Biostatistics Week 3 Agenda:

Readings:

- Zar Chapter 6 The Normal Distribution
- Zar Chapter 7 One-Sample Hypotheses
- Biostatistics 100 Repeated Sampling
- Biostatistics 110 Formal Logic of Statistical Tests
- Biostatistics 120 One Sample t-Test
- Biostatistics 130 Power & Sample Size
- Biostatistics 140 One-Sample Test of Variance
- Biostatistics 150 Paired t-Test

To do:

■ Begin Portfolio:

To know:

Population vs Sample parameters

Point estimates

Sample error of parameters such as the mean

Test statistic

Confidence intervals for the mean

Sampling distributions

Null vs Alternative hypotheses

One-sided vs Two-sided tests

Critical value vs Probability of a test

Decision rule

One-sample t-test

Power and sample size estimations

One-sample $\chi 2$ test of variance

Paired-sample design

Paired t-test