population units are represented?
  - Bias, confounding, randomization, space-time structure

# Data from an ant study



“We sampled 22 high-grade, undisturbed bogs and their surrounding forests in Vermont, Massachusetts, and Connecticut”

Make a statement about scope.  
Justify your statement.