

REU opportunities at the University of Akron

Plant Reading group

- Friday, 3PM, asec 186

Assignment correction

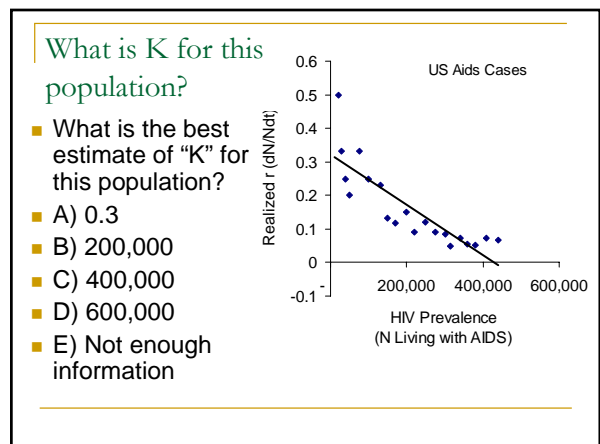
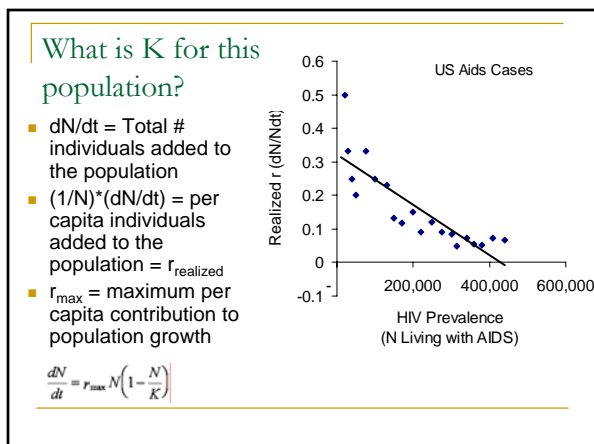
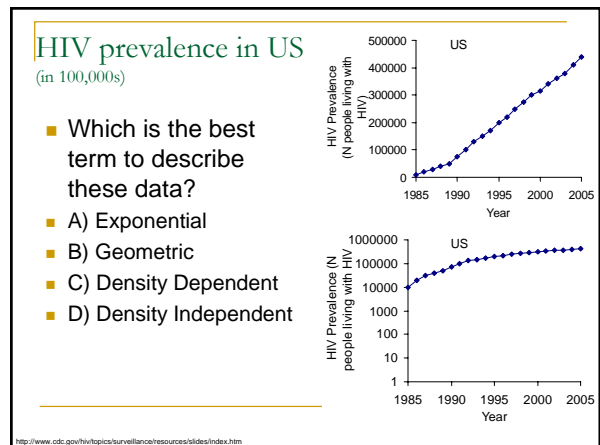
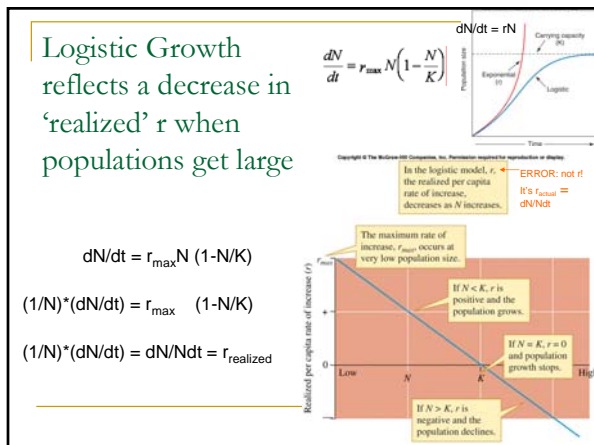
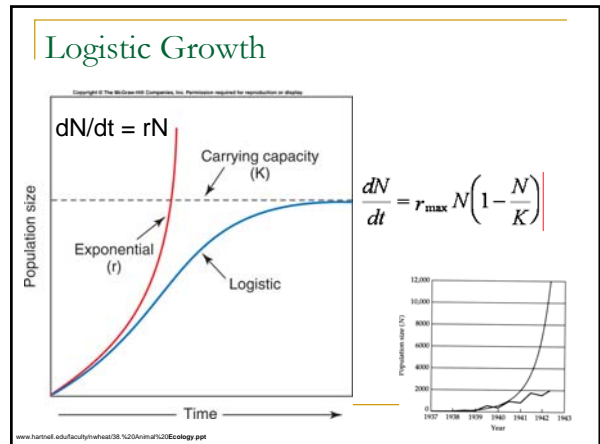
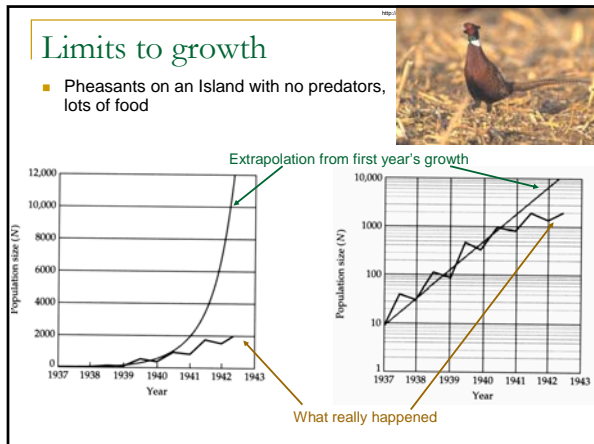
Muddy point on COMPETITION due next Wednesday

Career assignments

- I will post yours on springboard if you send it to me.
 - Please remove your name
 - Please have one file for each career
 - Please name the file with the name of the career
- Anyone in our class will be able to look at and learn from these
- They will not be available to those not in our class

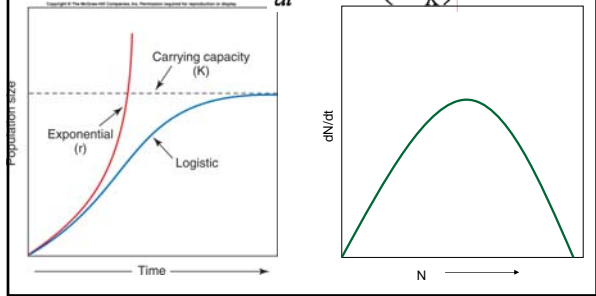
Logistic Model, K

- General
 - Symbol meaning and logic
 - How to use the equation, how does it generate the graph
- What triggers renewed growth once the population is below K?
- Can births really occur in a bad environment?
- Keeping fish stocks at $\frac{1}{2} K$ pg 258
- Does K fluctuate over time?
- Density Dependence
 - How can independent factors can have density
 - General (biotic, abiotic, density dependent vs. density independent) independent effects?
 - Role of acclimation and migration



Why does $K/2$ give the highest population growth rate?

$$\frac{dN}{dt} = r_{\max} N \left(1 - \frac{N}{K}\right)$$



Grizzlies in Yellowstone

