Intertidal lecture:

I. colonization history and degree of growth limitations

2 histograms-asco lengths for both sides

2 regressions-length vs # stems for both sides

Q. what can you tell from the number of stems? Age structure

Q. what can you tell by length? How might environmental conditions effect the relationship between # stems and Length?

II. Comparisons of abundance-look for differnces between plots

look at density -raw #'s

look at dominace-% covers

Q. are some species more abundant on one side? Where would you expect more variance-why?

Skip III

IV. Interspecific competition-only for your plot

3 scatterplots-look for relationship between abundances

if decreasing line (and is supported by R^2) then competition-one increases as the other decreases

Q. what is your graph showing? Put into words.

V. dispersion of Littorina

is it random? Clumped? Or regular?

Look at variance/mean ratio if =1 then clumped

<1 then regular

>1 then clumped

What is the probability of random dispersion (p value)?

Calculate t value n=sample size=# plots

find t on chart in back of lab manual

if p<.05 then the population is not randomly distributed and if clumped or regular depending on you variance/mean ratio