

Do Now

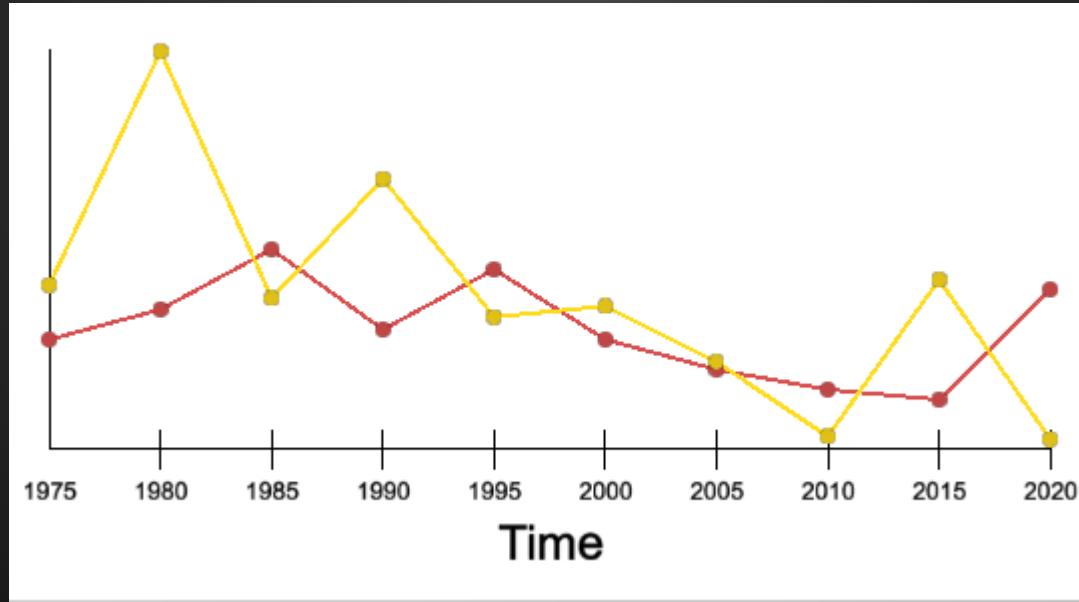
In an ecoSystem there are often connections between populations of different organisms. What are some of the reasons for those connections?

Take out these documents from previous classes:

- Team Brainstorming Guide Sheet
- Scientist Role Guide Sheets & Learning Quests
- Scientist Roles Perspectives Sheet

Interpreting Graphs

Why there might be a connection between two different organism populations?

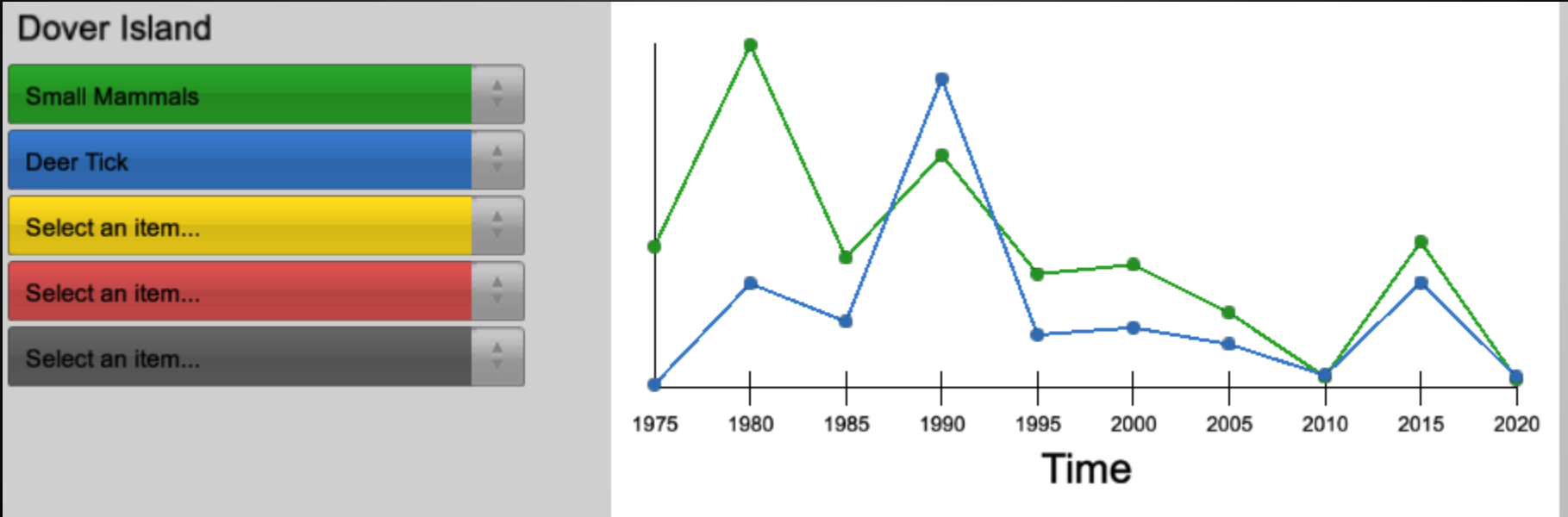


Which is the dependent variable?

