



LOUISIANA STATE UNIVERSITY

What is ecology?

LSU – Biol 4253

Ecology

Species interactions!

With other species:

- Competition
- Predator – prey
- Plant – pollinator
- Host – parasite

Species interactions!

With the environment:

- Abiotic variables
- Dispersal limitation
- Ecosystem respiration
- Ecosystem engineering

What is not ecology?

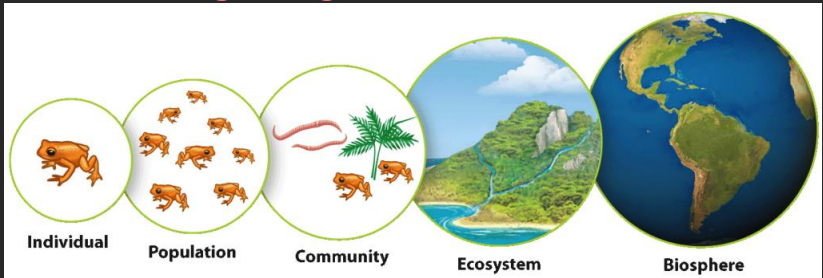
Environmentalism

Biomedicine

Natural history

Evolution

Levels of biological organization



Individual

Population

Community

Ecosystem

Biosphere

Contact info

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An introduction to R

The role of computing to ecology

The role of R in this class

Why R?

Data structures

Data structures