

Intro

Are lynx responsible for "hare cycles" in boreal forests?

Interesting phen.
 Lynx & hare #'s cycle
 studied for >100 years
 Hudson's Bay's Trading Co.
 Furs
 possible causes
 food supply for hare
 (bottom up)
 Sun spots
 Predation by lynx
 (top down)

Describe cycles
 period ~10 years
 Synchronous? No!
 Delayed!

in space
yes

in time!

~~How to make a Bagel~~

~~Does climate change affect the cycles?~~

II

Describe animals
 genus, species
 distribution
 food
 hare - what plants
 lynx - ??
 hare
 mice
 others?

~~Do lynx make good pets?~~

Hypothesis: cycles result from migration.

IV

Hypothesis: cycles result from changes in food supply for hare
 what affects food supply?
 hare #'s?
 climate?
 Hare #'s affect lynx #'s

V

Hypothesis: cycles result from predation by lynx
 Enclosure experiment in Canada
 Describe "cages"
 Result

VI

VII

Conclusion
 a) lynx do regulate hare #'s
 b) other examples of predator-prey cycles
 c) power of manipulative experiments with controls vs. correlation