Which is the independent variable?

Direction Relationships

What have you learned about the relationship between small mammals and ticks?



Which organisms will
respond slower to changes
over time?

Time Lags

Can you think of any organisms that would be slower to respond to changes in biotic or abiotic conditions?

Willis Island

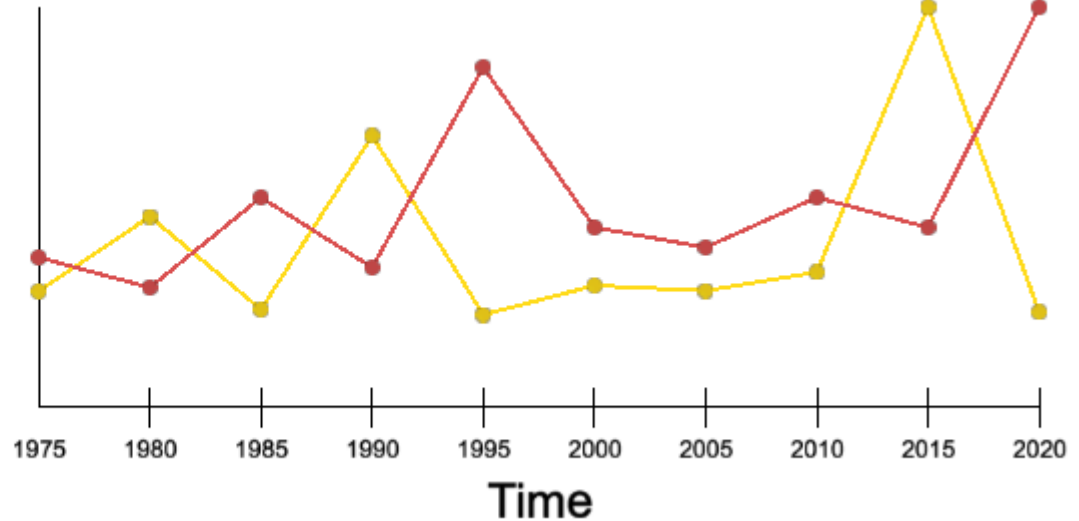
Select an item...

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Small Mammals

Red-tailed Hawk

Select an item...



Different organisms
reSpond to their
environments at
different speeds.

Dynamic Stability, Flux, Balance

What might the population graphs look like for these species if we could see the data for every year?

Willis Island

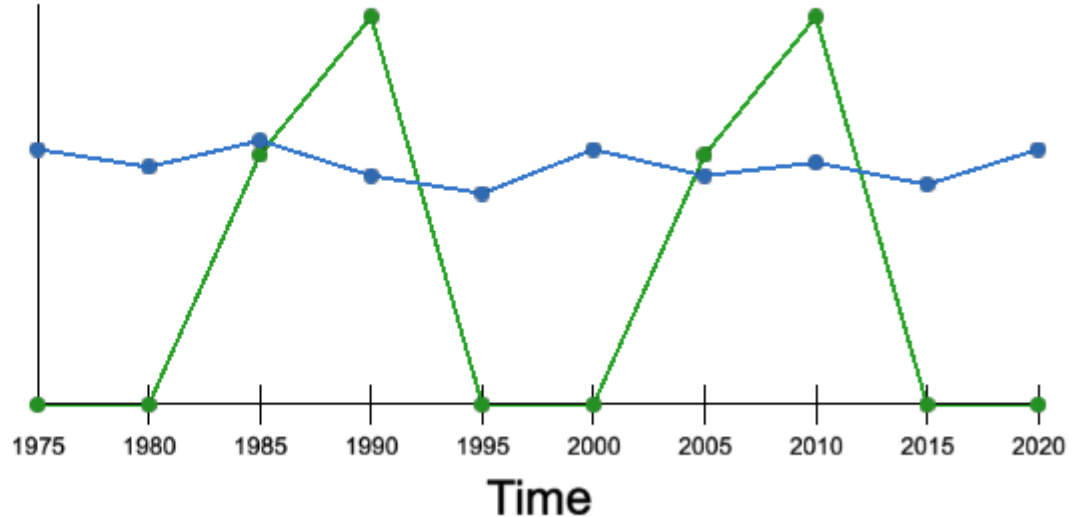
Trillium

Beech Saplings

Select an item...

Select an item...

Select an item...



To fully understand the fluctuations over time, you need to consider characteristics of the species along with their interactions within the Ecosystem web. The answer to this problem may not be so SIMPLE.

Goals for Today

Complete your Team Evidence Worksheet

1. Get into your teams
2. Share what you have discovered in each of your roles - use your Scientist Guide Sheet.
3. On one computer, use the graphs in Ecomuve to look for trends over time.
4. Decide as a group what other evidence needs to be collected in order to explore your original team hypotheses.